Just Released New Books March 2013
All Titles, All Languages

Sorted by author and title within the main subject
Aromatic C-nitroso Compounds

This book is designed to collect and review the research covering main directions in investigations of aromatic nitroso compounds in last decades, and to present both, the academic aspects of this chemistry, as well as the open field of its applicability. The book is divided in five chapters. The basic structural properties of the nitroso aromatic molecules are described in the first chapter. The second chapter is an overview of the methods of preparations of aromatic nitroso and polynitroso compounds, including classical synthetic methods and some new preparative approaches. The third part deals with the physico-chemical properties of nitroso aromates and azoderivatives, its structure. [...]
Array Comparative Genomic Hybridization

Protocols and Applications

The earliest descriptions of human chromosomes initiated the genomics revolution that is now upon us. Array Comparative Genomic Hybridization: Protocols and Applications explores the scope of what is now possible as far as documenting abnormalities associated with several human cancers. While the technology for interrogating the human genome continues to evolve, refinement of comparative genomic hybridization (CGH) using array CGH and related technologies have provided enormous insight into human cancers at an affordable scale. Written in the successful Methods in Molecular Biology™ series format, chapters include introductions to their respective topics, lists of the necessary[...]

Features

The earliest descriptions of human chromosomes initiated the genomics revolution that is now upon us. Array Comparative Genomic Hybridization: Protocols and Applications explores the scope of what is now possible as far as documenting abnormalities associated with several human cancers. While the technology for interrogating the human genome continues to evolve, refinement of comparative[...]

Contents


Fields of interest

Humangenetik; Labormedizin

Target groups

Professional/practitioner

Type of publication

Contributed volume


Hardcover


Biophysics for Therapeutic Protein Development

This book can be used to provide insight into this application of biophysics for those who are planning a career in protein therapeutic development, and for those outside this area who are interested in understanding it better. The initial chapters describe the underlying theory, and strengths and weaknesses of the different techniques commonly used during therapeutic development. The majority of the chapters discuss the applications of these techniques, including case studies, across the product lifecycle from early discovery, where the focus is on identifying targets, and screening for potential drug product candidates, through expression and purification, large scale[...]

Features

The last few decades have seen the genesis of protein therapeutics, such that these large molecule based drugs comprise an increasingly larger part of the commercial market. The conformation (overall global fold or three-dimensional structure) of these molecules is important for maintaining biological activity, stability during long term storage, and can impact the safety profile and biological consequences[...]

Contents


Fields of interest

Pharmakologie / Toxikologie; Medizinische Biochemie; Proteinforschung; Protein-Ligand-Interaktionen; Biophysik und physiologische Physik

Target groups

Research

Type of publication

Contributed volume


Hardcover


Cancer Genomics

Molecular Classification, Prognosis and Response Prediction

The combination of molecular biology, engineering and bioinformatics has revolutionized our understanding of cancer revealing a tight correlation of the molecular characteristics of the primary tumor in terms of gene expression, structural alterations of the genome, epigenetics and mutations with its propensity to metastasize and to respond to therapy. It is not just one or a few genes, it is the complex alteration of the genome that determines cancer development and progression. Future management of cancer patients will therefore rely on thorough molecular analyses of single single case. Through this book, students, researchers and oncologists will obtain a comprehensive picture of[...]

Features

The combination of molecular biology, engineering and bioinformatics has revolutionized our understanding of cancer revealing a tight correlation of the molecular characteristics of the primary tumor in terms of gene expression, structural alterations of the genome, epigenetics and mutations with its propensity to metastasize and to respond to therapy. It is not just one or a few genes, it is the complex[...]

Contents


Fields of interest

Krebshochschule; Genexpression; Microarrays; Molekulare Medizin; Biomedizin (allgemein)

Target groups

Research

Type of publication

Contributed volume

More on www.springer.com/978-94-007-5841-4

Hardcover

Chemical Neurobiology

Contents
Drug Discovery and Evaluation: Safety and Pharmacokinetic Assays

Safety aspects have become an outstanding issue in the process of drug discovery and development. Until 15 years ago safety aspects were addressed by pharmacological testing of the selected compound in high doses in tests directed at indications other than the intended indication of the new compound. These tests were followed by pharmacokinetic studies, which were mainly aimed at confirming of a suitable half-life time and at oral activity. Safety aspects relied mostly on toxicity studies, which however gave information on changes of organ structure rather than on organ function. Toxicological and pharmacokinetic studies were adapted to the progress of studies in clinical pharmacology.

Features
Safety aspects have become an outstanding issue in the process of drug discovery and development and there is furthermore a clear tendency of a continuously increasing importance of safety. Until 15 years ago, drug discovery and evaluation was a sequential process starting with the selection of the most active compound from a series of newly synthesized compounds by means of special pharmacological assays.

Contents
From the contents: General Introduction: Safety Pharmacology - Safety Pharmacokinetics - Safety Toxicology.

Fields of interest
Pharmakologie / Toxikologie

Target groups
Research

Type of publication
Handbook

More on www.springer.com/978-3-642-25239-6

Hardcover
667,68 €
ISBN 978-3-642-25241-9
Versandfertig innerhalb von 3 Tagen.

Gene Regulation
Methods and Protocols

Features
In this volume of Methods in Molecular Biology”, expert investigators offer comprehensive, complementary, and cutting-edge technologies for studies of gene regulation. The chapters of Gene Regulation: Methods and Protocols are organized to provide an integrated and a coherent view of control systems and their associated components. The protocols are broad in their scope. They include […]

Contents
Gene Regulation.
- Isolation of Nuclei for use in Genome-wide DNase Hypersensitivity Assays to Probe Chromatin Structure.
- DNase I Digestion of Isolated Nuclei for Genome-Wide Mapping of DNase Hypersensitivity Sites in Chromatin.
- Isolation and Analysis of DNA Derived from Nucleosome-Free Regions.
- Acquisition of High Quality DNA for Massive Parallel Sequencing by in vivo Chromatin Immunoprecipitation.
- Luciferase Assay to Study the Activity of a Cloned Promoter DNA Fragment.
- Promoter Deletion Analysis using a Dual-luciferase Reporter System.
- Application of mRNA Display for in vitro […]

Fields of interest
Humangenetik; Genexpression

Target groups
Professional/practitioner

Type of publication
Contributed volume

More on www.springer.com/978-1-62703-283-4

Hardcover
2013. XV, 401 p. 80 illus., 19 in color. (Methods in Molecular Biology, Band 977)
117,65 €
ISBN 978-1-62703-283-4
Gewöhnlich versandfertig in 3-5 Werktagen.

Glycosylation Engineering of Biopharmaceuticals

Methods and Protocols

Glyco-engineering is being developed as a method to control the composition of carbohydrates and to enhance the pharmacological properties of monoclonal antibodies (mAbs) and other proteins. In Glycosylation Engineering of Biopharmaceuticals: Methods and Protocols, experts in the field provide readers with production and characterization protocols of glycoproteins and glyco-engineered biopharmaceuticals with a focus on mAbs. The volume is divided in four complementary parts dealing with glyco-engineering of therapeutic proteins, glycoanalytics, glycoprotein complex characterization, and PK/PD assays for therapeutic antibodies. Written in the highly successful Methods in Molecular Biology series, this handbook is divided in four complementary parts dealing with glyco-engineering of therapeutic proteins, glycoanalytics, glycoprotein complex characterization, and PK/PD assays for therapeutic antibodies.

Features
Glyco-engineering is being developed as a method to control the composition of carbohydrates and to enhance the pharmacological properties of monoclonal antibodies (mAbs) and other proteins. In Glycosylation Engineering of Biopharmaceuticals: Methods and Protocols, experts in the field provide readers with production and characterization protocols of glycoproteins and glyco-engineered […]

Contents
Engineering of Therapeutic and Diagnostic O-Glycans on Recombinant Mucin-Type Immunoglobulin Fusion Proteins Expressed in CHO Cells.
- Engineering a Human-Like Glycosylation to Produce Therapeutic Glycoproteins Based on 6-Linked Sialylation in CHO Cells.
- Glycoengineered PicMia-Based Expression of Monoclonal Antibodies.
- N-Glycosylation Humanization for Production of Therapeutic Recombinant Glycoproteins in Saccharomyces cerevisiae.
- Engineering the Baculovirus Genome to Produce Galactosylated Antibodies in Lepidopteran Cells.
- Glycoengineering a Human-Like Glycosylation to Produce Fusion Proteins with Enhanced Pharmacological Properties.
- Engineering of Therapeutic and Diagnostic O-Glycans.

Fields of interest
Pharmakologie / Toxikologie; Biochemische Technik

Target groups
Professional/practitioner

Type of publication
Contributed volume

More on www.springer.com/978-1-62703-326-8

Hardcover
2013. XV, 355 p. 111 illus., 45 in color. (Methods in Molecular Biology, Band 988)
117,65 €
ISBN 978-1-62703-326-8
Gewöhnlich versandfertig in 3-5 Werktagen.
Hepatitis C Virus: From Molecular Virology to Antiviral Therapy

Hepatitis C virus (HCV), a major causative agent of chronic liver disease, is spread throughout the world and around 170 million people are persistently infected. In this volume, world-leading experts in the field of HCV research have compiled the most recent scientific advances to provide a comprehensive and very timely overview of the various facets of HCV. The book starts with a discussion of the origin of HCV and its spread among the human population. The focus of the subsequent chapters is on available cell culture and in vivo models before shifting to the molecular and cellular principles underlying the viral replication cycle. These chapters are complemented by [...] Features

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Fields of interest

Virologie; Immunologie; Arzneimittelresistenz; Hepatologie

Target groups

Research

Type of publication

Contributed volume

More on www.springer.com/978-3-642-27339-1

Hardcover

2013. VIII, 346 p. 34 illus., 20 in color. (Current Topics in Microbiology and Immunology, Band 369)

149,79 €

ISBN 978-3-642-27339-1

Gewöhnlich versandfertig in 3-5 Werktagen.

Host-Pathogen Interactions in Streptococcal Diseases

Streptococci are Gram-positive bacteria that cause a wide spectrum of diseases, such as pharyngitis, necrotizing fasciitis and streptococcal toxic shock syndrome, as well as rheumatic fever and rheumatic heart disease as sequela. Antibiotics alone have not been able to control the disease and in spite of many efforts an effective vaccine is not yet available. A prerequisite for novel and successful strategies for combating these bacteria is a complete understanding of the highly complex pathogenic mechanisms involved, which are analyzed in this volume. In ten chapters, prominent authors cover various aspects including streptococcal diseases and global burden, epidemiology, adaptation, [...] Features

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Medizinische Mikrobiologie; Immunologie; Impfstoffe; Molekulare Medizin; Gesundheitswesen; Bakteriologie

Target groups

Research

Type of publication

Contributed volume

More on www.springer.com/978-3-642-36339-9

Hardcover

2013. VIII, 255 p. 17 illus., 11 in color. (Current Topics in Microbiology and Immunology, Band 368)

149,79 €

ISBN 978-3-642-36339-9

Gewöhnlich versandfertig in 3-5 Werktagen.

MHC Class I Antigens In Malignant Cells

Immune Escape And Response To Immunotherapy

Abnormal expression of MHC class I molecules in malignant cells is a frequent occurrence that ranges from total loss of all class I antigens to partial loss of MHC specific haplotypes or alleles. Different mechanisms are described to be responsible for these alterations, requiring different therapeutic approaches. A complete characterization of these molecular defects is important for improvement of the strategies for the selection and follow-up of patients undergoing T-cell based cancer immunotherapy. Precise identification of the mechanism leading to MHC class I defects will help to develop new personalized patient-tailored treatment protocols. There is significant new research on [...] Features

Abnormal expression of MHC class I molecules in malignant cells is a frequent occurrence that ranges from total loss of all class I antigens to partial loss of MHC specific haplotypes or alleles. Different mechanisms are described to be responsible for these alterations, requiring different therapeutic approaches. A complete characterization of these molecular defects is important for improvement of the [...] Contents

Overview of MHC Class I Antigens. - HLA Class I Expression In Human Cancer. - MHC Class I Expression In Experimental Mouse Models Of Cancer: Immunotherapy Of Tumors With Different MHC-1 Expression Patterns. - Potential Therapeutic Approaches For Increasing Tumor Immunogenicity By Upregulation Of Tumor HLA Class I Expression... Conclusion.

Fields of interest

Krebshilfsung; Immunologie; Molekulare Medizin

Target groups

Research
Multiple Origins of Sex Differences in Brain
Neuroendocrine Functions and their Pathologies

In theoretical terms, sex differences in brains and behaviors of laboratory animals offer the possibility of fascinating scientific studies on a range of molecular phenomena such as genomic imprinting, DNA methylation, chromatin protein modification, non-coding RNA, potentially resulting in important neuroanatomical and neurochemical sex differences in the brain. Such sex differences could arise consequent to exposures to testosterone early in development, or to other effects deriving from the Y chromosome. However, this general subject has been treated with much hyperbole. Historically, sex differences were assumed to be present where they did not really exist, e.g. with respect to...[...]

Features
In theoretical terms, sex differences in brain and behavior offer the possibility of fascinating scientific studies on a range of molecular phenomena such as DNA methylation, chromatin protein modification, non-coding RNA, resulting in important neuroanatomical and neurochemical effects. However, this general subject has been treated with much hyperbole. Historically, sex differences were assumed to be [...]

Contents
Donald PFAFF (The Rockefeller University, New York, USA) Hormone-dependent chromatin modifications regulating sexually differentiated animal behavior.- Eric B. KEVERNE (University of Cambridge, Cambridge, UK) Importance of genomic imprinting in the evolution and development of the maternal brain.- Catherine DULAC (Harvard University & Howard Hughes Medical Institute, Cambridge, USA) Sex battles in the brain: genomic imprinting in the developing and adult CNS.- Javier DE FELIPE (Universidad Politécnica de Madrid, Madrid, Spain) Gender...[...]

Fields of interest
Neurowissenschaften; Endokrinologie; Human- genetik

Target groups
Research

Type of publication
Contributed volume

More on www.springer.com/978-3-642-33720-8

Hardcover

Neurodegenerative Diseases: Integrative PPPM Approach as the Medicine of the Future

This book will compile a collection of chapters dedicated to varied aspects of PPPM in neuropsychiatric and neurodegenerative diseases. Among the topics to be covered are: Recent advances in ALS research News about clinical aspects and advanced therapy approaches in personalized treatment of ALS Schizophrenia: New treatments and clinical aspects Predictive, Preventive and Personalised Medicine in aging multiple sclerosis advances in multiple sclerosis pharmacogenetics, Tailoring treatment Efficacy, Safety and Regimen Selection Multiple sclerosis related biomarkers: perspectives for clinical application Preventive clinical trials in brain aging: new trends & the need of guidelines

Features
The economic burden of dementia was estimated as being US$ 604 billion in 2010. Now it is time for new guidelines in handling of neurodegenerative disorders. Optimistic versus Pessimistic Prognosis determines much on diagnostic and treatment approaches which healthcare will preferably adopt in the near future. Current dramatic situation can be significantly improved by the implementation of appropriate [...]}

Contents

Fields of interest
Biomedizin (allgemein); Oxidativer Stress; Diabetes.- Endothelial dysfunction in diabetes: role of circulating biomarkers as potential diagnostic and prognostic tools.- Endothelial progenitor dysfunction in the pathogenesis of...[...]

New Strategies to Advance Pre/Diabetes Care: Integrative Approach by PPPM

This book is intended to provide up-to-date and emerging information in the field of diabetes mellitus with a focus on preventive, predictive and personalized medicine.

Features
The writings of earliest civilizations reveal that diabetes mellitus has afflicted man for a very long time. Unfortunately, however, we are now experiencing a world-wide pandemic of the disease which has not been adequately addressed. Available evidence suggests that worldwide every 10 seconds one patient dies of diabetes and its severe complications. The outlook is even more bleak with the prediction of [...]

Contents
Global figures argue in favour of preventive measures and personalized treatment to optimise diabetes care.- Three levels of prediction, prevention & individualised treatment algorithms to advance diabetes care: Integrative approach.- Diabetes mellitus: new challenges and innovative therapies.- Identification of biomarkers for beta cell failure as detection tools for predictive screening in type 2 diabetes.- Endothelial dysfunction in diabetes: role of circulating biomarkers as potential diagnostic and prognostic tools.- Endothelial progenitor dysfunction in the pathogenesis of...[...]

Fields of interest
Biomedizin (allgemein); Oxidativer Stress; Diabetologie; Stoffwechselkrankungen; Endokrinologie, Nephrologie

Target groups
Research

Type of publication
Contributed volume

More on www.springer.com/978-94-007-5970-1

Hardcover
Organ Regeneration
Methods and Protocols

Tissue engineering and regenerative medicine represents a wide array of cell, biomaterial and cell/bio-material based approaches focusing on the repair, augmentation, and regeneration of diseases tissues and organs. Organ Regeneration: Methods and Protocols has been assembled in response to the growing interest in organ and tissue regeneration as a means to treat disease. Topics cover methods such as isolation and characterization of cells from selected soft tissues and solid organs, preparation and evaluation of natural and synthetic biomaterial scaffolding, implantation of regenerative constructs within experimental animals, and evaluation of regenerative outcomes by molecular and [...]"}

Polyparmacy in Psychiatry Practice, Volume II
Use of Polyparmacy in the “Real World”

Although monotherapy is generally recommended as the treatment of choice, treatment resistance of patients with psychosis, cognitive, mood and anxiety disorders represents a significant clinical problem. In this context, augmentation and combination strategies are employed to address this problem. Although multiple medication use commonly in psychiatric practice, reasons, efficacy and safety for polyparmacy, and augmentation strategies remain unclear. It remains unclear if there is an evidence base to support polyparmacy. Furthermore, excessive and inappropriate use of psychotropic medications has been recognized as a public health problem. This volume is the first [...]"}

Features
Despite the large number of psychotropic medications currently available, effective management of mental disorders continues to be a challenging task. Although monotherapy may be desirable, most patients require combinations of two or more psychotropic drugs. Polyparmacy aims to address different aspects of treatment resistance, especially insufficient response of positive and negative symptoms, cognitive [...]"

Contents
1. Antipsychotic polypharmacy for schizophrenia: ‘Secret sauce’ or ‘wild abandon’? - Antipsychotic polypharmacy in USA - Antipsychotic polypharmacy in Czech Republic and in Ukraine - Antipsychotic polypharmacy in residential facilities in Italy: the gap between recommendations and real world practice - Antipsychotic polypharmacy and associated phenomena in patients with schizophrenia: Rational or irrational? - Antipsychotic polypharmacy in schizophrenia. How to counteract this common practice? - Clozapine combinations in treatment-resistant schizophrenia patients - Metabolic syndrome [...]"}

Fields of interest
Molekulare Medizin; Regenerative Medizin/Tissue Engineering

Target groups
Professional/practitioner

Type of publication
Contributed volume

More on www.springer.com/978-94-007-5939-8

Hardcover
2013. XIII, 377 p. 103 illus., 44 in color. (Metodous in Molecular Biology, Band 1001)
117,69 €
Gewöhnlich versandfertig in 3-5 Werktagen.

Regulated Proteolysis in Microorganisms

This book contains an extensive collection of critical reviews, from leading researchers in the field of regulated protein degradation. It covers the role of regulated proteolysis in a range of microorganisms (from Gram-positive, Gram-negative and pathogenic bacteria to Archaea and the Baker’s yeast Saccharomyces cerevisiae).

Features
This book contains an extensive collection of critical reviews, from leading researchers in the field of regulated protein degradation. It covers the role of regulated proteolysis in a range of microorganisms (from Gram-positive, Gram-negative and pathogenic bacteria to Archaea and the Baker’s yeast Saccharomyces cerevisiae). For many years, intracellular [...]"}

Fields of interest
Biomedizin (allgemein); Mikrobiologie; Proteinsstruktur; Proteinforschung; Wissenschaft

Target groups
Research

Type of publication
Contributed volume

More on www.springer.com/978-94-007-5939-8

Hardcover
2013. XIV, 333 p. 65 illus., 62 in color. (Subcellular Biochemistry, Band 66)
149,75 €
ISBN 978-94-007-5939-8
Gewöhnlich versandfertig in 3-5 Werktagen.
Stress-Induced Mutagenesis

The discovery of stress-induced mutagenesis has changed ideas about mutation and evolution, and revealed mutagenic programs that differ from standard spontaneous mutations in rapidly proliferating cells. The stress-induced mutations occur during growth-limiting stress, and can include adaptive mutations that allow growth in the otherwise growth-limiting environment. The stress responses increase mutagenesis specifically when cells are maladapted to their environments, i.e. are stressed, potentially accelerating evolution then. The mutation mechanism also includes temporary suspension of post-synthesis mismatch repair, resembling mutagenesis characteristic of some cancers. [...]
Tight Junctions in Cancer Metastasis

There has been a dramatic increase in knowledge of tight junctions in the past decade. The molecular structure of tight junctions, cellular functions and the pathophysiological roles of tight junctions are becoming clear. Of the most important functions, the role of the cellular structure in cancer spread and drug delivery are increasingly realised. It is now clear that there are fundamental changes to tight junctions during the process of cancer development. Tight junctions are also critical to the metastatic process of cancer cells. The cellular structure is also crucial in drug therapies, namely, the permeability and bioavailability of the drugs, penetration of barriers such as the...

Features
There has been a dramatic increase in knowledge of tight junctions in the past decade. The molecular structure of tight junctions, cellular functions and the pathophysiological roles of tight junctions are becoming clear. Of the most important functions, the role of the cellular structure in cancer spread and drug delivery are increasingly realised. It is now clear that there are fundamental changes to...

Contents
Preface.- The molecular aspects of Tight Junctions.- The distribution of tight junctions and junctional proteins in the body.- Methodologies in investigation tight junctions.- Vascular permeability and drug delivery.- Tight junctions, BBB and brain metastasis.- Tight junctions and bladder cancer metastasis.- Tight Junctions and colorectal cancer therapies.- Tight junctions in breast cancer.- Regulation of tight junctions for therapeutic advantages.- Overcoming tight junctional permeability in cerebral metastasis.- CL-5 and cancer metastasis.- Intracellular signalling in TJ and AJ - ROCK[...]

Fields of interest
Biomedizin (allgemein); Krebsforschung; Onkologie; Zellbiologie; Membranbiologie

Target groups
Graduate

Type of publication
Contributed volume

More on www.springer.com/978-94-007-6027-1

Tumor Dormancy, Quiescence, and Senescence, Volume 1

Aging, Cancer, and Noncancer Pathologies

With a particular emphasis on tumor dormancy in breast, lung, prostate, and liver cancers, as well as in melanoma, this first volume of a new Springer series focuses on the interrelationship between biological processes of aging and tumors—both dormant and quiescent. With detail supplied by numerous international researchers at the forefront of cancer research, the book examines a host of differing aspects of the topic. Featured contributions analyze the role of the quiescent state in regulating hematopoietic and muscle stem cells. They also explore the mediation, by the kinase, in the reversible quiescent state of a subset of ovarian, pancreatic, and colon cancers. The book includes[...]

Features
With a particular emphasis on tumor dormancy in breast, lung, prostate, and liver cancers, as well as in melanoma, this first volume of a new Springer series focuses on the interrelationship between biological processes of aging and tumors—both dormant and quiescent. With detail supplied by numerous international researchers at the forefront of cancer research, the book examines a host of differing aspects[...]

Contents
Preface.- I. Tumor dormancy.- Is tumor dormancy clinically relevant? - Microenvironmental influence on breast cancer Dormancy and metastasis.- Determination of breast cancer dormancy: analysis of circulating free DNA using SNP 6.0 arrays.- Clonogenicity of cultured prostate cancer cells is controlled by dormancy: significance and comparison with cell culture models of breast cancer cell dormancy.- Dormancy and metastasis of melanoma cells to lymph Nodes, lung, and liver.- Late recurrence is a sign of melanoma dormancy: need of Life-long follow-up of melanoma patients. II. Quiescence.[...]

Fields of interest
Krebsforschung; Stammzellen; Gesundheitswesen

Target groups
Professional/practitioner

Type of publication
Contributed volume

More on www.springer.com/978-94-007-5957-2

Medical Applications of Electrochemistry, a volume of the series Modern Aspects of Electrochemistry, illustrates the interdisciplinary nature of modern science by indicating the many current issues in medicine that are susceptible to solution by electrochemical methods. This book also suggests how personalized medicine can develop.

Features
Modern Aspects of Electrochemistry Number 56 contains chapters covering the following topics related to the use of electrochemistry in medicine.- Electrochemistry in the design and development of medical technologies and devices.- Medical devices at the interface of biology and electrochemistry.- Sensing by screen printed electrodes for medical[...]

Fields of interest
Elektrochemie; Medizin (allgemein); Analytische Chemie; Angiologie; Diabetologie; Innere Medizin

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-1-4614-6147-0

Hardcover

Chemie

M. Schlesinger, University of Windsor, ON, Canada (Ed.)

Applications of Electrochemistry in Medicine

Medical Applications of Electrochemistry, a volume of the series Modern Aspects of Electrochemistry, illustrates the interdisciplinary nature of modern science by indicating the many current issues in medicine that are susceptible to solution by electrochemical methods. This book also suggests how personalized medicine can develop.

Features
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Fields of interest
Elektrochemie; Medizin (allgemein); Analytische Chemie; Angiologie; Diabetologie; Innere Medizin

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-1-4614-6147-0

Hardcover
Applications of MALDI-TOF Spectroscopy


Autonomous Sensor Networks

Collective Sensing Strategies for Analytical Purposes

This volume surveys recent research on autonomous sensor networks from the perspective of enabling technologies that support medical, environmental and military applications. State of the art, as well as emerging concepts in wireless sensor networks, body area networks and ambient assisted living introduce the reader to the field, while subsequent chapters deal in depth with established and related technologies, which render their implementation possible. These range from smart textiles and printed electronic devices to implanted devices and specialized packaging, including the most relevant technological features. The last four chapters are devoted to customization, implementation [...] Features This volume surveys recent research on autonomous sensor networks from the perspective of enabling technologies that support medical, environmental and military applications. State of the art, as well as emerging concepts in wireless sensor networks, body area networks and ambient assisted living introduce the reader to the field, while subsequent chapters deal in depth with established and related [...] Contents Wireless Sensor and Actuator Network Applications and Challenges. - Body Area Networks. - Sensors for Ambient Assisted Living (AAL) and Smart Homes. - Research in Energy Harvesting Wireless Sensor Networks and the Challenges Ahead. - Wearable Sensors. - Smart Textiles: Technology and WSN Applications. - Implanted Sensors. - Printed Organic Electronic Sensors. - Autonomous Lab-on-a-Chip Technologies. - Ubiquitous Devices for Chemical Sensing. - Packaging Technology for Devices in Autonomous Sensor Networks. - Collective Sensing for Health Care. - Distributed Environmental Monitoring. - Wireless [...] Fields of interest Industriechemie; Signal-, Bild- und Sprachverarbeitung; Spezielle Anwendungssysteme; Medizinische Chemie; Messmethoden und -instrumente; Biochemische Technik Target groups Research Type of publication Reviews More on www.springer.com/978-3-642-34647-7 Hardcover 2013. X, 428 p. 168 illus., 105 in color. (Springer Series in Chemical Sensors and Biosensors, Band 13) 266,43 € ISBN 978-3-642-34647-7 Gewöhnlich versandfertig in 3-5 Werktagen.
Handbuch der gefährlichen Güter. 
Gesamtwerk: Merkblätter 1-2900. 
Erläuterungen und Synonymliste. 
Transport- und Gefahrenklassen 
Neu. Hommel Interaktiv - CD-ROM V 
12.0 Einzelplatzversion

Der Hommel ist seit langen Jahren die Standard- 
quelle für Gefahr-gut-Information. Fast jede Sub- 
stanz, fast jede für den Einsatz nötige Information 
finden Sie schnell, präzise und zuverlässig in diesem Nachschlagewerk. Das gibt Ihnen die Sicherheit, 
die Sie für Ihre Arbeit brauchen: Mit dem Hom- 
mel können Sie auch kritische Situationen in den 
Griff bekommen! Bei jedem Gefahr-gut-Transport 
gibt es um Sicherheits- und Haftungsfragen. Die 
beste Strategie: Risiken vermeiden und die richti- 
gen Handlungsempfehlungen für die Maßnahmen z.B. 
nach Verkehrs- und Betriebsunfällen. „So steht’s im 
Hommel“: Wer sich dort informiert, ist im Ernstfall 
optimal auf den Einsatz vorbereitet und abgesichert. 
In[...]

Features
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die Sie für Ihre Arbeit brauchen: Mit dem Hommel 
können Sie auch kritische Situationen in den Griff 
bekommen! Bei jedem Gefahr-gut-Transport geht es 
um Sicherheits- und Haftungsfragen. Die beste Strategie: Risiken vermeiden und die richtigen 
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nach Verkehrs- und Betriebsunfällen. „So steht’s im 
Hommel“: Wer sich dort informiert, ist im Ernstfall 
optimal auf den Einsatz vorbereitet und abgesichert. 
In[...]

Fields of interest
Sicherheit in der Chemie / Gefährliche Güter; Not- 
fallmedizin; Öffentliches Recht

Type of publication
Reference work

More on [www.springer.com/978-3-642-34570-8]
2013, 5000 S. Mit CD-ROM. 9 Bände. (Gesamtwerk) 
2.099,00 € 
ISBN 978-3-642-34570-8 
Versandfertig innerhalb von 3 Tagen.

A.A. Andriiko, National Technical University of Ukraine, Kyiv, Ukraine; Y.O. Andriyko, Centre of Electrochemical Surface Technology, Vienna, Austria; G.E. Nauer, Vienna University, Austria

Many-electron Electrochemical Processes
Reactions in Molten Salts, Room-Temperature Ionic Liquids and Ionic Solutions

Here, the authors provide a unified concept for understanding multi-electron processes in electro- 
chemical systems such as molten salts, ionic liquids, 
or ionic solutions. A major advantage of this con- 
cept is its independence of assumptions like one- 
step many-electron transfers or ‘discrete’ discharge 
of complex species. Therefore this monograph is a 
unique resource for basic electrochemical research 
but also for many important applications such as 
electrodeposition, electorefining, or electrowinning 
of polyvalent metals from molten salts and other 
ionic media.

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unique resource for basic electrochemical research 
but also [...]
Quadruplex Nucleic Acids


Features

Contents

Fields of interest
Bioorganische Chemie; Nukleinsäurechemie; Medizinische Biochemie; Biophysik und biologische Physik

Target groups
Research

Type of publication
Reviews

More on www.springer.com/978-3-642-34742-9

Hardcover
2013, X, 278 p. 70 illus., 47 in color. (Topics in Current Chemistry, Band 330)
245,03 €
ISBN 978-3-642-34742-9
Gewöhnlich versandfertig in 3-5 Werktagen.

Erziehungswissenschaft

Characterisation of a Personal Learning Environment as a Lifelong Learning Tool

This work focuses on the characterization of adult lifelong learners’ Personal Learning Environments (PLEs) by implicit and explicit tools of personalization. It aims toward creating a system for the development of a learning path for the characterisation of PLE for adult life learners.

The synergy of formal and informal learning in the dynamic construction of a lifelong learner’s PLE is fully explored, with the recognition that the major- ity of learning, especially for life long learners, occurs outside traditional learning formats. Specifically, this volume discusses the design, implementation, and validation of the SSW4LL (Social Semantic Web for Lifelong Learners) format, and[...]

Features
Over the last years, increasing attention has been paid to Personal Learning Environments (PLEs) as an effective framework for lifelong learners, and to the need for a smooth integration of formal and informal learning. A wider and wider range of open source and free learning applications on the web are offering lifelong learners powerful tools to construct and characterise their own PLEs.[...]

Contents

Fields of interest
Bildungstechnologie; Erwachsenenbildung / Lebenslanges Lernen; Computer und Ausbildung

Target groups
Research

Type of publication
Brief

More on www.springer.com/978-1-4614-6273-6

Softcover
2013, XX, 88 p. 18 illus., 17 in color. (SpringerBriefs in Education)
53,45 €
ISBN 978-1-4614-6273-6
Gewöhnlich versandfertig in 3-5 Werktagen.
**Ganztagsschulen in lokalen Bildungsnetzwerken**


**Features**

**Contents**

**Fields of interest**
- Erziehungswissenschaft (allgemein); Sozialwissenschaften (allgemein)
- Bildungssoziologie

**Target groups**
Upper undergraduate

**Type of publication**
Monograph

More on www.springer.com/978-3-531-19595-7

**Softcover**
34,99 €
ISBN 978-3-531-19595-7

**Gewöhnlich versandfertig in 3-5 Werktagen.**

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**Gemeinsames Sorgerecht nicht miteinander verheirateter Eltern**

Empirische Studien und juristische Expertisen

Wie passen rechtliche Regelungen, individuelles Verhalten sowie gesellschaftliches Verständnis von ‘elterlicher Sorge’ zusammen? Vor dem Hintergrund der aktuellen juristischen Debatte um das gemeinsame Sorgerecht wird die die vorliegende Arbeit von K. Jurczyk, Deutsches Jugendinstitut e.V., München, Deutschland; S. Walper, Deutsches Jugendinstitut e.V., München, Deutschland (Eds.) herausgegeben.

**Features**
Empirische Studien und juristische Expertisen über die Praxis der gemeinsamen Sorgerecht bei nicht miteinander verheirateten Eltern. Die Autoren erläutern, wie sich die rechtliche Regelung auf die Praxis in der Erziehungswissenschaft auswirkt und welche Herausforderungen dabei auftreten können.

**Contents**
- Nichteheliche Geburten in Deutschland - Sorgerechtsregelungen bei nichtehelicher Geburt - Analyse der Rechtsprechung und Rechtsvergleich - Einzelne Übereinstimmungen - Ergebnisse der Befragung von Eltern nichtehelich geborener Kinder
- Empirische Studien von K. Jurczyk, Deutsches Jugendinstitut e.V., München, Deutschland; S. Walper, Deutsches Jugendinstitut e.V., München, Deutschland (Eds.)

**Fields of interest**
- Erziehungswissenschaft (allgemein); Bildungspolitik; Bildungssozioologie

**Target groups**
Professional/practitioner

**Type of publication**
Professional book

More on www.springer.com/978-3-658-00349-4

**Softcover**
2013, XIX, 365 S. 45 Abb. (Deutsches Jugendinstitut e.V., Band 1)
34,99 €
ISBN 978-3-658-00349-4

**Versandfertig innerhalb von 3 Tagen.**
Higher Education in Saudi Arabia

Achievements, Challenges and Opportunities

This book provides the first academically rigorous description and critical analysis of the Higher Education system in the Kingdom of Saudi Arabia, and of the vision, strategies and policy imperatives for the future development of Saudi universities. The government of Saudi Arabia has recognized in both policy and practice the necessity of developing its university system to world-class standard. Significantly increasing access and participation in Higher Education across a range of traditional and non-traditional disciplines is directly relevant to the future social and economic growth of the country. This book addresses the way in which Saudi Arabia is moving to develop a quality [...]
Simulation and Learning

**A Model-Centered Approach**

The main idea of this book is that to comprehend the instructional potential of simulation and to design effective simulation-based learning environments, one has to consider both what happens inside the computer and inside the students’ minds. The framework adopted to do this is model-centered learning, in which simulation is seen as particularly effective when learning requires a restructuring of the individual mental models of the students, as in conceptual change. Mental models are by themselves simulations, and thus simulation models can extend our biological capacity to carry out cumulative reasoning. For this reason, recent approaches in cognitive science like embodied[...]

**Features**

This book conveys the incredible instructional potential of simulation as a modality of education and provides guidelines for the design of effective simulation-based learning environments. The framework of the book consists of model-centered learning—learning that requires a restructuring of individual mental models utilized by both students and teachers. Simulation models extend our biological capacity to carry out cumulative reasoning[...]

**Contents**


**Fields of interest**

Lernen; Kognitive Psychologie; Bildungstechnologie; Simulation und Modellierung

**Target groups**

Research

**Type of publication**

Monograph


**Hardcover**

2013. XVII, 235 p. 73 illus., 28 in color. 106.99 €


Gewöhnlich versandfertig in 3-5 Werktagen.

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**The Changing Academic Profession**

**Major Findings of a Comparative Survey**

This book provides an overview on the major findings of a questionnaire survey of academic profession in international perspective. More than 25,000 professors and junior staff at universities and other institutions of higher education at almost 20 countries from all over the world provide information on their working situation, their views and activities. The study “The Changing Academic Profession” is the second major study of its kind, and changes of views and activities are presented through a comparison of the findings with those of the earlier study undertaken in the early 1990s. Major themes are the academics’ perception of their societal and institutional environments, the[...]

**Features**

This book provides an overview on the major findings of a questionnaire survey of academic profession in international perspective. More than 25,000 professors and junior staff at universities and other institutions of higher education at almost 20 countries from all over the world provide information on their working situation, their views and activities. The study “The Changing Academic Profession” is the[...]

**Contents**


**Fields of interest**

Internationale und vergleichende Erziehungswissenschaft; Hochschulwesen

**Target groups**

Research

**Type of publication**

Monograph

More on [www.springer.com/978-94-007-6154-4](http://www.springer.com/978-94-007-6154-4)

**Hardcover**


ISBN 978-94-007-6154-4

Gewöhnlich versandfertig in 3-5 Werktagen.

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**Transnational Influences on Values and Practices in Nordic Educational Leadership**

**Is there a Nordic Model?**

This book explores to what extent transnational influences change national/local values and practices in the Nordic educational systems. It provides country cases and thematic chapters that give nuanced insights into the influence of transnational agencies on national governance and discourses. It describes how national discourses and regulation influences school leadership values, culture and practice, in competition with traditional values. The transnational and global discourse on educational leadership is mostly formed according to Anglo-American thinking and tradition. Pivotal foundations of this discourse are strong hierarchical societies/class societies with liberal[...]

**Features**

This book explores to what extent transnational influences change national/local values and practices in the Nordic educational systems. It provides country cases and thematic chapters that give nuanced insights into the influence of transnational agencies on national governance and discourses. It describes how national discourses and regulation influences school leadership values, culture and practice,[...]

**Contents**


**Fields of interest**

Verwaltung, Organisation und Führung; Bildungspolitik; Internationale und vergleichende Erziehungswissenschaft

**Target groups**

Research

**Type of publication**

Contributed volume

More on [www.springer.com/978-94-007-6225-1](http://www.springer.com/978-94-007-6225-1)

**Hardcover**

2013. XX, 228 p. 7 illus. (Studies in Educational Leadership, Band 19) 106.99 €

ISBN 978-94-007-6225-1

Gewöhnlich versandfertig in 3-5 Werktagen.
Understanding Education Policy

The 'Four Education Orientations' Framework

Analysis of education policy often follows a particular orientation, such as conservative or neo-liberal. Yet, readers are often left to wonder the true meaning and conceptual framing behind these orientations. Without this knowledge, the policy analysis lacks true rigor, its value is diminished as the results may prove difficult to reproduce. Understanding Education Policy provides an overarching framework of four key orientations that lie beneath much policy analysis, yet are rarely used with accuracy: conservative, liberal, critical and post-modern. It details each orientation's application to policy making, implementation and overall impact. The book also argues the value of [...]}

**Contents**

1. Introduction
2. Perceptions of Policy
3. Policy Paradigms Frameworks: Gaps Within Research
4. The Four Orientations to Education Framework

**Fields of interest**

Bildungspolitik; Philosophie der Erziehung; Philosophie der Erziehungswissenschaft

**Target groups**

Research

**Type of publication**

Brief

More on [www.springer.com/978-94-007-6264-0](http://www.springer.com/978-94-007-6264-0)

**Softcover**

2013. IX, 71 p. 2 illus. (SpringerBriefs in Education) 53,49 €

ISBN 978-94-007-6264-0

Gewöhnlich versandfertig in 3-5 Werktagen.

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Unscharfe Einsätze: 
(Re-)Produktion von Heterogenität im schulischen Feld

Heterogenität wird zunehmend als zentrales Thema für die Schul- und Unterrichtsforschung benannt, wobei der Begriff auf sehr unterschiedliche Weise verstanden und eingesetzt wird. Ziel dieses Buches ist es, Beiträge zu theoretischen und empirischen Konzeptionierungen von Heterogenität zu sammeln, die sich jenseits von affirmativer Verwendung oder Praxisorientierung grundlegend mit Konstruktionen des Begriffs im schulischen Umfeld beschäftigen.

**Features**

Heterogenität wird zunehmend als zentrales Thema für die Schul- und Unterrichtsforschung benannt, wobei der Begriff auf sehr unterschiedliche Weise verstanden und eingesetzt wird. Ziel dieses Buches ist es, Beiträge zu theoretischen und empirischen Konzeptionierungen von Heterogenität zu sammeln, die sich jenseits von affirmativer Verwendung oder Praxisorientierung grundlegend mit Konstruktionen des [...]}

**Contents**

Theoretische Perspektiven
- Empirische Perspektiven
- Exkurs: Internationale Perspektive

**Fields of interest**

Erziehungswissenschaft (allgemein)

**Target groups**

Professional/practitioner

**Type of publication**

Professional book

More on [www.springer.com/978-3-531-18415-9](http://www.springer.com/978-3-531-18415-9)

**Softcover**

2013. VI, 310 S. 4 Abb. (Studien zur Schul- und Bildungsforschung, Band 42) 39,99 €

ISBN 978-3-531-18415-9

Gewöhnlich versandfertig in 3-5 Werktagen.

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Vorgehensweisen von Grundschulkindern beim Darstellungswechsel

Eine Untersuchung am Beispiel der Multiplikation im 2. Schuljahr


**Features**


**Contents**

Darstellungswechsel als Übersetzungsprozess
- Darstellungswechsel als Lernprozess
- Vorgehensweisen
- Epistemologisches Dreieck
- Fokussierungen
- Variation

**Fields of interest**

Mathematische Bildung; Lehrerausbildung; -fortbildung

**Target groups**

Research

**Type of publication**

Monograph

More on [www.springer.com/978-3-658-01508-4](http://www.springer.com/978-3-658-01508-4)

**Softcover**

2013. XII, 294 S. 109 Abb. (Dortmunder Beiträge zur Bildungs- und Forschung, Band 10) 69,99 €

ISBN 978-3-658-01508-4

Gewöhnlich versandfertig in 3-5 Werktagen.
Drift, Deformation, and Fracture of Sea Ice
A Perspective Across Scales

Sea ice is a major component of polar environments, especially in the Arctic where it covers the entire Arctic Ocean throughout most of the year. However, in the context of climate change, the Arctic sea ice cover has been declining significantly over the last decades, either in terms of its concentration or thickness. The sea ice cover evolution and climate change are strongly coupled through the albedo positive feedback, thus possibly explaining the Arctic amplification of climate warming. In addition to thermodynamics, sea ice kinematics (drift, deformation) appears as an essential factor in the evolution of the ice cover through a reduction of the average ice age (and consequently) [...] Features Sea ice drift - Sea ice deformation - Sea ice fracturing - Recent evolution of sea ice kinematics and rheology - Modeling of sea ice rheology and deformation.

Fields of interest
Geophysik; Geodäsie; Ozeanographie; Umweltphysik; Erdsystemwissenschaften

Target groups Research

Type of publication
Brief


Gewöhnlich versandfertig in 3-5 Werktagen.

Geowissenschaften

F. Agnolin, Fundación de Historia Natural “Félix de Azara”, Buenos Aires, Argentina; F.E. Novas, Museo Argentino de Ciencias Naturales “Bernardino Rivadavia”, Buenos Aires, Argentina

Avian Ancestors

A Review of the Phylogenetic Relationships of the Theropods Unenlagiidae, Microraptoria, Archosauriomorpha, and Scansoriopterygidae

Although consensus exists among researchers that birds evolved from coelurosaurian theropods, paleontologists still debate the identification of the group of coelurosaurians that most closely approaches the common ancestor of birds. The last 20 years witnessed the discovery of a wide array of avian-like theropods that has considerably amplified the anatomical disparity among deinonychosaurians, some of which resemble Archaeoraptor more than Deinonychus. Among these newly discovered theropods that show remarkable bird-like characteristics are the four-winged theropods Microraptor and Anchiornis, and the unenlagiids Unenlagia, Buitreraptor, and Rahonavis. A bizarre group of minute-sized [...] Features Although consensus exists among researchers that birds evolved from coelurosaurian theropods, paleontologists still debate the identification of the group of coelurosaurians that most closely approaches the common ancestor of birds. The last 20 years witnessed the discovery of a wide array of avian-like theropods that has considerably amplified the anatomical disparity among deinonychosaurians, some of which [...] Contents Introduction - Institutional abbreviations - Comparison: general information about the main taxa to be compared in the present paper - Phylogenetic analysis: review of available phylogenetic hypotheses about the origin of birds, discussing their respective logical bases and discussion of characters used for their support - Systematic Paleontology: systematic arrangement - Discussion - Evolution of feathers and wings among basal paravians - Osteological and integumental modifications related to the origin of flight - Body size increase and loss of flying capabilities among paravians - Independent [...] Fields of interest Paläontologie; Tier Systematik / Taxonomie, Biogeographie; Evolutionsbiologie; Tieranatomie / Entwicklungsbiologie, Histologie

Target groups Research

Type of publication
Brief

More on www.springer.com/978-94-007-5636-6

Gewöhnlich versandfertig in 3-5 Werktagen.

Geisteswissenschaften & Kunst

S.M. Liang, Beijing, P.R. China; G.S. Alitto, The University of Chicago, IL, USA

Has Man a Future?

Dialogues with the Last Confucian

Liang Shu-ming (October 18, 1893 – June 23, 1988), was a legendary philosopher, teacher, and leader in the Rural Reconstruction Movement in the late Qing Dynasty and early Republican eras of Chinese history. Liang was also one of the early representatives of modern Neo-Confucianism. Guy S. Alitto, associate professor in the Department of East Asian Languages and Civilizations (EALC) at The University of Chicago, is author of, among other things, The Last Confucian: Liang Shu-ming and the Chinese Dilemma of Modernity, and is one of the most active and influential Sinologists in America. In 1980 and again in 1984, at Liang Shu-ming’s invitation, he conducted a series of interviews with [...] Features Liang Shu-ming (October 18, 1893 – June 23, 1988), was a legendary philosopher, teacher, and leader in the Rural Reconstruction Movement in the late Qing Dynasty and early Republican eras of Chinese history. Liang was also one of the early representatives of modern Neo-Confucianism. Guy S. Alitto, associate professor in the Department of East Asian Languages and Civilizations (EALC) at The University of [...] Contents Preface - Introduction - Chapter 1: August 12, 1980 - Chapter 2: August 13, 1980 - Chapter 3: August 14, 1980 - Chapter 4: August 15, 1980 - Chapter 5: August 16, 1980 - Chapter 6: August 17, 1980 - Chapter 7: August 18, 1980 - Chapter 8: August 19, 1980 - Chapter 9: August 20, 1980 - Chapter 10: August 21, 1980 - Chapter 11: August 22, 1980 - Chapter 12: August 24, 1980 - Chapter 13: August 25, 1980.

Fields of interest
Geisteswissenschaften; Geschichte

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-3-642-35815-9

Hardcover
2013, XI, 252 p. (China Academic Library)
139,09 €
ISBN 978-3-642-35815-9
Gewöhnlich versandfertig in 3-5 Werktagen.

18 Geisteswissenschaften & Kunst
Earthquake Hazard Evaluation

This book presents a series of numerical simulation studies of the earthquake generation process and the evaluation of the hazards caused by large earthquakes and tsunamis, drawn from three distinct topical areas. First, recent research results on earthquake source physics are introduced, which can be used as input for hazard evaluation studies. Then, propagation of seismic waves and tsunamis is discussed, connecting what happens at the source with the resulting damage. Finally, earthquake statistics for forecasting are discussed, a practical application of our knowledge for the mitigation of earthquake and tsunami disasters. This book is suitable for graduate students who are [...]
Management of Water Resources in Protected Areas

Natural ecosystems are heavily dependent on water, as it is essential to the development of life. The ecology and landscape play an important role in the quality and availability of water. It is no coincidence that exceptional hydrological phenomena are found in protected areas. Such is the case with, for example, the geothermal occurrences (principally, geysers) in America’s Yellowstone National Park, the oldest park in the world. The Ramsar wetlands (where the ecosystem’s dependency on water is strongly evident), The Iguazu Falls (on the border of Argentina and Brazil), or the Zapata Swamp (the largest of its kind on the Caribbean island of Cuba) further exemplify this point.[…]

Features
Natural ecosystems are heavily dependent on water, as it is essential to the development of life. The ecology and landscape play an important role in the quality and availability of water. It is no coincidence that exceptional hydrological phenomena are found in protected areas. Such is the case with, for example, the geothermal occurrences (principally, geysers) in America’s Yellowstone National Park, the oldest park in the world. The Ramsar wetlands (where the ecosystem’s dependency on water is strongly evident), The Iguazu Falls (on the border of Argentina and Brazil), or the Zapata Swamp (the largest of its kind on the Caribbean island of Cuba) further exemplify this point.[…]

Contents

Fields of interest
Hydrogeologie; Wasserpolitik/Wasserverwaltung; Abwassertechnik / Gewässerschutz; Wasserwirtschaft; Geo-Engineering, Tiefbau, Wasserbau

Target groups
Research

Type of publication
Contributed volume

More on www.springer.com/978-3-642-35457-1

Hardcover
2013. XIV, 157 p. 32 illus., 17 in color. (Springer Theses)
139,99 €
ISBN 978-3-642-16329-6

Rare Earth Elements
A New Approach to the Nexus of Supply, Demand and Use: Exemplified along the Use of Neodymium in Permanent Magnets

This thesis deals with Rare Earth Elements (REE), especially with neodymium used in permanent magnets, from a very scientific basis by providing basic research data. Despite the fact that REE are newsworthy and very important elements for a considerable bandwidth of today’s technologies, accompanied by the monopolistic supply situation and Chinese politics, there are inexplicable data discrepancies about REE which have been recognized frequently but usually have not been addressed accordingly. So this analysis started with the hypothesis that the four application areas, namely computer hard disk drives (HDD), mobile phones, wind turbines and e-mobility (automotive traction), account[…]

Features
This thesis deals with Rare Earth Elements (REE), especially with neodymium used in permanent magnets, from a very scientific basis by providing basic research data. Despite the fact that REE are newsworthy and very important elements for a considerable bandwidth of today’s technologies, accompanied by the monopolistic supply situation and Chinese politics, there are inexplicable data discrepancies about REE[…]

Contents
Rare Earth Elements (REE) – what and where they are.- The way to the Chinese predominance – a key for understanding the REE issue.- Numbers about Rare Earth Elements in the scientific literature.- Rare Earth Elements in the magnets application field.- Scales and Relations: analysis of REPM use with emphasis on the years from 2000 – 2010.- The geography of the REE.

Fields of interest
Lagerstättenkunde; Wirtschaftsgeographie; Emerging Markets/Globalization; Metallische Werkstoffe

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-3-642-35457-1

Hardcover
2013. XIV, 157 p. 32 illus., 17 in color. (Springer Theses)
106,99 €
ISBN 978-3-642-35457-1

Gewöhnlich versandfertig in 3-5 Werktagen.
Reference Frames for Applications in Geosciences

Reference systems and frames are of primary importance for many Earth science applications, satellite navigation as well as for practical applications in geo-information. A precisely defined reference frame is needed for the quantification of, e.g. Earth rotation and its gravity field, global and regional sea level variation, tectonic motion and deformation, post-glacial rebound, geocenter motion, large scale deformation due to Earthquakes, local subsidence and other ruptures and crustal dislocations. All of these important scientific applications fundamentally depend on a truly global reference system that only space geodesy can realize. This volume details the proceedings of the IAG[...]

Features
Reference systems and frames are of primary importance for many Earth science applications, satellite navigation as well as for practical applications in geo-information. A precisely defined reference frame is needed for the quantification of, e.g. Earth rotation and its gravity field, global and regional sea level variation, tectonic motion and deformation, post-glacial rebound, geocenter motion, large scale[...]

Contents
Session I Theory and realization of global terrestrial reference systems. - Session II Strengths, weaknesses, modelling standards and processing strategies of space geodetic techniques. - Session III Definition, establishment, maintenance and integration of regional reference Frames. - Session IV Interaction between the celestial and the terrestrial reference frames. - Session V Definition and establishment of vertical reference systems. - Session VI Usage and applications of reference frames in Geosciences.- Session VI Usage and applications of reference frames in Geosciences.

Fields of interest
Geowissenschaften (allgemein); Geographische Informationsysteme / Kartographie;Mathematische Anwendungen in the Physical Sciences; Geophysik / Geodäsie

Target groups
Research

Type of publication
Proceedings

More on www.springer.com/978-3-642-32997-5

Hardcover
2013. XIII, 284 p. 180 illus., 10 in color. (International Association of Geodesy Symposia, Band 138)
149,75 €
ISBN 978-3-642-32997-5

Gewöhnlich versandfertig in 3-5 Werktagen.

Regional Assessment of Climate Change in the Mediterranean

Volume 1: Air, Sea and Precipitation and Water

Volume 1 of a three-volume final report describes, synthesizes and analyzes the results of the four-year Integrated Research Project CIRCE – Climate Change and Impact Research: Mediterranean Environment, funded by the EU 6th Framework Programme. Conducted under the auspices of the National Institute of Geophysics and Volcanology in Rome, Italy, CIRCE was designed to predict and to quantify the physical impacts of climate change in the Mediterranean, and to assess the most influential consequences for the region’s population. This volume incorporates the first two parts of the report, reviewing current knowledge of observed climate variability and trends in the Mediterranean, and[...]

Features
This is volume 1 of a three-volume final report which thoroughly describes, synthesizes and analyzes the results of the four-year Integrated Research Project CIRCE – Climate Change and Impact Research: Mediterranean Environment, funded by the EU 6th Framework Programme. Conducted under the auspices of the National Institute of Geophysics and Volcanology in Rome, Italy, CIRCE was designed to predict and to quantify the physical impacts of climate change in the Mediterranean, and[...]

Contents

Fields of interest
Erdsystemwissenschaften; Klimawandelfolgen; Nachhaltige Entwicklung; Umweltwirtschaft; Sozialwissenschaften (allgemein)

Target groups
Professional/practitioner

Type of publication
Contributed volume

More on www.springer.com/978-94-007-5780-6

Hardcover
2013. XXXIII, 338 p. 136 illus., 68 in color. (Advances in Global Change Research, Band 50)
139,05 €
ISBN 978-94-007-5780-6

Gewöhnlich versandfertig in 3-5 Werktagen.

Regional Assessment of Climate Change in the Mediterranean

Volume 2: Agriculture, Forests and Ecosystem Services and People

Volume 2 of a three-volume final report thoroughly describes, synthesizes and analyzes the results of the four-year Integrated Research Project CIRCE – Climate Change and Impact Research: Mediterranean Environment, funded by the EU 6th Framework Programme. Conducted under the auspices of the National Institute of Geophysics and Volcanology in Rome, Italy, CIRCE was designed to predict and to quantify the physical impacts of climate change in the Mediterranean, and to assess the most influential consequences for the region’s population. This volume incorporates Parts 3 and 4 of the report, reviewing current knowledge of observed climate variability and trends in the Mediterranean, and[...]

Features
This is volume 2 of a three-volume final report which thoroughly describes, synthesizes and analyzes the results of the four-year Integrated Research Project CIRCE – Climate Change and Impact Research: Mediterranean Environment, funded by the EU 6th Framework Programme. Conducted under the auspices of the National Institute of Geophysics and Volcanology in Rome, Italy, CIRCE was designed to predict and to quantify the physical impacts of climate change in the Mediterranean, and[...]

Contents

Fields of interest
Erdsystemwissenschaften; Klimawandelfolgen; Nachhaltige Entwicklung; Umweltwirtschaft; Sozialwissenschaften (allgemein)

Target groups
Professional/practitioner

Type of publication
Contributed volume

More on www.springer.com/978-94-007-5771-4

Hardcover
2013. XXVI, 404 p. 79 illus., 29 in color. (Advances in Global Change Research, Band 51)
139,05 €
ISBN 978-94-007-5771-4

Gewöhnlich versandfertig in 3-5 Werktagen.
Regional Assessment of Climate Change in the Mediterranean

Volume 3: Case Studies

This is the third volume of a three-volume final report, which thoroughly describes, synthesizes and analyzes the results of the four-year Integrated Research Project CIRCE – Climate Change and Impact Research: Mediterranean Environment, funded by the EU 6th Framework Programme. Conducted under the auspices of the National Institute of Geophysics and Volcanology in Rome, Italy, the study was designed to predict and to quantify the physical impacts of climate change in the Mediterranean, and to assess the most influential consequences for the population of the region.

Features
This is the third volume of a three-volume final report, which thoroughly describes, synthesizes and analyzes the results of the four-year Integrated Research Project CIRCE – Climate Change and Impact Research: Mediterranean Environment, funded by the EU 6th Framework Programme. Conducted under the auspices of the National Institute of Geophysics and Volcanology in Rome, Italy, the study was designed to [...]
Adaptive and Natural Computing Algorithms

11th International Conference, ICANNGA 2013, Lausanne, Switzerland, April 4-6, 2013, Proceedings

The book constitutes the refereed proceedings of the 11th International Conference on Adaptive and Natural Computing Algorithms, ICANNGA 2013, held in Lausanne, Switzerland, in April 2013. The 51 revised full papers presented were carefully reviewed and selected from a total of 91 submissions. The papers are organized in topical sections on neural networks, evolutionary computation, soft computing, bioinformatics and computational biology, advanced computing, and applications.

Features

The book constitutes the refereed proceedings of the 11th International Conference on Adaptive and Natural Computing Algorithms, ICANNGA 2013, held in Lausanne, Switzerland, in April 2013. The 51 revised full papers presented were carefully reviewed and selected from a total of 91 submissions. The papers are organized in topical sections on neural networks, evolutionary computation, soft computing, bioinformatics and computational biology, advanced computing, and applications.

Contents


Target groups Research

Type of publication Proceedings

More on www.springer.com/978-3-642-37212-4

Softcover


Advances in Information Retrieval

35th European Conference on IR Research, ECIR 2013, Moscow, Russia, March 24-27, 2013, Proceedings

This book constitutes the proceedings of the 35th European Conference on IR Research, ECIR 2013, held in Moscow, Russia, in March 2013. The 55 full papers, 38 poster papers and 10 demonstrations presented in this volume were carefully reviewed and selected from 287 submissions. The papers are organized in the following topical sections: user aspects; multimedia and cross-media IR; data mining; IR theory and formal models; IR system architectures; classification; Web; event detection; temporal IR, and microblog search. Also included are 4 tutorial and 2 workshop presentations.

Features

This book constitutes the proceedings of the 35th European Conference on IR Research, ECIR 2013, held in Moscow, Russia, in March 2013. The 55 full papers, 38 poster papers and 10 demonstrations presented in this volume were carefully reviewed and selected from 287 submissions. The papers are organized in the following topical sections: user aspects; multimedia and cross-media IR; data mining; IR theory and [...] Fields of interest Informationsspeicherung und Bereitstellung; Bankenmanagement; Data Mining und Wissensgewinnung; Multimedia-Informationssysteme; Anwendung von Informationssystemen (einschl. Internet); Benutzerschnittstellen und Mensch-Computer-Interaktion

Target groups Research

Type of publication Proceedings

More on www.springer.com/978-3-642-36972-8

Softcover


Advances in Knowledge Discovery and Data Mining

17th Pacific-Asia Conference, PAKDD 2013, Gold Coast, Australia, April 14-17, 2013, Proceedings, Part I

The two-volume set LNAI 7818 + LNAI 7819 constitutes the refereed proceedings of the 17th Pacific-Asia Conference on Knowledge Discovery and Data Mining, PAKDD 2013, held in Gold Coast, Australia, in April 2013. The total of 98 papers presented in these proceedings was carefully reviewed and selected from 363 submissions. They cover the general fields of data mining and KDD extensively, including pattern mining, classification, graph mining, applications, machine learning, feature selection and dimensionality reduction, multiple information sources mining, social networks, clustering, text mining, text classification, imbalanced data, privacy-preserving data mining, recommendation, [...] Fields of interest Data Mining und Wissensgewinnung; Künstliche Intelligenz (einschl. Roboter); Informationsspeicherung und Bereitstellung

Target groups Research

Type of publication Proceedings

More on www.springer.com/978-3-642-37452-4

Softcover

Advances in Knowledge Discovery and Data Mining

17th Pacific-Asia Conference, PAKDD 2013, Gold Coast, Aus-
tralia, April 14-17, 2013, Proceedings, Part II

The two-volume set LNAI 7818 + LNAI 7819 consti-
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Asia Conference on Knowledge Discovery and Data
Mining, PAKDD 2013, held in Gold Coast, Aus-
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text mining, text classification, imbalanced data, pri-
vacy-preserving data mining, recommendation.[…]

Contents

ProCF: Probabilistic Collaborative Filtering for Reci-
procal Recommendation.- Product and User Depen-
dent Social Network Models for Recommender
Systems.- Learning Representative Nodes in Social
Networks.- Tracing Influential Nodes in a Social
Network with Competing Information.- ViStruclizer:
A Structural Visualizer for Multi-dimensional Social
Networks.- Influential Nodes in a One-Wave Diffu-
sion Model for Location-Based Social Networks.-
Modeling Social Information Learning among Taxi
Drivers.- Mining User Interests from Information
Sharing Behaviors in Social Media.- Anonymization
for[…]

Fields of interest

Data Mining and Wissensgewinnung; Künstliche
Intelligenz (einschl. Roboter); Informationspe-
sicherung und -bereitstellung; Verarbeitung
von Informations- und Kommunikationssystemen
(einschl. Internet)

Target groups

Research

Type of publication

Proceedings

More on www.springer.com/978-3-642-34554-8

Hardcover

2013. XII, 291 p. 113 illus., 5 in color.
106.99 €
ISBN 978-3-642-34554-8
Gewöhnlich versandfertig in 3-5 Werktagen.

An Introduction to XML Query Processing and Keyword Search

‘An Introduction to XML Query Processing and
Keyword Search’ systematically and comprehen-
vively covers the latest advances in XML data search-
ing. It presents an extensive overview of the current
query processing and keyword search techniques on
XML data, including XML labeling schemes, index-
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patterns, XML query optimization, results estimation,
and XML keyword searches, which are elabo-
rated in separate chapters. Graduate students and
researchers in the field of XML data searching will
find this book an invaluable resource. Prof. Jialeng
Lu is an associate professor at Renmin University of
China’s School of Information.

Features

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Introduction.- XML labeling scheme.- XML data
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and Generalized XML Tree Pattern Processing.-
Effective XML Keyword Search.- XML Keyword
Pattern Refinement.- LCRA: XML Keyword Search
System and Lotussx: Graphical Query Processing
System.- Summary and The Road Ahead.

Fields of interest

Datenbankmanagement; Informationsspeicherung
und -bereitstellung; Verwendung von Information-
systemen (einschl. Internet)

Target groups

Research

Type of publication

Monograph

More on www.springer.com/978-3-642-34554-8

Hardcover

2013. XII, 291 p. 113 illus., 5 in color.
106.99 €
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System.- Summary and The Road Ahead.

Fields of interest

Datenbankmanagement; Informationsspeicherung
und -bereitstellung; Verwendung von Information-
systemen (einschl. Internet)

Target groups

Research

Type of publication

Monograph

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System.- Summary and The Road Ahead.

Fields of interest

Datenbankmanagement; Informationsspeicherung
und -bereitstellung; Verwendung von Information-
systemen (einschl. Internet)

Target groups

Research

Type of publication

Monograph

More on www.springer.com/978-3-642-34554-8

Hardcover

2013. XII, 291 p. 113 illus., 5 in color.
106.99 €
ISBN 978-3-642-34554-8
Gewöhnlich versandfertig in 3-5 Werktagen.
Applications of Evolutionary Computing

16th European Conference, EvoApplications 2013, Vienna, Austria, April 3-5, 2013, Proceedings

This book constitutes the refereed proceedings of the International Conference on the Applications of Evolutionary Computation, EvoApplications 2013, held in Vienna, Austria, in April 2013, collocated with the Evo* 2013 events EuroGP, EvoCOP, EvoBIO, and EvoMUSART. The 65 revised full papers presented were carefully reviewed and selected from 119 submissions. EvoApplications 2013 consisted of the following 12 tracks: EvoCOMNET (nature-inspired techniques for telecommunication networks and other parallel and distributed systems), EvoCOMPLEX (evolutionary algorithms and complex systems), EvoENERGY (evolutionary computation in energy applications), EvoFIN (evolutionary and natural...)

Contents

Fields of interest
Analyze von Algorithmen und Komplexität; Künstliche Intelligenz (einschl. Roboter); Mustererkennung; Rechnernetze; Virtuelle Maschinen; Datenverarbeitung

Target groups
Research

Type of publication
Proceedings

More on www.springer.com/978-3-642-37191-2

Softcover
84,53 €
ISBN 978-3-642-37191-2

Gewöhnlich versandfertig in 3-5 Werktagen.

Automated Reasoning and Mathematics

Essays in Memory of William W. McCune

This Festschrift volume is published in memory of William W. McCune who passed away in 2011. William W. McCune was an accomplished computer scientist all around but especially a fantastic system builder and software engineer. The volume includes 13 full papers, which are presenting research in all aspects of automated reasoning and its applications to mathematics. These papers have been thoroughly reviewed and selected out of 15 submissions received in response to the call for paper issued in September 2011. The topics covered are: strategies, indexing, superposition-based theorem proving, model building, application of automated reasoning to mathematics, as well as to program...[...]

Features
This Festschrift volume is published in memory of William W. McCune who passed away in 2011. William W. McCune was an accomplished computer scientist all around but especially a fantastic system builder and software engineer. The volume includes 13 full papers, which are presenting research in all aspects of automated reasoning and its applications to mathematics. These papers have been thoroughly reviewed...[...]

Contents

Fields of interest
Künstliche Intelligenz (einschl. Roboter); Mathematische Logik und Formale Sprachen; Logik und Semantik von Programmen; Mathematische Anwendungen in der Informatik

Target groups
Research

Type of publication
Contributed volume

More on www.springer.com/978-3-642-36674-1

Softcover
2013. XX, 259 p. 27 illus. (Lecture Notes in Artificial Intelligence, Band 7788)
49,22 €
ISBN 978-3-642-36674-1

Gewöhnlich versandfertig in 3-5 Werktagen.

Beginning C, 5th Edition

Beginning C, 5th Edition teaches you how to program using the widely-available C language. You’ll begin from first-principles and progress through step-by-step examples to become a competent, C-language programmer. All you need are this book and any of the widely available free or commercial C or C++ compilers, and you’ll soon be writing real C programs. C is a foundational language that every programmer ought to know. C is the basis for C# used in Microsoft.NET programming. It is the basis for Objective-C used in programming for the iPhone, the iPad, and other Apple devices. It is the basis for the C++ that is widely used in a great many contexts, including the GNU Project. It...[...]

Features
Beginning C, 5th Edition teaches you how to program using the widely-available C language. You’ll begin from first-principles and progress through step-by-step examples to become a competent, C-language programmer. All you need are this book and any of the widely available free or commercial C or C++ compilers, and you’ll soon be writing real C programs. C is a foundational language that...[...]

Fields of interest
Informatik (allgemein); Programmierfertigkeiten

Target groups
Popular/general

Type of publication
Professional book

More on www.springer.com/978-1-4302-4881-1

Softcover
48,10 €
ISBN 978-1-4302-4881-1

Gewöhnlich versandfertig in 3-5 Werktagen.
Bildverarbeitung für die Medizin 2013

Algorithmen · Systeme · Anwendungen. Proceedings des Workshops vom 3. bis 5. März 2013 in Heidelberg

In den letzten Jahren hat sich der Workshop "Bildverarbeitung für die Medizin" durch erfolgreiche Veranstaltungen etabliert. Ziel ist auch 2013 wieder die Darstellung aktueller Forschungsergebnisse und die Vertiefung der Gespräche zwischen Wissenschaftlern, Industrie und Anwendern. Die Beiträge dieses Bandes · einige davon in englischer Sprache · umfassen alle Bereiche der medizinischen Bildverarbeitung, insbesondere Algorithmen, Hardware- und Software systeme so ein deren klinische Anwendung, u.a.: Bildgebung und -akquisition, Sichtbares Licht, Endoskopie, Mikroskopie, Visualisierung und Animation, Patientenindividuelle Simulation und Planung, Computerunterstützte Diagnose, Biomechanische Analysen, ...}

Features
In den letzten Jahren hat sich der Workshop "Bildverarbeitung für die Medizin" durch erfolgreiche Veranstaltungen etabliert. Ziel ist auch 2013 wieder die Darstellung aktueller Forschungsergebnisse und die Vertiefung der Gespräche zwischen Wissenschaftlern, Industrie und Anwendern. Die Beiträge dieses Bandes · einige davon in englischer Sprache · umfassen alle Bereiche der medizinischen Bildverarbeitung, ...}

Contents
Eingeladene Vorträge · Navigation · Bildanalyse 1 · Segmentierung 1 · Methoden · Registrierung und Simulation · Bildanalyse 2 · Poster Bildanalyse und Bildgebung · Poster Registrierung und Simulation · Poster Segmentierung · Software demos · Segmentierung 2 · Bildgebung · Kategorisierung der Beiträge · Autorenverzeichnis · Stichwortverzeichnis.

Fields of interest
Bildverarbeitung und Computer Vision · Bildverarbeitung, Vision · Mustererkennung und Computergrafik · Mustererkennung · Computeranwendungen in der Medizin

Target groups
Research

Type of publication
Proceedings

More on www.springer.com/978-3-642-36479-2

Softcover
2013. XXl, 376 S. 190 Abb. (Informatik aktuell)
79,99 €
ISBN 978-3-642-36479-2

Gewöhnlich versandfertig in 3-5 Werktagen.

A. Gelbukh, Instituto Politécnico Nacional, Mexico City, Mexico (Ed.)

Computational Linguistics and Intelligent Text Processing

14th International Conference, CICLing 2013, Karlovasi, Samos, Greece, March 24-30, 2013, Proceedings, Part II

14th International Conference, CICLing 2013, Karlovasi, Samos, Greece, March 24-30, 2013, Proceedings, Part II

This two-volume set, consisting of LNCS 7816 and LNCS 7817, constitutes the thoroughly refereed proceedings of the 14th International Conference on Computer Linguistics and Intelligent Processing, CICLING 2013, held on Samos, Greece, in March 2013. The total of 91 contributions presented was carefully reviewed and selected for inclusion in the proceedings. The papers are organized in topical sections named: general techniques; lexical resources; morphology and tokenization; syntax and named entity recognition; word sense disambiguation and coreference resolution; semantics and discourse; sentiment, polarity, subjectivity, and opinion; machine translation and multilingualism; text [...] 

Features
This two-volume set, consisting of LNCS 7816 and LNCS 7817, constitutes the thoroughly refereed proceedings of the 14th International Conference on Computer Linguistics and Intelligent Processing, CICLING 2013, held on Samos, Greece, in March 2013. The total of 91 contributions presented was carefully reviewed and selected for inclusion in the proceedings. The papers are organized in topical sections named: [...] 

Contents
Senti ment, Polarity, Emotion, Subjectivity, and Opinion · Damping Sentiment Analysis in Online Communication: Discussions, Monologs and Dialogs (Invited paper) · Optimal Feature Selection for Sentiment Analysis · Measuring the Effect of Discourse Structure on Sentiment Analysis · Lost in Translation: Viability of Machine Translation for Cross Language Sentiment Analysis · An Enhanced Semantic Tree Kernel for Sentiment Polarity Classification · Combining Supervised and Unsupervised Polarity Classification for non-English Reviews · Word Polarity Detection Using a Multilingual Approach · [...] 

Fields of interest
Anwendung von Informationssystemen (einschl. Internet); Data Mining und Wissensgewinnung; Informationsbeschaffung und -bereitstellung; Künstliche Intelligenz (einschl. Roboter); Datenbankmanagement; Computerlinguistik

Target groups
Research

Type of publication
Proceedings

More on www.springer.com/978-3-642-37246-9

Softcover
2013. XXV, 576 p. 117 illus. (Theoretical Computer Science and General Issues, Band 7817)
84,53 €
ISBN 978-3-642-37255-1

Gewöhnlich versandfertig in 3-5 Werktagen.

A. Gelbukh, Instituto Politécnico Nacional, Mexico City, Mexico (Ed.)

Computational Linguistics and Intelligent Text Processing

14th International Conference, CICLing 2013, Samos, Greece, March 24-30, 2013, Proceedings, Part I

This two-volume set, consisting of LNCS 7816 and LNCS 7817, constitutes the thoroughly refereed proceedings of the 13th International Conference on Computer Linguistics and Intelligent Processing, CICLING 2013, held on Samos, Greece, in March 2013. The total of 91 contributions presented was carefully reviewed and selected for inclusion in the proceedings. The papers are organized in topical sections named: general techniques; lexical resources; morphology and tokenization; syntax and named entity recognition; word sense disambiguation and coreference resolution; semantics and discourse; sentiment, polarity, subjectivity, and opinion; machine translation and multilingualism; text [...] 

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Contents
General Techniques · Unsupervised Feature Adaptation for Cross-Domain NLP with an Application to Compositionality Grading · Syntactic Dependency-Based N-grams: More Evidence of Usefulness in Classification · Lexical Resources · A Quick Tour of BabelNet 1.1 (Invited paper) · Automatic Pipeline Construction for Real-Time Annotation · A Multilingual GRUG Treebank for Underresourced Languages · Creating an Annotated Corpus for Extracting Canonical Citations from Classics-Related Texts by Using Active Annotation · Approaches of Anonymisation of an SMS Corpus · A Corpus Based Approach for the [...] 

Fields of interest
Anwendung von Informationssystemen (einschl. Internet); Data Mining und Wissensgewinnung; Informationsbeschaffung und -bereitstellung; Künstliche Intelligenz (einschl. Roboter); Datenbankmanagement; Computerlinguistik

Target groups
Research

Type of publication
Proceedings

More on www.springer.com/978-3-642-37246-9

Softcover
2013. XXV, 576 p. 117 illus. (Theoretical Computer Science and General Issues, Band 7816)
84,53 €
ISBN 978-3-642-37246-9

Gewöhnlich versandfertig in 3-5 Werktagen.
Computer Vision - ACCV 2012 Workshops

ACCV 2012 International Workshops, Daejeon, Korea, November 5-6, 2012. Revised Selected Papers, Part II

The two volume set, consisting of LNCS 7728 and 7729, contains the carefully reviewed and selected papers presented at the nine workshops that were held in conjunction with the 11th Asian Conference on Computer Vision, ACCV 2012, in Daejeon, South Korea, in November 2012. From a total of 310 papers submitted, 78 were selected for presentation. LNCS 7728 contains the papers selected for the International Workshop on Computer Vision with Local Binary Pattern Variants, the Workshop on Computational Photography and Low-Level Vision, the Workshop on Developer-Centered Computer Vision, and the Workshop on Background Models Challenge. LNCS 7729 contains the papers selected for the Workshop...

Features

The two volume set, consisting of LNCS 7728 and 7729, contains the carefully reviewed and selected papers presented at the nine workshops that were held in conjunction with the 11th Asian Conference on Computer Vision, ACCV 2012, in Daejeon, South Korea, in November 2012. From a total of 310 papers submitted, 78 were selected for presentation. LNCS 7728 contains the papers selected for the International Workshop on...

Contents


Fields of interest

Bildverarbeitung, Vision, Mastererkenntung und Computergrafik; Benutzerschnittstellen und Mensch-Computer-Interaktion; Mediendesign; Geometrie

Target groups

Research

Type of publication

Proceedings

More on www.springer.com/978-3-642-37449-4

Softcover

2013. XXIV, 609 p. 318 illus. (Image-Processing, Computer Vision, Pattern Recognition, and Graphics, Band 7729)
84,53 €
ISBN 978-3-642-37449-4

Gewöhnlich versandfertig in 3-5 Werktagen.

Data Traffic Monitoring and Analysis

From Measurement, Classification, and Anomaly Detection to Quality of Experience

This book was prepared as the Final Publication of COST Action IC0703 “Data Traffic Monitoring and Analysis: theory, techniques, tools and applications for the future networks”. It contains 14 chapters which demonstrate the results, quality, and the impact of European research in the field of TMA in line with the scientific objective of the Action. The book is structured into three parts: network and topology measurement and modelling, traffic classification and anomaly detection, quality of experience.

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Contents


Rechnernetze; Leistungsmessung und -bewertung von Systemen; Anwendung von Informationssystemen (einschl. Internet)

Target groups

Research

Type of publication

Contributed volume

More on www.springer.com/978-3-642-36783-0

Softcover

2013. XVI, 359 p. 121 illus. (Computer Communication Networks and Telecommunications, Band 7754)
57.78 €
ISBN 978-3-642-36783-0

Gewöhnlich versandfertig in 3-5 Werktagen.

Database Systems for Advanced Applications

18th International Conference, DASFAA 2013, Wuhan, China, April 22-25, 2013. Proceedings, Part II

This two volume set LNCS 7825 and LNCS 7826 constitutes the refereed proceedings of the 18th International Conference on Database Systems for Advanced Applications, DASFAA 2013, held in Wuhan, China, in April 2013. The 51 revised full papers and 10 short papers presented together with 2 invited keynote talks, 1 invited paper, 3 industrial papers, 9 demo presentations, 4 tutorials and 1 panel paper were carefully reviewed and selected from a total of 227 submissions. The topics covered in part 1 are social networks, query processing; nearest neighbor search; index; query analysis; XML data management; privacy protection; and uncertain data management; and in part 2: graph data [...]

Features

This two volume set LNCS 7825 and LNCS 7826 constitutes the refereed proceedings of the 18th International Conference on Database Systems for Advanced Applications, DASFAA 2013, held in Wuhan, China, in April 2013. The 51 revised full papers and 10 short papers presented together with 2 invited keynote talks, 1 invited paper, 3 industrial papers, 9 demo presentations, 4 tutorials and 1 panel paper were [...]

Contents


Fields of interest

Datenbankmanagement; Daten Mining und Wissensgewinnung; Informationspeicherung und -bereitstellung; Anwendung von Informationssystemen (einschl. Internet); Multimedia-Informationssysteme; Benutzerschnittstellen und Mensch-Computer-Interaktion

Target groups

Research

Type of publication

Proceedings

More on www.springer.com/978-3-642-37449-4

Softcover

2013. XX, 487 p. 208 illus. (Information Systems and Applications, incl. Internet/Web, and HCI, Band 7826)
74,90 €
ISBN 978-3-642-37449-4

Gewöhnlich versandfertig in 3-5 Werktagen.
Designing for Windows 8
Fundamentals of Great Design in Windows Store Apps

Designing for Windows 8 is a fast-paced, 150-page primer on the key design concepts you need to create successful Windows 8 apps. This book will help you design a user interface that is both delightful and effective, feels right to your users, and encapsulates a great Windows 8 experience. In this book, you will meet the building blocks of solid Windows 8 UI design in a well-designed sample app. Learn how to incorporate key design elements into your apps, such as the app bar, charms and subtle animations from the animation library. Find out how to deliver the core experience that your users expect from Windows 8. Learn how to make your app stand out from […]

Features
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Fields of interest
Benutzerschnittstellen und Mensch-Computer-Interaktion

Target groups
Popular/general

Type of publication
Professional book

More on www.springer.com/978-1-4302-4959-7

Softcover
2013. XII, 152 p.
16,00 €

Gewöhnlich versandfertig in 3-5 Werktagen.

Detection of Intrusions and Malware, and Vulnerability Assessment
9th International Conference, DIMVA 2012, Heraklion, Crete, Greece, July 26-27, 2012, Revised Selected Papers

This book constitutes the refereed post-proceedings of the 9th International Conference on Detection of Intrusions and Malware, and Vulnerability Assessment, DIMVA 2012, held in Heraklion, Crete, Greece, in July 2012. The 10 revised full papers presented together with 4 short papers were carefully reviewed and selected from 44 submissions. The papers are organized in topical sections on malware, mobile security, secure design, and intrusion detection systems (IDS).

Features
This book constitutes the refereed post-proceedings of the 9th International Conference on Detection of Intrusions and Malware, and Vulnerability Assessment, DIMVA 2012, held in Heraklion, Crete, Greece, in July 2012. The 10 revised full papers presented together with 4 short papers were carefully reviewed and selected from 44 submissions. The papers are organized in topical sections on malware, mobile […]

Contents

Fields of interest
System- und Datensicherheit; E-Commerce / E-Business; Rechnernetze; Implementierung von Rechnernetzsystemen

Target groups
Research

Type of publication
Proceedings

More on www.springer.com/978-3-642-37299-5

Softcover
2013. XII, 275 p. 57 illus. (Theoretical Computer Science and General Issues, Band 7832)
49,22 €
ISBN 978-3-642-37299-5

Gewöhnlich versandfertig in 3-5 Werktagen. March 19, 2013

Evolutionary Computation in Combinatorial Optimization
13th European Conference, EvoCOP 2013, Vienna, Austria, April 3-5, 2013, Proceedings

This book constitutes the refereed proceedings of the 13th European Conference on Evolutionary Computation in Combinatorial Optimization, EvoCOP 2013, held in Vienna, Austria, in April 2013, co-located with the Evo* 2013 events EuroGP, EvoBIO, EvoMUSART, and EvoApplications. The 23 revised full papers presented were carefully reviewed and selected from 50 submissions. The papers present the latest research and discuss current developments and applications in metaheuristics - a paradigm to effectively solve difficult combinatorial optimization problems appearing in various industrial, economic, and scientific domains. Prominent examples of metaheuristics are ant colony optimization,[…]

Features
This book constitutes the refereed proceedings of the 13th European Conference on Evolutionary Computation in Combinatorial Optimization, EvoCOP 2013, held in Vienna, Austria, in April 2013, co-located with the Evo* 2013 events EuroGP, EvoBIO, EvoMUSART, and EvoApplications. The 23 revised full papers presented were carefully reviewed and selected from 50 submissions. The papers present the latest research and […]

Contents

Fields of interest
Numerische Datenverarbeitung; Analyse von Algorithmen und Komplexität; Diskrete Mathematik in der Informatik; Virtuelle Maschinen

Target groups
Research

Type of publication
Proceedings

More on www.springer.com/978-3-642-37197-4

Softcover
2013. XII, 243 p. 86 illus. (Security and Cryptology, Band 7591)
49,22 €
ISBN 978-3-642-37197-4

Gewöhnlich versandfertig in 3-5 Werktagen.
### Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics

11th European Conference, EvoBIO 2013, Vienna, Austria, April 3-5, 2013, Proceedings

This book constitutes the refereed proceedings of the 11th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2013, held in Vienna, Austria, in April 2013, collocated with the Evo* 2013 events EuroGP, EvoCOP, EvoMUSART and EvoApplications. The 10 revised full papers presented together with 9 poster papers were carefully reviewed and selected from numerous submissions. The papers cover a wide range of topics in the field of biological data analysis and computational biology. They address important problems in biology, from the molecular and genomic dimension to the individual and population level, often drawing inspiration from...[

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| Multiple Threshold Spatially Uniform Relief for the Genetic Analysis of Complex Human Diseases.- Time-Point Specific Weighting Improves Coexpression Networks from Time-Course Experiments.- Inferring Human Phenotype Networks from Genome-Wide Genetic.- Knowledge-Constrained K-Methods Clustering of Regulatory Rare Alleles for Burden Tests.- Feature Selection and Classification of High Dimensional Mass Spectrometry Data: A Genetic Programming Approach.- Structured Populations and the Maintenance of Sex.- Hybrid Multiobjective Artificial Bee Colony with Differential Evolution Applied to...[

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| Rechnergestützte Biologie / Bioinformatik; Data Mining und Wissensgewinnung; Analyse von Algorithmen und Komplexität; Virtuelle Maschinen |[

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| 2013, XII, 217 p. 64 illus. (Theoretical Computer Science and General Issues, Band 7833) 49,22 € ISBN 978-3-642-37188-2 Gewöhnlich versandfertig in 3-5 Werktagen. |[

### Evolutionary and Biologically Inspired Music, Sound, Art and Design

Second International Conference, EvoMUSART 2013, Vienna, Austria, April 3-5, 2013, Proceedings

This book constitutes the refereed proceedings of the Second International Conference on Biologically Inspired Music, Sound, Art and Design, EvoMUSART 2013, held in Vienna, Austria, in March 2013, collocated with the Evo* 2013 events EuroGP, EvoCOP, EvoMUSART and EvoApplications. The 11 revised full papers and 5 poster papers presented were carefully reviewed and selected from 36 submissions. They cover a wide range of topics and application areas, including: generative approaches to music, graphics, game content, and narrative; robot gait creation; music information retrieval; computational aesthetics; the mechanics of interactive evolutionary computation; and the art theory of...[

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| Benutzerschnittstellen und Mensch-Computer-Interaktion; Analyse von Algorithmen und Komplexität; Künstliche Intelligenz (einschl. Roboter); Datenverarbeitung in Kunst und Geisteswissenschaften |[

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### Fundamentals of Business Process Management

Business Process Management (BPM) is the art and science of how work should be performed in an organization in order to ensure consistent outputs and to take advantage of improvement opportunities, e.g. reducing costs, execution times or error rates. Importantly, BPM is not about improving the way individual activities are performed, but rather about managing entire chains of events, activities and decisions that ultimately produce added value for an organization and its customers. This textbook encompasses the entire BPM lifecycle, from process identification to process monitoring, covering along the way process modeling, analysis, redesign and automation. Concepts, methods and tools...[

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| More on www.springer.com/978-3-642-33142-8 64,15 € ISBN 978-3-642-33142-8 Gewöhnlich versandfertig in 3-5 Werktagen. |[

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**Genetic Programming**

16th European Conference, EuroGP 2013, Vienna, Austria, April 3-5, 2013, Proceedings

This book constitutes the refereed proceedings of the 16th European Conference on Genetic Programming, EuroGP 2013, held in Vienna, Austria, in April 2013 co-located with the Evo* 2013 events, EvoMUSART, EvoCOP, EvoHBO, and EvoApplications. The 18 revised full papers presented together with 5 poster papers were carefully reviewed and selected from 47 submissions. The wide range of topics in this volume reflects the current state of research in the field, including different genres of GP (tree-based, linear, grammar-based, Cartesian), theory, novel operators, and applications.

**Features**

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**Contents**

Adaptive Distance Metrics for Nearest Neighbour Classification Based on Genetic Programming.- Controlling Bloat through Parsimonious Elitist Replacement and Spatial Structure.- Generation of VNS Components with Grammatical Evolution for Vehicle Routing.- Understanding Expansion Order and Phenotypic Connectivity in rGEL.- PhenoGP: Combining Programs to Avoid Code Disruption.- Reducing Wasted Evaluations in Cartesian Genetic Programming.- Balancing Learning and Overfitting in Genetic Programming with Interleaved Sampling of Training Data.- Automated Design of Probability Distributions as...[...

**Fields of interest**

Analyse von Algorithmen und Komplexität; Virtuelle Maschinen; Künstliche Intelligenz (einschl. Roboter); Datenverarbeitung

**Target groups**

Research

**Type of publication**

Proceedings

More on [www.springer.com/978-3-642-37206-3](http://www.springer.com/978-3-642-37206-3)

**Softcover**

2013. XII, 277 p. 99 illus. (Theoretical Computer Science and General Issues, Band 7831)

49,22 €

ISBN 978-3-642-37206-3

Gewöhnlich versandfertig in 3-5 Werktagen.

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**IT-Risikomanagement mit System**

Praxisorientiertes Management von Informationssicherheits- und IT-Risiken

Der praxisbezogene Leitfaden für Informationssicherheits- und IT-Risikomanagement im Unternehmen – branchenneutral und angepasst an die aktuelle Situation der Standardisierung, der IT-Governance mit Bezug auf relevante Rahmenwerke (z. B. COSO und COBIT). Systematisch werden die Risiken rund um die Informationen, IT-Systeme und IT-Dienstleistungen behandelt. Der Leser erhält alles, was zur Analyse und Bewältigung dieser Risiken methodisch erforderlich ist, um es in der Praxis sicher umsetzen zu können. Ein beispielhafter Risikomanagement-Prozess zeigt auf, wie die Informations-Risiken zusammen mit anderen wichtigen Risiken in die Management-Prozesse des Unternehmens einbezogen werden.[...]

**Features**

Der praxisbezogene Leitfaden für Informationssicherheits- und IT-Risikomanagement im Unternehmen – branchenneutral und angepasst an die aktuelle Situation der Standardisierung, der IT-Governance mit Bezug auf relevante Rahmenwerke (z. B. COSO und COBIT). Systematisch werden die Risiken rund um die Informationen, IT-Systeme und IT-Dienstleistungen behandelt. Der Leser erhält alles, was zur Analyse [...]
Information Theory, Combinatorics, and Search Theory

In Memory of Rudolf Ahlswede

This volume is dedicated to the memory of Rudolf Ahlswede, who passed away in December 2010. The Festschrift contains 36 thoroughly refereed research papers from a memorial symposium, which took place in July 2011. The four macro-topics of this workshop: theory of games and strategic planning; combinatorial group testing and database mining; computational biology and string matching; information coding and spreading and patrolling on networks; provide a comprehensive picture of the vision Rudolf Ahlswede put forward of a broad and systematic theory of search.

Features
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Contents
I. Information Theory.- 1 Two New Results for Identification for Sources.- 2 L-Identification for Uniformly Distributed Sources and the q-ary Identification Entropy of Second Order.- 3 Optimal Rate Region of Two-Hop Multiple Access Channel via Amplify-and-Forward Scheme.- 4 Strong Secrecy for Multiple Access Channels.- 5 Capacity Results for Arbitrarily Varying Wiretap Channels.- 6 On Oblivious Transfer Capacity.- 7 Achieving Net Feedback Arbitrarily Varying Wiretap Channels.- 8 Uniformly Generating Gain in the Linear-Deterministic Butterfly Network

Fields of interest
Kodierungs- und Informationstheorie; Diskrete Mathematik in der Informatik; Kombinatorik; Analyse von Algorithmen und Komplexität

Target groups
Research

Type of publication
Contributed volume

More on www.springer.com/978-3-642-36898-1

Java kompakt
Eine Einführung in die Software-Entwicklung mit Java

Das Buch bietet eine knappe, praxisorientierte Einführung in die Programmierung mit Java, die den Stoff einer Erstsemestervorlesung oder einer Java-Umschulung abdeckt ohne umfangreiche Material zu enthalten. Im Gegensatz zu vielen anderen Büchern, die eine enzyklopädische Abhandlung von Java anstreben, soll der Leser unseres Buchs schnell in die Lage versetzt werden, Java Programme zu schreiben und zu verstehen. Das Buch vermittelt alle Grundlagen, die für einen effektiven Einstieg als Java-Programmierer ins Berufseleben oder die akademische Ausbildung benötigt werden. Das Buch basiert auf Vorlesungen, Kursen und Praktika, die an der Ludwig-Maximilians-Universität München...[...]

Features
Das Buch bietet eine knappe, praxisorientierte Einführung in die Programmierung mit Java, die den Stoff einer Erstsemestervorlesung oder einer Java-Umschulung abdeckt ohne umfangreiche Material zu enthalten. Im Gegensatz zu vielen anderen Büchern, die eine enzyklopädische Abhandlung von Java anstreben, soll der Leser unseres Buchs schnell in die Lage versetzt werden, Java Programme zu schreiben und zu [...]
**Kompendium der visuellen Information und Kommunikation**


**Features**


**Contents**


**Fields of interest**

Mediendesign; Dokumentenaufbereitung und Textverarbeitung; Computergrafik

**Target groups**

Professional/practitioner

**Type of publication**

Professional book

More on www.springer.com/978-3-642-35449-6

**Hardcover**


**Learn Java for Android Development**

Android development is hot, and many programmers are interested in joining the fun. However, because this technology is based on Java, you should first obtain a solid grasp of the Java language and its foundational APIs to improve your chances of succeeding as an Android app developer. After all, you will be busy learning the architecture of an Android app, the various Android-specific APIs, and Android-specific tools. If you do not already know Java fundamentals, you will probably end up with a massive headache from also having to quickly cram those fundamentals into your knowledge base.

Learn Java for Android Development, Second Edition teaches programmers of any skill level the[...]

**Features**

Android development is hot, and many programmers are interested in joining the fun. However, because this technology is based on Java, you should first obtain a solid grasp of the Java language and its foundational APIs to improve your chances of succeeding as an Android app developer. After all, you will be busy learning the architecture of an Android app, the various Android-specific APIs, and [...] few fields of interest:

**Informatik (allgemein)**

**Target groups**

Popular/general

**Type of publication**

Professional book

More on www.springer.com/978-1-4302-5722-6

**Softcover**


**META-NET Strategic Research Agenda for Multilingual Europe 2020**

In everyday communication, Europe’s citizens, business partners and politicians are inevitably confronted with language barriers. Language technology has the potential to overcome these barriers and to provide innovative interfaces to technologies and knowledge. This document presents a Strategic Research Agenda for Multilingual Europe 2020. The agenda was prepared by META-NET, a European Network of Excellence. META-NET consists of 60 research centres in 34 countries, who cooperate with stakeholders from economy, government agencies, research organisations, non-governmental organisations, language communities and European universities. META-NET’s vision is high quality language[...]

**Contents**


**Fields of interest**

Sprachübersetzung und Linguistik; Computerlinguistik

**Target groups**

Professional/practitioner

**Type of publication**

Contributed volume

More on www.springer.com/978-3-624-36348-1

**Hardcover**

Models for Intercultural Collaboration and Negotiation

This book is the first to bring together research material from different communities, Computer Science and especially Artificial Intelligence, and Social Sciences, e.g. Anthropology, Social Psychology, Political Science that present ideas and viewpoints, methods and models on inter-cultural collaboration and negotiation. With increasing globalization of business and science, cultural differences of the parties are an important factor that affects the process and outcomes of collaborative and self-interested interactions. The social science literature on culture as well as human collaboration and negotiation is vast. Most of this literature is devoted to work within the same culture.[...]

Features

With increasing globalization of business and science, cultural differences of the parties are an important factor that affects the process and outcomes of collaborative and self-interested interactions. The social science literature on culture, human collaboration and negotiation is mostly devoted to work within the same culture. Computer science and Artificial intelligence researchers have developed [...] Contents


Datenverarbeitung in Sozial- und Verhaltenswissenschaften; Psychologie (allgemein); Maschinelle Intelligenz; Regionen und Kulturen Target groups

Research Type of publication


Music and Human-Computer Interaction

This agenda-setting book presents state of the art research in Music and Human-Computer Interaction (also known as ‘Music Interaction’). Music Interaction research is at an exciting and formative stage. Topics discussed include interactive music systems, digital and virtual musical instruments, theories, methodologies and technologies for Music Interaction. Musical activities covered include composition, performance, improvisation, analysis, live coding, and collaborative music making. Innovative approaches to existing musical activities are explored, as well as tools that make new kinds of musical activity possible. Music and Human-Computer Interaction is stimulating reading for [...] Features

This agenda-setting book presents state of the art research in Music and Human-Computer Interaction (also known as ‘Music Interaction’). Music Interaction research is at an exciting and formative stage. Topics discussed include interactive music systems, digital and virtual musical instruments, theories, methodologies and technologies for Music Interaction. Musical activities covered include composition, [...] Contents


Benutzerschnittstellen und Mensch-Computer-Interaktion; Datenverarbeitung in Kunst und Geisteswissenschaften; Computer und Ausbildung; Spezielle Anwendersysteme; Personal Computing; Computer und Gesellschaft Target groups

Research Type of publication

Oracle Certified Professional Java SE 7 Programmer Exams 1Z0-804 and 1Z0-805

A Comprehensive OCPJP 7 Certification Guide

Oracle Certified Professional Java SE 7 Programmer Exams 1Z0-804 and 1Z0-805 is a concise, comprehensive, step-by-step, and one-stop guide for the Oracle Certified Professional Java SE 7 Programmer Exam. The first two chapters set the stage for exam preparation and let the reader get started quickly. The first chapter answers frequently asked questions about the OCPJP exam. This book assumes that the reader is already familiar with Java fundamentals which is in line with the prerequisite of having a OCAJP certification. The book sports considerable supportive material to help the reader in effective exam preparation in the form of appendices: 2 mock tests to give the reader.[...]

Features
Oracle Certified Professional Java SE 7 Programmer Exams 1Z0-804 and 1Z0-805 is a concise, comprehensive, step-by-step, and one-stop guide for the Oracle Certified Professional Java SE 7 Programmer Exam. The first two chapters set the stage for exam preparation and let the reader get started quickly. The first chapter answers frequently asked questions about the OCPJP exam. [..]

Fields of interest
Informatik (allgemein)

Target groups
Popular/general

Type of publication
Professional book

More on www.springer.com/978-1-4302-4764-7

Softcover
2013. 656 p.
37,40 €

Gewöhnlich versandfertig in 3-5 Werktagen.

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Personal Satellite Services


This book constitutes the thoroughly refereed post-conference proceedings of the 4th International ICST Conference on Personal Satellite Services, PSATS 2012, held in Bradford, UK, in March 2012. The 22 revised full papers presented together with 4 poster sessions were carefully reviewed and selected from various submissions. The papers cover topics such as radio resource management; spectrum/interference management and antenna design; mobility and security; and protocol performance in satellite networks.

Features
This book constitutes the thoroughly refereed post-conference proceedings of the 4th International ICST Conference on Personal Satellite Services, PSATS 2012, held in Bradford, UK, in March 2012. The 22 revised full papers presented together with 4 poster sessions were carefully reviewed and selected from various submissions. The papers cover topics such as radio resource management; spectrum/interference management and antenna design. [..]

Contents

Fields of interest
Rechnernetze; Anwendung von Informationssystemen (einschl. Internet); Administrative Datenverarbeitung; Kommunikationstechnik und -netze; Datenverarbeitung; System- und Datensicherheit

Target groups
Research

Type of publication
Proceedings

More on www.springer.com/978-3-642-36786-1

Softcover
2013. XV, 197 p. 107 illus. (Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, Band 52) 49,22 €
ISBN 978-3-642-36786-1
Gewöhnlich versandfertig in 3-5 Werktagen.

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Pervasive Computing and the Networked World

Joint International Conference, ICPCA-SWS 2012, Istanbul, Turkey, November 28-30, 2012, Revised Selected Papers

This book constitutes the refereed post-proceedings of the Joint International Conference on Pervasive Computing and the Networked World, ICPCA-SWS 2012, held in Istanbul, Turkey, in November 2012. This conference is a merger of the 7th International Conference on Pervasive Computing and Applications (ICPCA) and the 4th Symposium on Web Society (SWS). The 53 revised full papers and 26 short papers presented were carefully reviewed and selected from 143 submissions. The papers cover a wide range of topics from different research communities such as computer science, sociology and psychology and explore both theoretical and practical issues in and around the emerging computing.[..]

Features
This book constitutes the refereed post-proceedings of the Joint International Conference on Pervasive Computing and the Networked World, ICPCA-SWS 2012, held in Istanbul, Turkey, in November 2012. This conference is a merger of the 7th International Conference on Pervasive Computing and Applications (ICPCA) and the 4th Symposium on Web Society (SWS). The 53 revised full papers and 26 short papers presented [...] 

Contents

Fields of interest
Rechnernetze; Spezielle Anwendersysteme; Analyse von Algorithmen und Komplexität; Informationsspeicherung und -bereitstellung

Target groups
Research

Type of publication
Proceedings

More on www.springer.com/978-3-642-37014-4

Softcover
2013. XII, 921 p. 434 illus. (Computer Communication Networks and Telecommunications, Band 7719) 110,21 €
ISBN 978-3-642-37014-4
Gewöhnlich versandfertig in 3-5 Werktagen.
Physical Layer Approaches for Securing Wireless Communication Systems

This book surveys the outstanding work of physical-layer (PHY) security, including the recent achievements of confidentiality and authentication for wireless communication systems by channel identification. A practical approach to building unconditional confidentiality for Wireless Communication security by feedback and error correcting code is introduced and a framework of PHY security based on space time block code (STBC). MIMO system is demonstrated. Also discussed is a scheme which combines cryptographic techniques implemented in the higher layer with the physical layer security approach using redundant antennas of MIMO systems to provide stronger security for wireless networks. [...] 

Features
This book surveys the outstanding work of physical-layer (PHY) security, including the recent achievements of confidentiality and authentication for wireless communication systems by channel identification. A practical approach to building unconditional confidentiality for Wireless Communication security by feedback and error correcting code is introduced and a framework of PHY security based on space time [...] 

Contents

Fields of interest
Rechnernetze; Kommunikationstechnik und -netze; System- und Datensicherheit

Target groups
Research

Type of publication
Brief

More on www.springer.com/978-1-4614-6509-6

Softcover
2013. X, 83 p. 53 illus. (SpringerBriefs in Computer Science) 
42,79 €
ISBN 978-1-4614-6509-6
Gewöhnlich versandfertig in 3-5 Werktagen.

Principles of Data Mining

Data Mining, the automatic extraction of implicit and potentially useful information from data, is increasingly used in commercial, scientific and other application areas. Principles of Data Mining explains and explores the principal techniques of Data Mining: for classification, association rule mining and clustering. Each topic is clearly explained and illustrated by detailed worked examples, with a focus on algorithms rather than mathematical formalism. It is written for readers without a strong background in mathematics or statistics, and any formulae used are explained in detail. This second edition has been expanded to include additional chapters on using frequent pattern trees. [...] 

Features
Data Mining, the automatic extraction of implicit and potentially useful information from data, is increasingly used in commercial, scientific and other application areas. Principles of Data Mining explains and explores the principal techniques of Data Mining: for classification, association rule mining and clustering. Each topic is clearly explained and illustrated by detailed worked examples. [...] 

Contents

Fields of interest
Informationsspeicherung und -bereitstellung; Datenbankmanagement; Künstliche Intelligenz (einschl. Roboter); Programmiertechniken

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-3-642-34206-6

Hardcover
2013. XIV, 440 p. 101 illus. (Undergraduate Topics in Computer Science) 
48,10 €
ISBN 978-3-642-34206-6
Gewöhnlich versandfertig in 3-5 Werktagen.

QoS Management of Web Services

Quality-of-Service (QoS) is normally used to describe the non-functional characteristics of Web services and as a criterion for evaluating different Web services. QoS Management of Web Services presents a new distributed QoS evaluation framework for these services. Moreover, three QoS prediction methods and two methods for creating fault-tolerant Web services are also proposed in this book. It not only provides the latest research results, but also presents an excellent overview of QoS management of Web services, making it a valuable resource for researchers and graduate students in service computing. Zibin Zheng is an associate research fellow at the Shenzhen Research Institute, The [...] 

Features
Quality-of-Service (QoS) is normally used to describe the non-functional characteristics of Web services and as a criterion for evaluating different Web services. QoS Management of Web Services presents an innovative QoS evaluation framework for these services. Moreover, three QoS prediction methods and two methods for creating fault-tolerant Web services are also proposed in this book. It not [...] 

Contents

Fields of interest
Software Engineering; Anwendung von Informationssystemen einschl. Internet; Wirtschaftsinformatik; Verwaltung von Rechner- und Informationssystemen; Rechnernetze

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-3-642-34206-6

Hardcover
2013. XII, 150 p. 51 illus. (Advanced Topics in Science and Technology in China) 
85,59 €
ISBN 978-3-642-34206-6
Gewöhnlich versandfertig in 3-5 Werktagen.
Quantum Computing verstehen

Grundlagen - Anwendungen - Perspektiven

Quantenrechner versprechen ungeahnte Rechenleistung. Quantenverschlüsselungs-Systeme sind sicherer als alle Alternativen. Theoretische Informatiker überdenken die Grundlagen des Rechnens neu - die Forschungen zum Quantencomputer haben die Informatik verändert. Dieses Buch führt anschaulich und auf Beispiele gestützt in die Grundlagen des Quantum Computing ein. Alle wesentlichen Ergebnisse werden detailliert und intuitiv dargestellt. Der Leser erfährt, was er von dieser Technologie erwarten kann und wo ihre Grenzen liegen. Das Besondere an dieser Einführung ist, dass keine speziellen Kenntnisse vorausgesetzt werden. Alle wichtigen Begriffe werden umfassend eingeführt, ein[...]

Features

Quantenrechner versprechen ungeahnte Rechenleistung. Quantenverschlüsselungs-Systeme sind sicherer als alle Alternativen. Theoretische Informatiker überdenken die Grundlagen des Rechnens neu - die Forschungen zum Quantencomputer haben die Informatik verändert. Dieses Buch führt anschaulich und auf Beispiele gestützt in die Grundlagen des Quantum Computing ein. Alle wesentlichen Ergebnisse werden [...]}

Contents


Fields of interest

Diskrete Mathematik in der Informatik; Quantum Computing; Mathematical Applications in Computer Science; Informatik (allgemein)

Target groups

Upper undergraduate

Type of publication

German textbook

More on www.springer.com/978-3-642-36139-5

Radio Frequency Identification: Security and Privacy Issues

8th International Workshop, RFIDSec 2012, Nijmegen, The Netherlands, July 2-3, 2012, Revised Selected Papers

This book constitutes the thoroughly refereed post-workshop proceedings of the 8th International Workshop Radio Frequency Identification: Security and Privacy Issues, RFIDSec 2012, held in Nijmegen, The Netherlands, in July 2012. The 12 revised full papers presented were carefully reviewed and selected from 29 submissions for inclusion in the book. The papers focus on approaches to solve security and data protection issues in advanced contactless technologies.

Features

This book constitutes the thoroughly refereed post-workshop proceedings of the 8th International Workshop Radio Frequency Identification: Security and Privacy Issues, RFIDSec 2012, held in Nijmegen, The Netherlands, in July 2012. The 12 revised full papers presented were carefully reviewed and selected from 29 submissions for inclusion in the book. The papers focus on approaches to solve security and data protection issues in advanced contactless technologies.

Contents


Fields of interest

System- und Daten sicherheit; Datenverschlüsselung; Administrative Datenverarbeitung; E-Commerce / E-Business; Rechnernetze; Spezielle Anwendernsysteme

Target groups

Research

Type of publication

Proceedings

More on www.springer.com/978-3-642-36139-5

Real-Time C++

Efficient Object-Oriented and Template Microcontroller Programming

The C++ language has powerful object-oriented and template features that can improve software design and portability while simultaneously reducing code complexity and the risk of error. Furthermore, C++ compiles highly efficient native code. This unique and effective combination makes C++ well-suited for programming microcontroller systems that require compact size, high performance and safety-critical reliability. With this book, Chris Kornanyos delivers a highly practical guide to programming real-time embedded microcontroller systems in C++. It is divided into three parts plus several appendices. Part I provides a foundation for real-time C++ by covering language technologies[...]

Features

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Fields of interest

Spezielle Anwendersysteme; Leistungsmessung und -bewertung von Systemen; Implementierung von Rechnersystemen; Software Engineering; Kontrollstrukturen und Mikroprogrammierung

Target groups

Professional/practitioner

Type of publication

Monograph

More on www.springer.com/978-3-642-34687-3

Efficient Object-Oriented and Template Microcontroller Programming

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Fields of interest

Spezielle Anwendersysteme; Leistungsmessung und -bewertung von Systemen; Implementierung von Rechnersystemen; Software Engineering; Kontrollstrukturen und Mikroprogrammierung

Target groups

Professional/practitioner

Type of publication

Monograph

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Fields of interest

Spezielle Anwendersysteme; Leistungsmessung und -bewertung von Systemen; Implementierung von Rechnersystemen; Software Engineering; Kontrollstrukturen und Mikroprogrammierung
Research in Computational Molecular Biology
17th Annual International Conference, RECOMB 2013, Beijing, China, April 7-10, 2013. Proceedings

This book constitutes the refereed proceedings of the 17th Annual International Conference on Research in Computational Molecular Biology, RECOMB 2013, held in Beijing, China, in April 2013. The 32 revised full papers were carefully reviewed and selected from 167 submissions. The papers cover a wide range of topics including molecular sequence analysis; genes and regulatory elements; molecular evolution; gene expression; biological networks; sequencing and genotyping technologies; genomics; epigenomics; metagenomics; population, statistical genetics; systems biology; computational proteomics; computational structural biology; imaging; large-scale data management.

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The Influence of Technology on Social Network Analysis and Mining

The study of social networks was originated in social and business communities. In recent years, social network research has advanced significantly; the development of sophisticated techniques for Social Network Analysis and Mining (SNAM) has been highly influenced by the online social Web sites, email logs, phone logs and instant messaging systems, which are widely analyzed using graph theory and machine learning techniques. People perceive the Web increasingly as a social medium that fosters interaction among people, sharing of experiences and knowledge, group activities, community formation and evolution. This has led to a rising prominence of SNAM in academia, politics, homeland [...]
Web and Wireless Geographical Information Systems

12th International Symposium, W2GIS 2013, Banff, Canada, April 4-5, 2013, Proceedings

This book constitutes the refereed conference proceedings of the 12th International Symposium, W2GIS 2013, held in Banff, Canada, in April 2013. The 11 revised full papers and 5 short papers presented were carefully selected from 28 submissions. The program covers a wide range of topics including Spatial Semantics and Databases, Location-based Services and Applications, Trajectory Representation and Sensor Web, Spatial Analysis and Systems and Map Generation and Modeling.

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Contents

Fields of interest
Datenbankmanagement; Informationsspeicherung und -bearbeitung; Anwendung von Informationsystemen (einschl. Internet); Multimedia-Informationsysteme; Rechnernetze; Benutzerzuschnittsetzung und Mensch-Computer-Interaktion

Target groups
Professional/practitioner

Type of publication
Proceedings

More on www.springer.com/978-1-4302-5065-4

Softcover
ISBN 978-1-4302-5065-4

Gewöhnlich versandfertig in 3-5 Werktagen.

Windows 8 App Projects - XAML and C# Edition

Become a leading Windows 8 app developer by using Windows 8 App Projects - XAML and C# Edition to learn techniques, tools, and ideas to create successful, 5-star apps. Windows 8 App Projects - XAML and C# Edition shows you the nuts and bolts of the Windows 8 development ecosystem. Then, through a series of example driven chapters, you’ll discover how to leverage the platform’s unique features. With each project, you’ll be one step closer to building full-featured, responsive, and well designed apps that feel like they’re a part of the operating system. Windows 8 App Projects - XAML and C# Edition is a great book for developers that already know their way around the .net framework.[...]

Features
Become a leading Windows 8 app developer by using Windows 8 App Projects - XAML and C# Edition to learn techniques, tools, and ideas to create successful, 5-star apps. Windows 8 App Projects - XAML and C# Edition shows you the nuts and bolts of the Windows 8 development ecosystem. Then, through a series of example driven chapters, you’ll discover how to leverage the platform’s unique features. With each project, you’ll be one step closer to building full-featured, responsive, and well designed apps that feel like they’re a part of the operating system. Windows 8 App Projects - XAML and C# Edition is a great book for developers that already know their way around the .net framework.[...]

Fields of interest
Informatik (allgemein)

Target groups
Popular/general

Type of publication
Professional book

More on www.springer.com/978-1-4302-5065-4

Your Virtual Butler

The Making-of

In most scenarios of the future a personalized virtual butler appears. This butler not only performs communication and coordination tasks but also gives recommendations on how to handle everyday problems. The aim of this book is to explore the prerequisites of such a personalized virtual butler by asking: what is known about the capacities and the needs of aging people; which information and communication technologies have been used in assisting/abating with persons, especially older ones, and what were the results; what are the advantages/disadvantages of virtual butlers as mainly software programs compared robots as butlers; and which methods, especially in artificial[...]

Features
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Contents
From Jeeves to Jeannie to Siri, and Then?.- Part I: Psychological and Social Considerations.- Would a Virtual Butler Do a Good Job for Old People? Psychological Considerations about Benefits and Risks of Technological Assistance.- Framing the Invisible – The Social Background of Trust.- Part II: Experiences with/Prerequisites for Virtual or Robotic Companions.- Virtual Butler: What Can We Learn from Adaptive User Interfaces?.- Towards Affect Sensitive and Socially Perceptive Companions.- Before We Get There, Where Are We Going?.- Virtual Helper or Virtual Card Player? Contrasting[...]

Fields of interest
Künstliche Intelligenz (einschl. Roboter); Benutzerschnittstellen und Mensch-Computer-Interaktion; Computer und Gesellschaft

Target groups
Research

Type of publication
Contributed volume

More on www.springer.com/978-3-642-37345-9

Softcover
2013. XVI, 187 p. 42 illus. (Lecture Notes in Artificial Intelligence, Band 7407)
49,22 €
ISBN 978-3-642-37345-9

Gewöhnlich versandfertig in 3-5 Werktagen.
### Life Sciences

**Agroecology**

This book represents an interdisciplinary approach to the relevant aspects of agricultural production related to the interactions between natural processes, human activities and the environment. It provides condensed and comprehensive knowledge on the functions of various agroecosystems at the field, landscape and global scale. Understanding and integrating complex ecological processes into field production, land management and food systems is essential in order to deal with the challenges of modern crop and livestock production: the need for food security for the growing human population, and the necessity to combat the detrimental effects of food production on the environment. The...

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**Fields of interest**

Agrarwissenschaften; Ökologie; Ökosysteme; Landschaftsökologie; Geographie (allgemein); Biogeowissenschaften

**Target groups**

Upper undergraduate

**Type of publication**

Undergraduate textbook

More on [www.springer.com](http://www.springer.com)

**Hardcover**

2013, X, 330 p. 201 illus.

74.85 €

ISBN 978-94-007-5916-9

**Gewöhnlich versandfertig in 3-5 Werktagen.**

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**Cadmium: From Toxicity to Essentiality**

Volume 11 provides in an authoritative and timely manner in 16 stimulating chapters, written by 40 internationally recognized experts from 11 nations, and supported by more than 2600 references, 35 tables, and over 100 illustrations, many in color, a most up-to-date view on the role of cadmium for life, presently a vibrant research area. MILS-11 covers the bioinorganic chemistry of Cd(II), its biogeochemistry, anthropogenic release into the environment, and speciation in the atmosphere, waters, soils, and sediments. The analytical tools for Cd determination, its imaging in cells, and the use of 113Cd NMR to probe Zn(II) and Ca(II) proteins are summarized, as are Cd(II) interactions...

**Features**

Cadmium: From Toxicity to Essentiality, MILS-11 provides in an authoritative and timely manner in 16 stimulating chapters, written by 40 internationally recognized experts from 11 nations, and supported by more than 2600 references, 35 tables, and over 100 illustrations, many in color, a most up-to-date view on the role of cadmium for life, presently a vibrant research area. MILS-11 covers the...

**Contents**


**Fields of interest**

Proteinforschung ; Biomedizin (allgemein); Analytische Chemie; Anorganische Chemie; Wissenschaft

**Target groups**

Research

**Type of publication**

Contributed volume

More on [www.springer.com](http://www.springer.com)

**Hardcover**

2013, X, 506 p. 128 illus., 43 in color. (Metal Ions in Life Sciences, Band 11)

181,85 €

ISBN 978-94-007-5178-1

**Gewöhnlich versandfertig in 3-5 Werktagen.**
T. de Saussure

**Chemical Research on Plant Growth**

A translation of Théodore de Saussure’s Recherches chimiques sur la Végétation

Recherches Chimiques sur la Végétation was a seminal work in the development of understanding of photosynthesis and plant chemistry. The original publication, which was the first concise summary of the basics of plant nutrition, was a landmark in plant science. It was twice translated into German during the nineteenth century, but no English translation had been published. This translation will interest those in the plant, chemical, agricultural, and soil sciences, and the history of science, who wish to learn more about the early research on photosynthesis and plant science. Nicholas-Théodore de Saussure, a Swiss plant physiologist and plant chemist, was the last of the early pioneers of photosynthesis research. His most important contributions were the demonstration that water is a component of plant dry matter; that plants obtain their carbon from the carbon dioxide of the air, not from carbonic acid dissolved in the soil water, as most of his contemporaries believed; and [...]  

**Contents**

Foreword. Acknowledgments. - About the Translator. - Brief Biography of Théodore de Saussure. - I. Introduction. - A. Plant nutrition concepts before the pioneering research on photosynthesis. - B. Contributions to knowledge of plant nutrition and physiology by the photosynthesis pioneers who preceded Théodore de Saussure. - C. De Saussure provides extensive quantitative data to address the important questions. - D. De Saussure’s work enables completion of the overall chemical equation for photosynthesis. - E. Critical reception of Recherches chimiques sur la Végétation, its legacy, and [...]  

**Fields of interest**

Botanik; Pflanzenbiochemie; Pflanzenanatomie / -entwicklung; Pflanzenphysiologie  

**Target groups**

Research  

**Type of publication**

Monograph

**Hardcover**

2013, XII, 192 p. 7 illus. 160,45 €  

Gewöhnlich versandfertig in 3-5 Werktagen.

M.L. East, Institute for Zoo and Wildlife Research, Berlin, Germany; M. Dehnhard, Institute for Zoo and Wildlife Research, Berlin, Germany (Eds.)

**Chemical Signals in Vertebrates 12**

Three invited international experts present overviews of recent developments in key fields and will submit chapters for the book. Jane Hurst from Liverpool University in the UK presents an overview on the function, mechanisms and evolution of chemical signals, Penelope Hawkins from the University of Western Australia will detail the importance of male odors in female mate-choice and the priming of female reproduction, and Francesco Bonadonna from CNRS-CEFE, Montpellier in France presents an overview of the importance of chemical signals for the formation and maintenance of pair-bonds, parent – offspring recognition and navigation in seabirds. Select submissions are invited by the [...]  

**Features**

This volume presents the proceedings of “Chemical Signals in Vertebrates 12”, hosted by the Leibniz Institute for Zoo and Wildlife Research and held between 28th – 31st August, 2011 at the Schloss Friedrichsfelde and the Leibniz Institute for Zoo and Wildlife Research, Berlin, Germany. Chemical Signals in Vertebrates 12 contains the latest research on chemical [...]  

**Contents**


**Fields of interest**

Tierökologie; Tierbiochemie; Ökologie  

**Target groups**

Graduate  

**Type of publication**

Contributed volume


**Hardcover**

2013, XVII, 466 p. 99 illus., 26 in color.  
117,65 €  

Gewöhnlich versandfertig in 3-5 Werktagen.

I.R. Phillips, University of London, UK; E.A. Sheppard, University College London, UK; P.R. Ortiz de Montellano, University of California, San Francisco, CA, USA (Eds.)

**Cytochrome P450 Protocols**

Cytochromes P450 (CYPs) comprise a large superfamily of proteins that are of central importance in the detoxification or activation of a tremendous number of natural and synthetic hydrophobic xenobiotics, including many therapeutic drugs, chemical carcinogens and environmental pollutants. CYPs are important in mediating interactions between an organism and its chemical environment and in the regulation of physiological processes. Cytochrome P450 Protocols, Third Edition focuses on high-throughput methods for the simultaneous analysis of multiple CYPs, substrates or ligands. Although the emphasis is on CYPs of mammalian origin, it reflects an increasing interest in CYPs of bacterial [...]  

**Features**

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**Contents**


**Fields of interest**

Proteinforschung ; Protein-Ligand-Interaktionen  

**Target groups**

Professional/practitioner  

**Type of publication**

Contributed volume

More on www.springer.com/978-1-62703-320-6

**Hardcover**

2013, XII, 319 p. 53 illus., 31 in color. (Methods in Molecular Biology, Band 987)  
117,65 €  

Gewöhnlich versandfertig in 3-5 Werktagen.
Diagnostics in Plant Breeding

“Diagnostics in Plant Breeding” is systematically organizing cutting-edge research reviews on the development and application of molecular tools for the prediction of plant performance. Given its significance for mankind and the available research resources, medical sciences are leading the area of molecular diagnostics, where DNA-based risk assessments for various diseases and biomarkers to determine their onset become increasingly available. So far, most research in plant genomics has been directed towards understanding the molecular basis of biological processes or phenotypic traits. From a plant breeding perspective, however, the main interest is in predicting optimal genotypes.[…]

Features
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Contents
Section 1. Introduction. - Chapter 1. Diagnostics in plants; T. Lübberstedt. - Chapter 2. Non-DNA biomarkers; Christin Falke. - Section 2. Identification of quantitative trait polymorphisms (QTPs). - Chapter 3. Gene identification: forward genetics; Qing Ji. - Chapter 4. Gene identification: reverse genetics; George Haughn. - Chapter 5. Allele re-sequencing technologies; Torben Asp. - Chapter 6. Association studies; Yongsheng Chen. - Section 3. Validation of QTPs. - Chapter 7. TILLING; Gunter Backes. - Chapter 8. Gene Replacement; Paul Hooykaas, Sylvia de Pater. - Section 4. Conversion of QTPs[…].

Fields of interest
Pflanzenzucht / Biotechnologie; Pflanzengenetik und Genomik; Botanik; Agrarwissenschaften; Biologie (allgemein); Biodiversität

Target groups
Research

Type of publication
Contributed volume

More on www.springer.com/978-94-007-5686-1

Hardcover

Dictyostelium discoideum Protocols

Dictyostelium discoideum is a well-establish eukaryotic model organism that offers unique advantages for studying fundamental cellular processes, including signal transduction, random and directed cell motility, cytokinesis, endocytosis and vesicle transport and development. Dictyostelium is also increasingly used for the investigation of human disease genes and the crosstalk between host and pathogen. The availability of the genome sequence at a mouse click together with a whole range of supporting information and resources along with a powerful armoury of molecular genetics techniques have considerably enhanced the experimental attractiveness of D. discoideum in recent years. The[…]..

Features
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Contents

Fields of interest
Mikrobiologie; Eukaryonten-Mikrobiologie

Target groups
Professional/practitioner

Type of publication
Contributed volume


Hardcover

Distribution Ecology

From Individual Habitat Use to Species Biogeographical Range

This book brings together a set of approaches to the study of individual-species ecology based on the analysis of spatial variations of abundance. Distribution ecology assumes that ecological phenomena can be understood when analyzing the extrinsic (environmental) or intrinsic (physiological constraints, population mechanisms) that correlate with this spatial variation. Ecological processes depend on geographical scales, so their analysis requires following environmental heterogeneity. At small scales, the effects of biotic factors of ecosystems are strong, while at large scales, abiotic factors such as climate, govern ecological functioning. Responses of organisms also depend on[…]

Features

Contents

Fields of interest
Tierökologie; Landschaftsökologie; Gesellschafts- und Populationsoökologie; Ökosysteme; Biodiversität

Target groups
Graduate

Type of publication
Monograph


Hardcover
Edible Medicinal And Non-Medicinal Plants

Volume 6, Fruits

This book continues as volume 6 of a multi-compendium on Edible Medicinal and Non-Medicinal Plants. It covers edible fruits/seeds used fresh, cooked or processed into other food products, or used as vegetables, cereals, spices, stimulants, edible oils and beverages. It covers selected species from the following families: Sapindaceae, Sapotaceae, Schisandraeae, Solanaceae, Thymelaeaceae, Urticaceae, Vitaceae and Winteraceae. This work will be of significant interest to scientists, researchers, medical practitioners, pharmacologists, ethnobotanists, horticulturists, food nutritionists, agriculturists, botanists, conservationists, lecturers, students and the general public. Topics covered [...] 

Features

This book continues as volume 6 of a multi-compendium on Edible Medicinal and Non-Medicinal Plants. It covers edible fruits/seeds used fresh, cooked or processed into other food products, or used as vegetables, spices, stimulants, edible oils and beverages. It covers selected species from the following families: Sapindaceae, Sapotaceae, Schisandraeae, Solanaceae, Thymelaeaceae, Urticaceae, Vitaceae [...] 

Contents


Fields of interest
Botanik; Agrarwissenschaften; Biomedizin (allgemein); Medizin (allgemein); Biodiversität; Chemie (allgemein) 

Target groups
Research 

Type of publication
Monograph 

More on www.springer.com/978-94-007-5627-4 

Hardcover
2013. XI, 606 p. 255 illus., 89 in color. 181,85 € 
ISBN 978-94-007-5627-4 

Gewöhnlich versandfertig in 3-5 Werktagen. 

Enzyme Engineering

Methods and Protocols

Whether the pursuit is commercially motivated or purely academic, engineering a novel biological catalyst is an exciting challenge. High-resolution protein structure analysis allows for rational alteration of enzyme function, yet many useful enzyme variants are the product of well-designed selection schemes or screening strategies. Enzyme Engineering: Methods and Protocols provides guidance to investigators wishing to create enzyme variants with desired properties. This detailed volume covers such topics as a simple method for generating site-specific mutations within bacterial chromosomes. It also highlights the engineering of two diﬀerence types of rare-cutting endonucleases that [...] 

Features

Whether the pursuit is commercially motivated or purely academic, engineering a novel biological catalyst is an exciting challenge. High-resolution protein structure analysis allows for rational alteration of enzyme function, yet many useful enzyme variants are the product of well-designed selection schemes or screening strategies. Enzyme Engineering: Methods and Protocols provides guidance to [...] 

Contents


Fields of interest
Biochemie; Enzymologie 

Target groups
Professional/practitioner 

Type of publication
Contributed volume 

More on www.springer.com/978-1-62703-292-6 

Hardcover
2013. XI, 252 p. 52 illus., 19 in color. (Methods in Molecular Biology, Band 978) 101,60 € 
ISBN 978-1-62703-292-6 

Gewöhnlich versandfertig in 3-5 Werktagen. 

Evolution of Extracellular Matrix

The evolution of single cells into multicellular organisms was mediated, in large part, by the extracellular matrix. The proteins and glycoconjugates that make up the extracellular matrix provide structural support to cellular complexes, facilitate cell adhesion and migration, and impart mechanical properties that are important for tissue function. Each class of ECM macromolecule has evolved to incorporate distinctive properties that are defined by conserved modules that are mixed together to achieve appropriate function. This volume provides a comprehensive analysis of how the major ECM components evolved over time in order to fill their specific roles found in modern organisms. The [...] 

Features

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Contents


Fields of interest
Zellbiologie; Evolutionsbiologie; Zellphysiologie 

Target groups
Research 

Type of publication
Monograph 

More on www.springer.com/978-3-642-36001-5 

Hardcover
2013. IX, 290 p. 50 illus., 23 in color. (Biology of Extracellular Matrix) 149,79 € 
ISBN 978-3-642-36001-5 

Gewöhnlich versandfertig in 3-5 Werktagen. 

J.C. Samuelson, New England Biolabs, Inc., Ipswich, MA, USA (Ed.) 
F.W. Keeley, Hospital for Sick Children, Toronto, ON, Canada; R.P. Mecham, Washington University, St. Louis, MO, USA (Eds.)
Extracellular Matrix in Development

Cells in the developing embryo depend on signals from the extracellular environment to help guide their differentiation. An important mediator in this process is the extracellular matrix – secreted macromolecules that interact to form large protein networks outside the cell. During development, the extracellular matrix serves to separate adjacent cell groups, participates in establishing morphogenic gradients, and, through its ability to interact directly with cell-surface receptors, provides developmental clocks and positional information. This volume discusses how the extracellular matrix influences fundamental developmental processes and how model systems can be used to elucidate [...] 

Features
Cells in the developing embryo depend on signals from the extracellular environment to help guide their differentiation. An important mediator in this process is the extracellular matrix – secreted macromolecules that interact to form large protein networks outside the cell. During development, the extracellular matrix serves to separate adjacent cell groups, participates in establishing morphogenic [...] 

Contents
Part I Informational signals in extracellular matrix and matrix influences on cell movement in the developing embryo. - Part II Extracellular matrix-direct morphogenesis, growth factor signaling, and maintenance of the stem cell niche. - Part III Model organisms and the lexicon of developmental signals associated with the extracellular matrix. 

Fields of interest
Entwicklungbiologie; Zellbiologie; Regenerative Medicine/Tissue Engineering; Cytokine und Wachstumsfaktoren; Stammzellen 

Target groups
Research 

Type of publication
Monograph 

More on www.springer.com/978-3-642-35934-7 

Hardcover 
2013. X, 253 p. 41 illus., 37 in color. (Biology of Extracellular Matrix) 
149,79 € 
ISBN 978-3-642-35934-7 
Gewöhnlich versandfertig in 3-5 Werktagen. 

Management of Microbial Resources in the Environment

This volume details the exploration, collection, characterization, evaluation and conservation of microbes for sustainable utilization in the development of the global as well as national economies, e.g. in agriculture, ecosystems, environments, industry and medicine. Many research institutes and universities all over the world carry out microbiological and biotechnological research, which generates substantial genomic resources such as cDNA libraries, gene constructs, promoter regions, transgenes and more valuable assets for gene discovery and transgenic product development. This work provides up-to-date information on the management of microbial resources in the environment. It [...] 

Features
This volume details the exploration, collection, characterization, evaluation and conservation of microbes for sustainable utilization in the development of the global as well as national economies, e.g. in agriculture, ecosystems, environments, industry and medicine. Many research institutes and universities all over the world carry out microbiological and biotechnological research, which generates [...] 

Contents

Fields of interest
Mikrobielle Ökologie; Biotechnologie; Angewandte Mikrobiologie; Mikroorganismen; Genomik; Agrarwissenschaften; Umweltmanagement 

Target groups
Research 

Type of publication
Contributed volume 


Hardcover 
2013. XII, 530 p. 34 illus. 
160,45 € 
Gewöhnlich versandfertig in 3-5 Werktagen. 

Microbiological Research In Agroecosystem Management

Agroecosystem is an ideal dynamic functional system with a set of chemical and biological interaction taking place in plant surface either below or above the ground levels. These levels of interaction activities fundamentally with microorganism-plant-soil systems are extended up to the level of entire agricultural economy. Greatly simplified, the agroecosystems control the various range of energy flux, resources exchange, organic and inorganic nutrient budgets and population dynamics. The main aim of this edited volume is to provide a broad spectrum of agroecosystems structure, function and maintenance involved in microbial research. This book consists of 20 full length[...]

Features
Agroecosystem is an ideal dynamic functional system with a set of chemical and biological interaction taking place in plant surface either below or above the ground levels. These levels of interaction activities fundamentally with microorganism-plant-soil systems are extended up to the level of entire agricultural economy. Greatly simplified, the agroecosystems control the various range of energy flux. [...] 

Contents

Fields of interest
Agrarwissenschaften; Mikrobiologie; Ver Schmutzung; Mikrobielle Ökologie; Abwassertechnik / Gewässerschutz / Wasserrwirtschaft 

Target groups
Research 

Type of publication
Contributed volume 

More on www.springer.com/978-81-322-1086-3 

Hardcover 
2013. XVI, 326 p. 135 illus., 67 in color. 
160,49 € 
ISBN 978-81-322-1086-3 
Gewöhnlich versandfertig in 3-5 Werktagen.
Oxidative Stress and Redox Regulation

Many physiological conditions such as host defense or aging and pathological conditions such as neurodegenerative diseases, and diabetes are associated with the accumulation of high levels of reactive oxygen species and reactive nitrogen species. This generates a condition called oxidative stress. Low levels of reactive oxygen species, however, which are continuously produced during aerobic metabolism, function as important signaling molecules, setting the metabolic pace of cells and regulating processes ranging from gene expression to apoptosis. For this book we would like to recruit the experts in the field of redox chemistry, bioinformatics and proteomics, redox signaling and [...] Features

Many physiological conditions such as host defense or aging and pathological conditions such as neurodegenerative diseases, and diabetes are associated with the accumulation of high levels of reactive oxygen species and reactive nitrogen species. This generates a condition called oxidative stress. Low levels of reactive oxygen species, however, which are continuously produced during aerobic metabolism, [...] Contents

Chapter 1 The Chemistry of Thiol Oxidation and Detection. - Chapter 2 Radical Scavenging by Thiols and the Fate of Thyl Radicals. - Chapter 3 Redox Homeostasis. - Chapter 4 Sulfenic Acids and Peroxiredoxins in Oxidant Defense and Signaling. - Chapter 5 Fluorescent imaging of redox species in multicellular organisms. - Chapter 6 Redox Proteomics. - Chapter 7 Computational redox biology: methods and applications. - Chapter 8 Redox regulation in plants: Glutathione and "Redoxin" related families. - Chapter 9 Prokaryotic Redox Switches. - Chapter 10 Combating Oxidative/Nitrosative Stress with [...] Fields of interest Oxidative Stress; Medizinische Biochemie; Zellphysiologie; Posttranslationale Modifikation; Systembiologie

Target groups Research

Type of publication Contributed volume

More on www.springer.com/978-3-642-35563-9


Gewöhnlich versandfertig in 3-5 Werktagen.

D.K. Gupta, Belgian Nuclear Research Centre, Mol, Belgium (Ed.)

Plant-Based Remediation Processes

Phytoremediation is an emerging technology that employs higher plants for the clean-up of contaminated environments. Basic and applied research have unequivocally demonstrated that selected plant species possess the genetic potential to accumulate, degrade, metabolize and immobilize a wide range of contaminants. The main focus of this volume is on the recent advances of technologies using green plants for remediation of various metals and metalloids. Topics include biomonitoring of heavy metal pollution, amendments of higher uptake of toxic metals, transport of heavy metals in plants, and toxicity mechanisms. Further chapters discuss agro-technological methods for minimizing pollution [...] Features Phytoremediation is an emerging technology that employs higher plants for the clean-up of contaminated environments. Basic and applied research have unequivocally demonstrated that selected plant species possess the genetic potential to accumulate, degrade, metabolize and immobilize a wide range of contaminants. The main focus of this volume is on the recent advances of technologies using green plants [...] Contents Phytoremediation protocols: An overview. - Protocols for applying phytotechnologies in metal contaminated soils. - Metal/metalloid phytoremediation: Ideas and future. - Remediation mechanisms of tropical plants for lead contaminated environment. - Impact of metal/metalloid contaminated areas on plant growth. - Metal remediation via in vitro root cultures. - Use of wetland plants in bioaccumulation of heavy metals. - A multi-disciplinary challenge for phytoremediation of metal-polluted pyrite waste. - Phyto-transport and assimilation of selenium. - Phytostabilization as soil remediation [...] Fields of interest Pflanzenphysiologie; Bodenschutz ; Ummweltverschmutzung; Agrarwissenschaften; Pflanzenbiochemie

Target groups Research

Type of publication Contributed volume

More on www.springer.com/978-3-642-35563-9


Gewöhnlich versandfertig in 3-5 Werktagen.

U. Jakob, University of Michigan; Ann Arbor; MI; USA; D. Reichmann, University of Michigan; Ann Arbor; MI USA (Eds.)

Protein Nanotechnology

Protocols, Instrumentation, and Applications, Second Edition

Since the first edition of Protein Nanotechnology Protocols Instruments and Applications the intersection of protein science and nanotechnology has become an exciting frontier in interdisciplinary sciences. The second edition of Protein Nanotechnology Protocols Instruments and Applications expands upon the previous editions with current, detailed chapters that provide examples of proteins which are now being harnessed for a wide range of applications, some more developed than others. This book also delves into engineering proteins and an overview of the sorts of tools that are now readily available to manipulate the structure and function of proteins, both rationally and using methods [...] Features Since the first edition of Protein Nanotechnology Protocols Instruments and Applications the intersection of protein science and nanotechnology has become an exciting frontier in interdisciplinary sciences. The second edition of Protein Nanotechnology Protocols Instruments and Applications expands upon the previous editions with current, detailed chapters that provide examples of proteins [...] Contents Protein Nanotechnology – What is it? - Bioengineered Silk Proteins to Control Cell and Tissue Functions. - Aqueous-based Spinning of Fibers from Self-Assembling Structural Proteins. - Fibrous Protein Nanofibres. - Self-assembling Nanomaterials: Monitoring the Formation of Amyloid Fibris, with a Focus on Small Angle X-ray Scattering. - Amyloid Fibris from Readily Available Sources: Milk Casein and Lens Crystallin Proteins. - Formation of Amphipathic Amyloid Monolayers from Fungal Hydrophobin Proteins. - Proteins and Peptides as Biological Nanowires: Towards Biosensing Devices. [...] Fields of interest Proteinforschung ; Nanotechnologie

Target groups Professional/practitioner

Type of publication Contributed volume

More on www.springer.com/978-1-62703-353-4


Gewöhnlich versandfertig in 3-5 Werktagen.
Proteins of the Nucleolus
Regulation, Translocation, & Biomedical Functions
This book contains 14 original review chapters each yielding new, exciting and intriguing data about the emerging understanding of nucleolar structure and function in normal, stressed and diseased cells. The goal of this work is to provide special insight into the nucleolus of the past, present and future, as well its regulation, translocation, and biomedical function. A multitude of topics are introduced and discussed in detail, including nucleologenesis, nucleolar architecture, nucleolar targeting, retention, anchoring, translocation, and the relationship between the nucleolus and cancer. This book also brings together work from several different species, from human to Drosophila to[...]

Contents
Part I Introduction.- Ch 1 Proteins of the nucleolus.- Part II The nucleus and nucleolar proteins.- Ch 2 Functional consequences of nuclear and nucleolar architecture.- Ch 3 rDNA and nucleologenesis in Drosophila.- Ch 4 The nucleus of Dicyostelium and other lower eukaryotes.- Ch 5 Human rDNA and nucleologenesis in Drosophila.- Ch 6 Chromatin organization and the mammalian nucleolus.- Ch 7 Chaperones and multitasking proteins in the nucleolus.- Ch 8 Nucleolar localization/retention signals.- Ch 9 Nucleolar transport of putative GTPase GNL1 and related proteins.- Ch 10 Nucleolar protein anchoring and[...]

Fields of interest
Proteinforschung; Krebsforschung; Biomedizin (allgemein); Biologische Mikroskopie

Target groups
Research

Type of publication
Contributed volume

More on www.springer.com/978-94-007-5817-9

Hardcover
2013. VI, 371 p. 56 illus., 26 in color.
160,45 €
ISBN 978-94-007-5817-9

Gewöhnlich versandfertig in 3-5 Werktagen.

Salt Stress in Plants
Signalling, Omics and Adaptations
Environmental conditions and changes, irrespective of source, cause a variety of stresses, one of the most prevalent of which is salt stress. Excess amount of salt in the soil adversely affects plant growth and development, and impairs production. Nearly 20% of the world’s cultivated area and nearly half of the world’s irrigated lands are affected by salinity. Processes such as seed germination, seedling growth and vigour, vegetative growth, flowering and fruit set are adversely affected by high salt concentration, ultimately causing diminished economic yield and also quality of produce. Most plants cannot tolerate salt stress. High salt concentrations decrease the osmotic potential[...]

Features
Among abiotic stresses, soil salinity and sodality are major problems limiting plant growth and productivity. These problems are of great concern for countries whose economies rely on agriculture. Currently more than 100 countries are adversely affected by salinity and sodality and in many of these regions salinization is caused due to irrigation. The production of crop is low in saline soil due to salt[...]

Contents

Fields of interest
Botanik; Pflanzenphysiologie; Pflanzenzucht / Biotechnologie; Pflanzenzüchtung und Genomik

Target groups
Research

Type of publication
Contributed volume

More on www.springer.com/978-1-4614-6107-4

Hardcover
2013. XII, 321 p. 56 illus., 43 in color.
160,45 €
ISBN 978-1-4614-6107-4

Gewöhnlich versandfertig in 3-5 Werktagen.

Skin Stem Cells
Methods and Protocols
During the last decade, an increased interest in somatic stem cells has led to a flurry of research on one of the most accessible tissues of the body: skin. Much effort has focused on such topics as understanding the heterogeneity of stem cell pools within the epidermis and dermis, and their comparative utility in regenerative medicine applications. In Skin Stem Cells: Methods and Protocols, expert researchers in the field detail many of the methods which are now commonly used to study skin stem cells. These include methods and techniques for the isolation, maintenance and characterization of stem cell populations from skin. Written in the highly successful Methods in Molecular[...]

Features
During the last decade, an increased interest in somatic stem cells has led to a flurry of research on one of the most accessible tissues of the body: skin. Much effort has focused on such topics as understanding the heterogeneity of stem cell pools within the epidermis and dermis, and their comparative utility in regenerative medicine applications. In Skin Stem Cells: Methods and Protocols, expert[...]

Contents
Interfollicular Epidermal Stem Cells: Boosting and Rescuing from Adult Skin.- Isolation and Culture of Human Scalp Interfollicular Epidermal Stem Cells From YFP-Expressing Reporting Mice.- Analysis of Bulge Stem Cells from the Epidermis using Flow Cytometry.- Lineage Tracing of Hair Follicle Stem Cells in Epidermal Whole Mounts.- Isolation and Characterization of Cutaneous Epithelial Stem Cells.- Identification and Analysis of Epidermal Stem Cells from Primary Mouse Keratinocytes.- Monitoring the Cycling Activity of Cultured Humans[...]

Fields of interest
Zellbiologie; Stammzellen

Target groups
Professional/practitioner

Type of publication
Contributed volume


Hardcover
2013. XII, 321 p. 56 illus., 43 in color. (Methods in Molecular Biology, Band 989)
117,69 €

Gewöhnlich versandfertig in 3-5 Werktagen.
Soziobiologie

Die Evolution von Kooperation und Konkurrenz


Features

Soziobiologie ist den evolutionsobiologischen Ursprüngen und Gründen tierlichen und menschlichen Sozialverhaltens auf der Spur. Kosten und Nutzen des Soziallebens werden in diesem Buch genauer behandelt wie Strategien sozialer Konkurrenz, also Gewalt, Kampf und Dominanz, aber auch Kooperation, Altruismus und Solidarität. Die grundsätzlich in Konflikt miteinander stehenden Interessen zwischen dem männlichen […]

Contents


Fields of interest

Biologie (allgemein); Verhaltenswissenschaften; Zoologie; Sexualkunde; Gesellschafts- und Umweltpsychologie; Philosophie der Biologie

Target groups

Upper undergraduate

Type of publication

German textbook

More on www.springer.com/978-3-642-34540-1

Softcover

2013. VIII, 260 S. 24,99 €

ISBN 978-3-642-34540-1

Versandfertig innerhalb von 3 Tagen.

Spatial Planning and Sustainable Development

Approaches for Achieving Sustainable Urban Form in Asian Cities

This book attempts to provide insights into the achievement of a sustainable urban form, through spatial planning and implementation; here, we focus on planning experiences at the levels of local cities and some metropolitan areas in Asian countries. This book investigates the impact of planning policy on spatial planning implementation, from multidisciplinary viewpoints encompassing land-use patterns, housing development, transportation, green design, and agricultural and ecological systems in the urbanization process. We seek to learn from researchers in an integrated multidisciplinary platform that reflects a variety of perspectives, such as economic development, social equality, […]

Features

This book attempts to provide insights into the achievement of a sustainable urban form, through spatial planning and implementation; here, we focus on planning experiences at the levels of local cities and some metropolitan areas in Asian countries. This book investigates the impact of planning policy on spatial planning implementation, from multidisciplinary viewpoints encompassing land-use patterns, housing […]

Contents

Part 1 Urbanization and Sustainable Society - Section Urbanization and planning approach - Part 2 Urbanization and Sustainable Society - Section Housing and Transportation - Part 3 Landscape and Ecological System, Sustainable Development - Section Green design and landscape - Part 4 Landscape and Ecological System, Sustainable Development - Section Agri-culture and ecological system - Part 5 Landscape and Ecological System, Sustainable Development - Section Vulnerability of urban system.

Fields of interest

Landschaftsökologie; Nachhaltige Entwicklung; Humangeographie; Umweltmanagement

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-94-007-5921-3

Hardcover

2013. XXIV, 459 p. 185 illus. (Strategies for Sustainability) 149,75 €

ISBN 978-94-007-5921-3

Gewöhnlich versandfertig in 3-5 Werktagen.
Studies on Arthritis and Joint Disorders

This next volume in our established series proposes to systematically review the basic science and clinical knowledge of the role of free radicals and antioxidants, collectively known as “oxidative stress”, in the pathology of arthritis and other joint diseases. It will describe the most current diagnostic tools, laboratory methods and technology, to suggest ways of prevention and treatment and to emphasize the concept of the bench-to-bedside approach. The book will also provide specific coverage on emerging technology and medical applications including discussions of biomarkers and antioxidants as therapeutic agents and several more relevant aspects. In addition, the book will [...] Features

Joint diseases are a major public health concern. Reactive oxygen species are mediators in pathways associated with joint tissue injury. Oxidative Stress in Applied Basic Research and Clinical Practice: Studies on Arthritis and Joint Disorders provides background to understanding the role of reactive oxygen species in joint diseases, as well as therapeutic strategies for their regulation. [...] Contents

Biomarkers of oxidative stress in joint diseases.- Regulation of T-cell functions by oxidative stress.- Nitric oxide and the respiratory chain in synovial cells and chondrocytes.- Adipokines, molecular players at the crossroad between inflammation and oxidative stress. Role in arthropathies.- Regulation of cartilage and bone metabolism by oxidative stress.- Role of oxidative stress in bone aging.- Genetic Components of Oxidative Stress in Rheumatoid Arthritis.- Oxidative stress in rheumatoid arthritis.- Oxidative stress and premature atherosclerosis in RA.- Role of Oxidative Stress and [...] Fields of interest

Oxidative Stress; Zellbiologie; Rheumatologie

Target groups

Professional/practitioner

Type of publication

 Contributed volume

More on www.springer.com/978-1-4614-6165-4

Hardcover


The Prokaryotes

Applied Bacteriology and Biotechnology

The Prokaryotes is a comprehensive, multi-authored, peer reviewed reference work on Bacteria and Archaea. This fourth edition of The Prokaryotes is organized to cover all taxonomic diversity, using the family level to delineate chapters. Different from other resources, this new Springer product includes not only taxonomy, but also prokaryotic biology and technology of taxa in a broad context. Technological aspects highlight the usefulness of prokaryotes in processes and products, including biocontrol agents and as genetics tools. The content of the expanded fourth edition is divided into two parts: Part 1 contains review chapters dealing with the most important general concepts in [...] Features

The Prokaryotes is a comprehensive, multi-authored, peer reviewed reference work on Bacteria and Archaea. This fourth edition of The Prokaryotes is organized to cover all taxonomic diversity, using the family level to delineate chapters. Different from other resources, this new Springer product includes not only taxonomy, but also prokaryotic biology and technology of taxa in a broad context. [...] Contents


Fields of interest

Mikrobiologie

Target groups

Professional/practitioner

Type of publication

Handbook

More on www.springer.com/978-3-642-30144-5

The Prokaryotes

Human Microbiology

The Prokaryotes is a comprehensive, multi-authored, peer reviewed reference work on Bacteria and Achaea. This fourth edition of The Prokaryotes is organized to cover all taxonomic diversity, using the family level to delineate chapters. Different from other resources, this new Springer product includes not only taxonomy, but also prokaryotic biology and technology of taxa in a broad context. Technological aspects highlight the usefulness of prokaryotes in processes and products, including biocontrol agents and as genetics tools. The content of the expanded fourth edition is divided into two parts: Part 1 contains review chapters dealing with the most important general concepts in...[...]

Contents


Fields of interest

Microbiologie

Target groups

Professional/practitioner

Type of publication

Handbook

More on www.springer.com/978-3-642-30145-2

Hardcover

2013. XX, 556 p. 178 illus., 146 in color. Print + eReference.

762,91 €
ISBN 978-3-642-30145-2
Versandfertig innerhalb von 3 Tagen.

The Prokaryotes

Prokaryotic Physiology and Biochemistry

The Prokaryotes is a comprehensive, multi-authored, peer reviewed reference work on Bacteria and Achaea. This fourth edition of The Prokaryotes is organized to cover all taxonomic diversity, using the family level to delineate chapters. Different from other resources, this new Springer product includes not only taxonomy, but also prokaryotic biology and technology of taxa in a broad context. [...] Features

The Prokaryotes is a comprehensive, multi-authored, peer reviewed reference work on Bacteria and Achaea. This fourth edition of The Prokaryotes is organized to cover all taxonomic diversity, using the family level to delineate chapters. Different from other resources, this new Springer product includes not only taxonomy, but also prokaryotic biology and technology of taxa in a broad context. [...] Contents


Microbiologie

Target groups

Professional/practitioner

Type of publication

Handbook

More on www.springer.com/978-3-642-30142-1

Hardcover

2013. XX, 665 p. 236 illus., 151 in color. Print + eReference.

762,91 €
ISBN 978-3-642-30142-1
Versandfertig innerhalb von 3 Tagen.

Tissue-Protective Cytokines

Methods and Protocols

While many cytokines are known for their inflammatory action, there is a growing interest in the tissue-protective effects of some cytokines. The prototypic tissue-protective cytokine is EPO. Initially described as neuro-protective, it is beneficial in animal models of ischemic and other types of injury. Scientists have to overcome the notion that EPO had only erythropoietic actions, was only produced by the kidney, and that its receptor was only present in erythroid progenitor cells. The use of in vitro and in vivo disease models was essential to demonstrate the protective effects of EPO. Reproducible models will be needed for the further study of the mechanism of action of EPO and.[...]

Contents


Fields of interest

Biochemic: Humanphysiologie

Target groups

Professional/practitioner

Type of publication

Contributed volume


Hardcover

2013. XI, 328 p. 55 illus., 18 in color. (Methods in Molecular Biology, Band 982)

117,69 €
Gewöhnlich versandfertig in 3-5 Werktagen.
Zell- und Gewebekultur

Allgemeine Grundlagen und spezielle Anwendungen


Features

Dieses Lehr- und Methodenbuch soll Studierenden der Biologie, Medizin, Pharmazie oder Biotechnologie wie auch Wissenschaftlern und technischen Assistenten einen umfassenden Einblick in die Zell- und Gewebekultur vermitteln. Die theoretischen Grundlagen wurden verstärkt herausgearbeitet und relevante Gesetzesvorschriften aktualisiert. Praktische Tipps und Tricks in einer labor- und leserfreundlichen Aufmachung [...]

Contents


Fields of interest

Zellbiologie; Biologische Techniken; Labormedizin; Pharmazie

Target groups

Upper undergraduate

Type of publication

German textbook

More on www.springer.com/978-3-642-33112-1

Materialwissenschaften

P. K. Giri, Indian Institute of Technology Guwahati, India; D.K. Goswami, Indian Institute of Technology Guwahati, India; A. Perumal, Indian Institute of Technology Guwahati, India (Eds.)

Advanced Nanomaterials and Nanotechnology

Proceedings of the 2nd International Conference on Advanced Nanomaterials and Nanotechnology, Dec 8-10, 2011, Guwahati, India

Nanoscale science and technology have occupied centre stage globally in modern scientific research and discourses in the early twenty first century. The enabling nature of the technology makes it important in modern electronics, computing, materials, healthcare, energy and the environment. This volume contains selected articles presented (as Invited/ Oral/Poster presentations) at the 2nd international conference on advanced materials and nanotechnology (ICANN-2011) held recently at the Indian Institute of Technology Guwahati, during Dec 8-10, 2011. The list of topics covered in this proceedings include: Synthesis and self assembly of nanomaterials Nanoscale characterisation. [...]

Features

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Contents


Fields of interest

Nanotechnologie; Nanobereichswissenschaft und -technologie; Nanotechnologie; Nanobereichswissenschaft und -technologie; Nanotechnologie; Nanobereichswissenschaft und -technologie

Target groups

Research

Type of publication

Proceedings

More on www.springer.com/978-3-642-34215-8

Hardcover

2013. XI, 608 p. 347 Illus. (Springer Proceedings in Physics, Band 143)

203,25 €

ISBN 978-3-642-34215-8

Gewöhnlich versandfertig in 3-5 Werktagen.
Small Organic Molecules on Surfaces
Fundamentals and Applications
This book deals with basic aspects of polymer electronics and optoelectronics. There is an enormous world-wide effort both in basic scientific research as well as in industrial development in the area of organic electronics. It is becoming increasingly clear that, if devices based on organic materials are ever going to have a significant relevance beyond being a cheap replacement for inorganic semiconductors, there will be a need to understand interface formation, film growth and functionality. A control of these aspects will allow the realisation of totally new device concepts exploiting the enormous flexibility inherent in organic chemistry. In this book we focus on:...

Features
This book deals with basic aspects of polymer electronics and optoelectronics. There is an enormous world-wide effort both in basic scientific research as well as in industrial development in the area of organic electronics. It is becoming increasingly clear that, if devices based on organic materials are ever going to have a significant relevance beyond being a cheap replacement for inorganic semiconductors. [...]

Contents

Fields of interest
Optische und elektronische Werkstoffe; Oberflächen- und Grenzflächenforschung, dünne Schichten; Oberflächen und Verbindungen, Dünnschichten; Konstituums- und Werkstoffmechanik; Oberflächen- und Grenzflächenforschung, dünne Schichten

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-3-642-33847-2

Hardcover
2013, XV, 323 p. 184 illus., 106 in color. (Springer Series in Materials Science, Band 173)
106,99 €
ISBN 978-3-642-33847-2
Gewöhnlich versandfertig in 3-5 Werktagen.

Surface Effects in Solid Mechanics
Models, Simulations and Applications
This book summarizes the actual state of the art and future trends of surface effects in solid mechanics. Surface effects are more and more important in the precise description of the behavior of advanced materials. One of the reasons for this is the well-known from the experiments fact that the mechanical properties are significantly influenced if the structural size is very small like, for example, nanostructures. In this book, various authors study the influence of surface effects in the elasticity, plasticity, viscoelasticity. In addition, the authors discuss all important different approaches to model such effects. These are based on various theoretical frameworks such as:...

Features
This book summarizes the actual state of the art and future trends of surface effects in solid mechanics. Surface effects are more and more important in the precise description of the behavior of advanced materials. One of the reasons for this is the well-known from the experiments fact that the mechanical properties are significantly influenced if the structural size is very small like, for example, [..]

Contents

Fields of interest
Oberflächen- und Verbindungen, dünn Schichten; Konstituums- und Werkstoffmechanik; Oberflächen- und Grenzflächenforschung, dünne Schichten

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-3-642-35782-4

Hardcover
2013, XI, 194 p. 96 illus., 20 in color. (Advanced Structured Materials, Band 30)
101,64 €
ISBN 978-3-642-35782-4
Gewöhnlich versandfertig in 3-5 Werktagen.

Clifford Algebras and Lie Theory
This monograph provides an introduction to the theory of Clifford algebras, with an emphasis on its connections with the theory of Lie groups and Lie algebras. The book starts with a detailed presentation of the main results on symmetric bilinear forms and Clifford algebras. It develops the spin groups and the spin representation, culminating in Cartan’s famous triality automorphism for the group Sp(8). The discussion of enveloping algebras includes a presentation of Petrocchi’s proof of the Poincaré–Birkhoff–Witt theorem. This is followed by discussions of Weil algebras, Chern –Weil theory, the quantum Weil algebra, and the cubic Dirac operator. The applications to Lie theory(...)

Features
This monograph provides an introduction to the theory of Clifford algebras, with an emphasis on its connections with the theory of Lie groups and Lie algebras. The book starts with a detailed presentation of the main results on symmetric bilinear forms and Clifford algebras. It develops the spin groups and the spin representation, culminating in Cartan’s famous triality automorphism for the group Sp(8). [...]

Contents

Fields of interest
Topologische Gruppen, Lie-Gruppen; Assoziative Ringe und Algebren; Mathematische Methoden in der Physik

Target groups
Graduate

Type of publication
Graduate/advanced undergraduate textbook

More on www.springer.com/978-3-642-36215-6

Hardcover
2013, XX, 321 p. (Ergebnisse der Mathematik und Ihrer Grenzgebiete. 3. Folge / A Series of Modern Surveys in Mathematics, Band 58)
101,64 €
ISBN 978-3-642-36215-6
Gewöhnlich versandfertig in 3-5 Werktagen.
**Evolution Equations Arising in the Modelling of Life Sciences**

This book deals with the modeling, analysis and simulation of problems arising in the life sciences, and especially in biological processes. The models and findings presented result from intensive discussions with microbiologists, doctors and medical staff, physicists, chemists and industrial engineers and are based on experimental data. They lead to a new class of degenerate density-dependent nonlinear reaction-diffusion convective equations that simultaneously comprise two kinds of degeneracy: porous-medium and fast-diffusion type degeneracy. To date, this class is still not clearly understood in the mathematical literature and thus especially interesting. The author both derives [...] 

**Further Developments in Fractals and Related Fields**

 Mathematical Foundations and Connections

This volume, following in the tradition of a similar 2010 publication by the same editors, is an outgrowth of an international conference, "Fractals and Related Fields II," held in June 2011. The book provides readers with an overview of developments in the mathematical fields related to fractals, including original research contributions as well as surveys from many of the leading experts on modern fractal theory and applications. The chapters cover fields related to fractals such as "geometric measure theory"/"ergodic theory"/"dynamical systems","harmonic and functional analysis","number theory"/"probability theory". Further Developments in Fractals and Related Fields is aimed at pure and [...] 

**High Performance Computing in Science and Engineering ’12**

Transactions of the High Performance Computing Center, Stuttgart (HLRS) 2012

This book presents the state-of-the-art in simulation on supercomputers. Leading researchers present results achieved on systems of the High Performance Computing Center Stuttgart (HLRS) for the year 2012. The reports cover all fields of computational science and engineering ranging from CFD via computational physics and chemistry to computer science with a special emphasis on industrially relevant applications. Presenting results for both vector systems and micro-processor based systems, the book allows to compare performance levels and usability of various architectures. As HLRS operates not only a large cluster system but also one of the largest NEC vector systems in the world this [...] 

**Fields of interest**

Mathematics and computer science*number theory*probability and statistics*ergodic theory*dynamical systems*harmonic and functional analysis*number theory*probability theory*Further Developments in Fractals and Related Fields II," held in June 2011. The book provides readers with an overview of developments in the mathematical fields related to fractals, including original research contributions as well as surveys from many of the leading experts on modern fractal [...] 

**Contents**

Preface. 1 Auxiliary Materials. 2 Global attractors for autonomous evolution equations. 3 Verifying life science models containing diffusion, transport and interaction of species. 4 Positivity criterion for systems of stochastic PDEs. Existence and long-time behaviour of a biofilm model. 6 The blood coagulation cascade in a perfusion experiment: example from pharmaceutical industry. - Index.

**Fields of interest**

Mathematical and Computational Biology; Physiological, Cellular and Medical Topics; Partielle Differentialgleichungen; Theoretische Ökologie / Statistik; Systembiologie

**Target groups**

Research

**Type of publication**

Monograph

More on www.springer.com/978-3-642-33373-6

Hardcover


90,94 €

ISBN 978-3-642-0614-5

Gewöhnlich versandfertig in 3-5 Werktagen.
Imagine Math 2
Between Culture and Mathematics

Imagine mathematics, imagine with the help of mathematics, imagine new worlds, new geometries, new forms. The new volume in the series "Imagine Math" is intended to contribute to grasping how much that is interesting and new is happening in the relationships between mathematics, imagination and culture. The present book begins with the connections between mathematics, numbers, poetry and music, with the latest opera by Italian composer Claudio Ambrosini. Literature and narrative also play an important role here. There is cinema too, with the "erotic" mathematics films by Edward Frenkel, and the new short "Arithmétique" by Munari and Rovazzani. The section on applications of [...] features

Contents

Fields of interest
Mathematics in the Humanities and Social Sciences; Sachbuch Mathematik / Naturwissenschaften / Technik; Geisteswissenschaften

Target groups
Popular/general

Type of publication
Contributed volume

More on [website]

Hardcover
2013. VIII, 242 p. 60 illus., 10 in color.
64,19 €
Versandfertig innerhalb von 3 Tagen.

Interest Rate Derivatives
Valuation, Calibration and Sensitivity Analysis

The class of interest rate models introduced by O. Cheyette in 1994 is a subclass of the general HJM framework with a time dependent volatility parameterization. This book addresses the above mentioned class of interest rate models and concentrates on the calibration, valuation and sensitivity analysis in multifactor models. It derives analytical pricing formulas for bonds and caplets and applies several numerical valuation techniques in the class of Cheyette model, i.e. Monte Carlo simulation, characteristic functions and PDE valuation based on sparse grids. Finally it focuses on the sensitivity analysis of Cheyette models and derives Model- and Market Greeks. To the best of our [...] features

Contents

Fields of interest
Quantitative Finanzmathematik; Angewandte Mathematik; Numerische Mathematik

Target groups
Graduate

Type of publication
Monograph

More on [website]

Softcover
2013. XVIII, 209 p. 33 illus. (Lecture Notes in Economics and Mathematical Systems, Band 666)
74,85 €
ISBN 978-3-642-34924-9
Gewöhnlich versandfertig in 3-5 Werktagen.

Lesebuch Mathematik für das erste Studienjahr

Dieses Buch ist eine Begleitlektüre zum ersten Jahr des Mathematikstudiums und darüber hinaus. Im Mittelpunkt stehen Motivation und Erläuterung der zentralen Begriffsbildungen anhand von Beispielen und exemplarischen Resultaten. Ausgehend von den elementarsten und historisch frühesten mathematischen Konzepten des Messens und Zählen wird die zum modernen Begriffen wie Metriken, Maßen und Vektorräumen geführt, die dann zur Lösung konkreter Probleme eingesetzt werden. Die Stoffaufwaltung ist so angelegt, dass die Verbindung zwischen den unterschiedlichen Anfängervorlesungen, die im regulären Studienbetrieb oft eher ausgebildet werden, deutlich hervortreten. Das Buch richtet sich an [...] features

Contents
Vorwort.- 1 Vom Abstand zur Topologie.- 2 Von der linearen Gleichung zur Geometrie.- 3 Vom Volumen zum Integral.- 4 Von der Linearisierung zum Gleichungslösen.- 5 Von der Struktur der Rechnung.- Anhang: Mengentheorie, Literaturverzeichnis, Mathematische Symbole und Index.

Fields of interest
Mathematik (allgemein)

Target groups
Lower undergraduate

Type of publication
German textbook

More on [website]

Softcover
2013. XI, 328 S. 20 Abb.
19,99 €
ISBN 978-3-642-34754-2
Versandfertig innerhalb von 3 Tagen.
Mathematical Risk Analysis
Dependence, Risk Bounds, Optimal Allocations and Portfolios

The author’s particular interest in the area of risk measures is to combine this theory with the analysis of dependence properties. The present volume gives an introduction of basic concepts and methods in mathematical risk analysis, in particular of those parts of risk theory that are of special relevance to finance and insurance. Describing the influence of dependence in multivariate stochastic models on risk vectors is the main focus of the text that presents main ideas and methods as well as their relevance to practical applications. The first part introduces basic probabilistic tools and methods of distributional analysis, and describes their use to the modeling of dependence [...]"
Modellierungskompetenzen langfristig und kumulativ fördern

Tätigkeits-theoretische Analyse des mathematischen Modellierens in der Sekundarstufe I


Features
Das mathematische Modellieren sollte auf Grund seiner Verankerung in zahlreichen Rahmen- und Lehrplänen Gegenstand des Mathematikunterrichts sein. Ulrich Böhm greift in seiner Arbeit dieses normativ gesetzte Ziel auf, um einen Vorschlag zur bislang offenen Frage nach einer langfristigen und kumulativen Entwicklung von Modellierungskompetenzen innerhalb der Sekundarstufe I zu entwickeln. Er nutzt die [...]
Nonabelian Jacobian of Projective Surfaces
Geometry and Representation Theory

The Jacobian of a smooth projective curve is undoubtedly one of the most remarkable and beautiful objects in algebraic geometry. This work is an attempt to develop an analogous theory for smooth projective surfaces - a theory of the nonabelian Jacobian of smooth projective surfaces. Just like its classical counterpart, our nonabelian Jacobian relates to vector bundles (of rank 2) on a surface as well as its Hilbert scheme of points. But it also comes equipped with the variation of Hodge-like structures, which produces a sheaf of reductive Lie algebras naturally attached to our Jacobian. This constitutes a nonabelian analogue of the (abelian) Lie algebra structure of the classical [...] [...]

Contents
1 Introduction. - 2 Nonabelian Jacobian [X; L; d]: main properties. - 3 Some properties of the filtration H: - 4 The sheaf of Lie algebras G - 5 Period maps and Torelli problems. - 6 sl2-structures on G - 7 sl2-H - 8 Involution on G - 9 Stratification and Torelli problems. - 10 Configurations and their equations. - 11 Geometric and representation theoretic constructions. - 12 J[X; L; d] and the Langlands Duality.

Fields of interest
Algebraische Geometrie; Lineare und Multilineare Algebra; Matrizentheorie

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-3-642-35661-2

Softcover
2013. VIII, 227 p. (Lecture Notes in Mathematics, Band 2072)
48,14 €
ISBN 978-3-642-35661-2

Gewöhnlich versandfertig in 3-5 Werktagen.

A. Hinkis, Tel Aviv University, Israel

Proofs of the Cantor-Bernstein Theorem
A Mathematical Excursion

This book offers an excursion through the developmental area of research mathematics. It presents some 40 papers, published between the 1870s and the 1970s, on proofs of the Cantor-Bernstein theorem and the related Bernstein division theorem. While the emphasis is placed on providing accurate proofs, similar to the originals, the discussion is broadened to include aspects that pertain to the methodology of the development of mathematics and to the philosophy of mathematics. Works of prominent mathematicians and logicians are reviewed, including Cantor, Dedekind, Schröder, Bernstein, Borel, Zermelo, Poincaré, Russell, Peano, the Königs, Hausdorff, Sierpinski, Tarski, Banach, Brouwer [...] [...]

Features
This book offers an excursion through the developmental area of research mathematics. It presents some 40 papers, published between the 1870s and the 1970s, on proofs of the Cantor-Bernstein theorem and the related Bernstein division theorem. While the emphasis is placed on providing accurate proofs, similar to the originals, the discussion is broadened to include aspects that pertain to the methodology of [...] [...]

Contents
Preface. - Part I: Cantor and Dedekind. - Cantor’s CBT proof for sets of the power of (II). - Generalizing Cantor’s CBT proof. - CBM in Cantor’s 1878 Beiträge. - The theory of inconsistent sets. - Comparability in Cantor’s writings. - The scheme of complete disjunction. - Ruptures in the Cantor-Dedekind correspondence. - The inconsistency of Dedekind’s infinite set. - Dedekind’s proof of CBT. - Part II: The early proofs. - Schröder’s Proof of CBT. - Bernstein, Borel and CBT. - Schoenflies’ 1900 proof of CBT. - Zermelo’s 1901 proof of CBT. - Bernstein’s Division Theorem. - Part III: Under the logicist [...] [...]

Fields of interest
Geschichte der Mathematik; Mathematische Logik und Mengenlehre; Kategorientheorie und Homologische Algebra

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-3-0348-0223-9

Hardcover
2013. XXIII, 429 p. 29 illus., 3 in color. (Science Networks. Historical Studies, Band 45)
101,60 €
ISBN 978-3-0348-0223-9

Gewöhnlich versandfertig in 3-5 Werktagen.

S. Molahajloo, Queen’s University, Kingston, ON, Canada; S. Pilipović, University of Novi Sad, Serbia; J. Toft, Linnæus University, Växjö, Sweden; M.W. Wong, York University, Toronto, ON, Canada (Eds.)

Pseudo-Differential Operators, Generalized Functions and Asymptotics

This volume consists of twenty peer-reviewed papers from the special session on pseudodifferential operators and the special session on generalized functions and asymptotics at the Eighth Congress of ISoMA held at the Peoples’ Friendship University of Russia in Moscow on August 22–27, 2011. The category of papers on pseudo-differential operators contains such topics as elliptic operators assigned to diffeomorphisms of smooth manifolds, analysis on singular manifolds with edges, heat kernels and Green functions of sub-Laplacians on the Heisenberg group and Lie groups with more complexities than but closely related to the Heisenberg group, Lp-boundeness of pseudo-differential operators [...] [...]

Features
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Contents

Fields of interest
Mehrere komplexe Veränderliche und analytische Räume; Partielle Differentialgleichungen; Operatortheorie; Globale Analysis und Analysis auf Mannigfaltigkeiten; Topologische Gruppen, Lie-Gruppen

Target groups
Research

Type of publication
Proceedings

More on www.springer.com/978-3-0348-0584-1

Hardcover
128,39 €
ISBN 978-3-0348-0584-1

Gewöhnlich versandfertig in 3-5 Werktagen.
Studies in Phase Space Analysis with Applications to PDEs

This collection of original articles and surveys, emerging from a 2011 conference in Bertinoro, Italy, addresses recent advances in linear and nonlinear aspects of the theory of partial differential equations (PDEs). Phase space analysis methods, also known as microlocal analysis, have continued to yield striking results over the past years and are now one of the main tools of investigation of PDEs. Their role in many applications to physics, including quantum and spectral theory, is equally important. Key topics addressed in this volume include:*general theory of pseudodifferential operators*Hardy-type inequalities*linear and non-linear hyperbolic equations and systems*Schrödinger[...]

Features
This collection of original articles and surveys, emerging from a 2011 conference in Bertinoro, Italy, addresses recent advances in linear and nonlinear aspects of the theory of partial differential equations (PDEs). Phase space analysis methods, also known as microlocal analysis, have continued to yield striking results over the past years and are now one of the main tools of investigation of PDEs. Their [...]
**Medizin**

**Abord Clinique en Ophtalmologie**

Il ne s’agit pas d’un ouvrage exhaustif, ni d’un atlas agrémenté d’iconographies couvrant toute l’ophtalmologie, mais d’un guide concis, pédagogique et facile à consulter au vu et à l’écoute du patient. L’objectif de cet ouvrage est de permettre au praticien de cibler, en un temps record, l’approche diagnostique d’un symptôme ophtalmologique, de le traiter ou de savoir le diriger, sans tarder, vers un spécialiste ou même directement vers un service hospitalier ophtalmologique ou neurologique. Certains diagnostics qui paraissent faciles, peuvent néanmoins cacher une atteinte plus profonde qu’un examen clinique simple et un bon interrogatoire sont souvent à même de suggérer.

**Features**

Ce manuel, léger, simple à consulter, se veut au plus proche de la pratique quotidienne du médecin, du remplissant ou des auxiliaires médicaux. Son but est de permettre au praticien de cibler, en un temps record, l’approche diagnostique d’un symptôme ophtalmologique, de le traiter ou de savoir le diriger sans tarder vers un spécialiste ou même directement vers un service hospitalier ophtalmologique ou ...

**Fields of interest**

Allgemeinmedizin; Neurologie; Ophthalmologie

**Target groups**

Professional/practitioner

**Type of publication**

Monograph


**Softcover**

2013, 240 p. (Abord clinique)

24,34 €


Versandfertig innerhalb von 3 Tagen.

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**Medizin**

**Verborgene Ideen**

**Historische mathematische Instrumente**


**Features**

Zählen, Rechnen, Messen und Konstruieren sind die Wurzeln, aus denen die Mathematik erwachsen ist. Zwar spielt sich das Wesentliche dabei im Denken des Menschen ab, doch im praktischen Vollzug werden Hilfen beim Rechnen verwendet, wird mit Instrumenten gemessen und mit Werkzeugen genutzt. Das gilt vor allem für die Anwendungsbereiche: Handel, Handwerk, Baukunst, Landvermessung, Seefahrt.

**Contents**


**Fields of interest**

Mathematik (allgemein); Sachbuch Mathematik / Naturwissenschaften / Technik; Mathematische Bildung

**Target groups**

Popular/general

**Type of publication**

Popular science

More on www.springer.com/978-3-658-01429-2

**Softcover**

2013, XII, 148 S. 201 Abb., 151 in Farbe.


Versandfertig innerhalb von 3 Tagen.
**Abord clinique du patient coronarien**

Cet ouvrage répond à l’objectif principal de l’auteur : accroître les compétences pratiques du lecteur. Il fournit les clés pour comprendre et appliquer aussi bien les notions classiques que les recommandations des instances officielles, issues d’une médecine scientifique fondée sur les preuves, et met également à la portée du lecteur les explorations technologiques les plus récentes. L’auteur a transmis dans ce guide pratique son expérience clinique et humaniste, adaptée au rôle primordial que tient le médecin généraliste. En effet, celui-ci se trouve en première ligne pour établir un diagnostic basé sur l’interrogatoire et l’électrocardiogramme, et pour reconnaître les situations...[...]

**Features**

Cet ouvrage répond à l’objectif principal de l’auteur : accroître les compétences pratiques du lecteur. Il fournit les clés pour comprendre et appliquer aussi bien les notions classiques que les recommandations des instances officielles, issues d’une médecine scientifique fondée sur les preuves, et met également à la portée du lecteur les explorations technologiques les plus récentes. L’auteur a [...] [...]

**Contents**


**Fields of interest**

Kardiologie; Herzchirurgie; Intensivmedizin

**Target groups**

Professional/practitioner

**Type of publication**

Monograph


**Softcover**

2013. IV, 96 p. (Abord clinique)

24,34 €


Versandfertig innerhalb von 3 Tagen.

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**Abrégé de Physiologie**

À l’usage des acupuncteurs et des réflexothérapeutes

La physiologie, à savoir le fonctionnement du corps humain, implique les métabolismes classiques, l’étude des organes et des systèmes. Les praticiens effectuant les réflexothérapies (acupuncture et auriculothérapie) utilisent les systèmes du corps (système nerveux, système d’adaptation au stress, système immunitaire, système postural), cet ouvrage répondra à leurs besoins de connaissance en matière de physiologie.

**Features**

Destiné avant tout aux membres du corps médical ainsi qu’aux étudiants en réflexothérapies (l’acupuncture d’origine chinoise, l’auriculothérapie d’origine française et d’autres techniques), cet ouvrage, à travers une approche résolument facile d’accès, présente les rappels de physiologie indispensables pour la pratique de ces disciplines thérapeutiques. Traiter à partir de la peau implique de la [...]

**Fields of interest**

Medizin (allgemein); Naturheilverfahren; Akupunktur; Schmerztherapie

**Target groups**

Professional/practitioner

**Type of publication**

Contributed volume


**Softcover**

2013. Env. 230 p. 5 ill. (Médecines d’Asie: Savoirs et Pratiques) 45,64 €


Versandfertig innerhalb von 3 Tagen.

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**Actualités thérapeutiques dans les lymphomes**

Dans les années 1980, le traitement des lymphomes reposait sur la chimiothérapie de type CHOP pour les lymphomes non hodgkiniens (LNH) et de type MOPP pour les lymphomes de hodgkin (LH). La première ne permettait pas plus de 30 % de guérison pour les LNH et si la seconde thérapie s’accompagnait de 60 à 70 % de guérison pour les LH, elle entraînait des risques d’infertilité et de second cancer avec au premier plan le risque de leucémies aigus myéloïdes. Les thérapeutiques ont considérablement évolué depuis cette époque. Dans les lymphomes non hodgkiniens, la distinction entre les lymphomes B et T pour les lymphomes agressifs, puis les différentes sous-entités de LNH B a été abandonnée [...]

**Features**

Dans les années 1980, le traitement des lymphomes reposait sur la chimiothérapie de type CHOP pour les lymphomes non hodgkiniens (LNH) et de type MOPP pour les lymphomes de hodgkin (LH). La première ne permettait pas plus de 30 % de guérison pour les LNH et si la seconde thérapie s’accompagnait de 60 à 70 % de guérison pour les LH, elle entraînait des risques d’infertilité et de second cancer avec au [...] [...]

**Fields of interest**

Hematologie; Onkologie; Strahlentherapie; Transplantationschirurgie; Pharmakologie / Toxikologie

**Target groups**

Professional/practitioner

**Type of publication**

Contributed volume

More on www.springer.com/978-2-8178-9379-8

**Softcover**

2013. Env. 150 p. 10 ill. 50,71 €


Versandfertig innerhalb von 3 Tagen.
Annual Update in Intensive Care and Emergency Medicine 2013

The Yearbook compiles the most recent developments in experimental and clinical research and practice in one comprehensive reference book. The chapters are written by well recognized experts in the field of intensive care and emergency medicine. It is addressed to everyone involved in internal medicine, anesthesia, surgery, pediatrics, intensive care and emergency medicine.

Features
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Contents

Fields of interest
Medizin (allgemein); Intensivmedizin; Notfallmedizin; Innere Medizin

Target groups
Professional/practitioner

Type of publication
Professional book

More on www.springer.com/978-3-642-35108-2

Softcover
2013. Approx. 910 p. 150 illus., 10 in color. (Annual Update in Intensive Care and Emergency Medicine, Jahrgang 2013) 128,39 €
ISBN 978-3-642-35108-2
Versandfertig innerhalb von 3 Tagen.

Atlas of Genitourinary Oncological Imaging

The Atlas of Genitourinary Oncological Imaging presents a comprehensive visual review of appearances for normal anatomy and oncological diseases in the genitourinary system using over 900 radiological images and illustrations. The book presents current imaging techniques and discusses the role of imaging in pre-treatment staging and post-treatment follow-up. Diseases discussed include kidney, adrenal gland, upper tract, bladder, prostate, testes, and pediatric malignancies. Individual chapters include normal anatomy, imaging techniques, and pathology of each cancer type. The staging of the malignancy and what to include in the radiology report are discussed, and expected and...]

Features
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Contents

Fields of interest
Medizin (allgemein); Intensivmedizin; Notfallmedizin; Innere Medizin

Target groups
Professional/practitioner

Type of publication
Atlas

More on www.springer.com/978-1-4614-4871-6

Hardcover
2013. XIV, 343 p. 301 illus., 60 in color. (Atlas of Oncologic Imaging, Band 1) 149,75 €
ISBN 978-1-4614-4871-6
Gewöhnlich versandfertig in 3-5 Werktagen.

Atlas of Peripheral Nerve Ultrasound

With Anatomic and MRI Correlation

In recent years, sonography of the peripheral nervous system has gained widespread acceptance. New diagnostic applications have emerged, and the field of ultrasound-guided interventions has expanded significantly: regional anesthesia, peripheral nerve blocks, and similar techniques are now frequently performed under ultrasound guidance by anesthesiologists and pain physicians alike. This atlas of peripheral nerve ultrasound is designed to meet the daily needs of both radiologists and clinicians by allowing rapid review of typical features, knowledge of which is important for safety and follow-up.

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Contents
Introduction to High Resolution Sonography of the Peripheral Nervous System: General Considerations and Examination Technique.- Nerves in the Head and Neck.- Upper Extremity Nerves.- Lower Extremity Nerves.- Nerves in the Trunk and Abdominal Wall.

Fields of interest
Bildgebende Verfahren / Radiologie; Urologie / Andrologie; Diagnostische Radiologie; Onkologie; Chirurgische Onkologie

Target groups
Professional/practitioner

Type of publication
Atlas

More on www.springer.com/978-3-642-25593-9

Hardcover
ISBN 978-3-642-25593-9
Versandfertig innerhalb von 3 Tagen.

Atlas of Genitourinary Oncological Imaging

The Atlas of Genitourinary Oncological Imaging presents a comprehensive visual review of appearances for normal anatomy and oncological diseases in the genitourinary system using over 900 radiological images and illustrations. The book presents current imaging techniques and discusses the role of imaging in pre-treatment staging and post-treatment follow-up. Diseases discussed include kidney, adrenal gland, upper tract, bladder, prostate, testes, and pediatric malignancies. Individual chapters include normal anatomy, imaging techniques, and pathology of each cancer type. The staging of the malignancy and what to include in the radiology report are discussed, and expected and...]

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Medizin (allgemein); Intensivmedizin; Notfallmedizin; Innere Medizin

Target groups
Professional/practitioner

Type of publication
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Contents
Introduction to High Resolution Sonography of the Peripheral Nervous System: General Considerations and Examination Technique.- Nerves in the Head and Neck.- Upper Extremity Nerves.- Lower Extremity Nerves.- Nerves in the Trunk and Abdominal Wall.

Fields of interest
Bildgebende Verfahren / Radiologie; Urologie / Andrologie; Diagnostische Radiologie; Onkologie; Chirurgische Onkologie

Target groups
Professional/practitioner

Type of publication
Atlas

More on www.springer.com/978-3-642-25593-9

Hardcover
ISBN 978-3-642-25593-9
Versandfertig innerhalb von 3 Tagen.
Basic Sciences in Ophthalmology

Physics and Chemistry

Basic Sciences in Ophthalmology aims to link clinical ophthalmology directly to its basic science roots. This first volume describes the physics and chemistry required for a sound understanding of modern ophthalmology. The book opens with an extensive discussion of the interaction of light with matter and the way in which light is used in ophthalmic examinations and treatments. After describing traditional methods of imaging, particular emphasis is placed on modern instrumentation such as OCT. The interaction between light and tissues in different types of laser treatment is also addressed. The chemistry section focuses on compounds particularly relevant to the eye, such as oxygen and carbon dioxide.- Nitric oxide.- Redox reactions.- DNA.- Units and constants.

Bone Sarcoma

Bone Sarcoma is a succinct volume within the M.D. Anderson Cancer Care Series that summarizes the key elements of different specialties as they pertain to these cancers. It is a vital resource for physicians working with these uncommon yet fascinating bone sarcomas and uses a multidisciplinary team approach that is essential to maximizing a patient’s chances of a successful outcome. Written for physicians who have an interest in how the entire treatment process works and how their efforts are intertwined with those of their colleagues, Bone Sarcoma covers topics such as diagnostic techniques, treatment modalities, reconstruction and function, and a more globally oriented chapter...

Breast and Gynecological Cancers

An Integrated Approach for Screening and Early Diagnosis in Developing Countries

Low- and middle-income countries have seen a dramatic rise in the incidence of breast and gynecological cancers in the past decade. Organized cancer screening programs are not widely available in developing countries, leading to disproportionately higher mortality rates compared to those in the developed world. This book addresses cost-effective strategies for implementing programs aimed at screening for the early detection of breast, cervical, endometrial, and ovarian cancers. A well woman clinic concept providing such services as part of women’s health examinations is proposed, aiming to ensure patient compliance by limiting clinic visits required for initial testing and diagnosis...

Features

Women in developing nations experience higher incidence rates and higher mortality rates of breast and gynecological cancers, creating a critical need for cancer control programs that can use available, often scant, resources to match the existing disease burden. This book promotes integrating screening and early detection of breast and gynecological cancers through cost effective modalities like single...
Burn Care and Treatment

A Practical Guide

This practical guide offers a comprehensive summary of the most important and most immediate therapeutic approaches in the assessment and treatment of burn injuries. Taking into account age-specific needs in pediatric, adult, and elderly burn patients, the book discusses key issues such as pre-hospital treatment, wound care and infection control, burn nursing, and critical care. In addition, burn reconstructive surgery and rehabilitation for burn victims are described. Written in a concise manner, Burn Care and Treatment provides guidelines for the optimal care in order to improve patient outcome, and thus will be a valuable reference for physicians, surgeons, residents, nurses, and [...] [..]

Features

This practical guide offers a comprehensive summary of the most important and most immediate therapeutic approaches in the assessment and treatment of burn injuries. Taking into account age-specific needs in pediatric, adult, and elderly burn patients, the book discusses key issues such as pre-hospital treatment, wound care and infection control, burn nursing, and critical care. In [...] [..]

Contents


Fields of interest

Chirurgie; Dermatologie; Notfallmedizin, Anästhesiologie; Krankenpflege

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-3-7091-1132-1

Hardcover

2013, V, 188 p. 50 illus., 43 in color.
74,89 €
ISBN 978-3-7091-1132-1
Gewöhnlich versandfertig in 3-5 Werktagen.

Cancer Grading Manual

This is the second edition of a practice-oriented, well-illustrated manual on the microscopic grading of tumors. After an introduction on the history and basic tenets of tumor grading, subsequent chapters focus on specific organ systems. In each case, the most widely used system for grading common tumors is presented and discussed. Since the first edition, all chapters have been updated to reflect revisions in the clinical practice of pathology and to explain the role of novel [...] [..]

Features

This is the second edition of a practice-oriented, well-illustrated manual on the microscopic grading of tumors that addresses all relevant histopathologic aspects of tumor pathology. After an introduction on the history and basic tenets of tumor grading, subsequent chapters focus on specific organ systems. In each case, the most widely used system for grading common tumors is presented and discussed. [...] [..]

Contents

Tumors of the Mouth, Pharynx, Nose and Paranasal Sinuses.- Tumors of the Salivary Glands.- Tumors of the Larynx and Hypopharynx.- Tumors of the Lungs and Pleura.- Tumors of the Thymus.- Tumors of the Digestive System.- Tumors of the Endocrine System.- Tumors of the Kidney and Male Urogenital System.- Tumors of the Female Genital Organs.- Tumors of the Breast.- Tumors of the Lymphoid and Hematopoietic Systems.- Tumors of the Musculoskeletal System.- Tumors of the Skin.- Tumors of the Central Nervous System.

Fields of interest

Pathologie; Onkologie

Target groups

Professional/practitioner

Type of publication

Manual

More on www.springer.com/978-3-642-34515-9

Hardcover

2013, XII, 220 p. 166 illus., 161 in color.
62,95 €
ISBN 978-3-642-34515-9
Gewöhnlich versandfertig in 3-5 Werktagen.

Carpal Ligament Surgery

Before Arthritis

It has by now been established that carpal ligamentary lesions may lead to instability and ultimately to carpal arthritis. However, the variety of anatomo-pathological classifications and the multiplicity of surgical repair techniques reflect the difficulty of grasping this ligamentary pathology. Clinical analysis and traditional investigation techniques must successfully address the complexity of the wrist, which is largely due to the number of synchronized bones involved in every movement of the hand. The clinical analysis of the wrist is insufficient to precisely measure the mobility of each carpal bone, making paraclinical examinations also significant for clinical diagnosis. The [...] [..]

Features

Nowadays, it is established that carpal ligamentary lesions may lead to instability and then to carpal arthritis. However, the variety of anatomo-pathological classifications and the multiplicity of surgical repair techniques reflect the difficulty of conceiving this ligamentary pathology. The clinical analysis and traditional investigation techniques face the complexity of the wrist. Its mechanical [...] [..]

Contents


Fields of interest

Chirurgische Orthopädie; Unfallchirurgie; Plastische Chirurgie

Target groups

Professional/practitioner

Type of publication

Contributed volume

More on www.springer.com/978-2-8178-0378-4

Hardcover

2013, XXIII, 306 p. 205 illus., 132 in color.
160,49 €
ISBN 978-2-8178-0378-4
Gewöhnlich versandfertig in 3-5 Werktagen.
Challenging Cases in Dermatology

The cases presented in this book will guide the reader through the process of making a diagnosis based on logical thinking. The book provides a wealth of knowledge regarding diagnostic approaches and pearls of wisdom. In addition to unusual presentations of common diseases, it includes discussions about rare diseases, complex cases, surprising diagnoses, therapeutic challenges and other important features. Becoming acquainted with such unusual cases will provide the dermatologist with increased knowledge, a wider perspective, and innovative techniques that can be used to solve diagnostic dilemmas. Readers will improve their way of thinking and data analysis, and will be able to...

Features
Challenging Cases in Dermatology provides a strategic and analytic way of thinking about unusual dermatologic presentations. Every case presented within this book is a unique story, but the clinical decision pathways used to reach an appropriate solution are similar. A wide range of cases are covered including many extremely rare diseases and rare presentations of diseases that are not, themselves, [...]

Contents

Fields of interest
Dermatologie; Pathologie

Target groups
Professional/practitioner

Type of publication
Atlas


Hardcover

Versandfertig innerhalb von 3 Tagen.

Cleft Lip and Palate

Diagnosis and Management

Cleft Lip and Palate: Diagnosis and Management is an unparalleled review of treatment concepts in all areas of cleft involvement presented by an international team of experienced clinicians. A unique feature of the book is that it largely consists of longitudinal facial and palatal growth studies of dental casts, photographs, panorexes, and cephalographs from birth to adolescence. Throughout the discussion of growth and treatment concepts, the importance of differential diagnosis in treatment planning is underscored. The underlying argument is that all the treatment goals - good speech, facial aesthetics, dental occlusion, and psychological development - may be realized without the [...]

Features
Cleft Lip and Palate: Diagnosis and Management is an unparalleled review of treatment concepts in all areas of cleft involvement presented by an international team of experienced clinicians. A unique feature of the book is that it largely consists of longitudinal facial and palatal growth studies of dental casts, photographs, panorexes, and cephalographs from birth to adolescence. Throughout the [...]

Contents
Demenzbegleiter
Leitfaden für zusätzliche Betreuungskräfte in der Pflege


Contents

Fields of interest
Krankenpflege

Target groups
Professional/practitioner

Type of publication
Professional book

More on www.springer.com/978-3-642-34283-7

Versandfertig innerhalb von 3 Tagen.

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Diagnostic Principles and Applications
Avoiding Medical Errors, Passing Board Exams, and Providing Informed Patient Care

This book fills the need for a resource presenting important diagnostic facts that clinicians should have learned during their classroom lectures and subsequent clinical training, but often didn’t. The content will be literature-based information that can help the clinician avoid diagnostic errors. Most other diagnosis books on the market are either “physical diagnosis” texts targeting student readers or “diagnostic application” books intended for use by practicing physicians, though both types of books aim to be comprehensive. What sets this book apart from other diagnosis books is that it is a curated collection of facts, tailored specifically to address common gaps in clinical [...] 

Features
Which disease should you consider when a young adult has localized bone pain that is dramatically relieved by aspirin? What is sometimes the only physical manifestation of bulimia nervosa? These so-called “old fashioned” historical clues and physical signs are not only part of our medical heritage; their deployment can often spell the difference between prompt clinical diagnosis versus a costly [...] 

Contents
Undifferentiated problems - Infants and children - The nervous system - The eye - The ear, nose and throat - The cardiovascular system - The respiratory system - The digestive system - The kidney and male genitourinary system - The female reproductive system - The musculoskeletal system - The skin and subcutaneous tissues - The endocrine and metabolic systems - Blood and hematologic system - Infections and infestations - Mental health problems - Laboratory and imaging diagnostics - Appendix: Glossary of statistical terms used in this book.

Fields of interest
Dermatologie; Pädiatrie

Target groups
Professional/practitioner

Type of publication
Professional book

More on www.springer.com/978-88-470-2858-6

Harcover
Versandfertig innerhalb von 3 Tagen.

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Differential Diagnosis in Pediatric Dermatology

This book is devoted exclusively to differential diagnosis in pediatric dermatology. It covers the full range of relevant conditions: inherited skin disorders; nevi; viral, bacterial, fungal, and parasitic infections; acute; allergic diseases; autoimmune skin disorders; connective tissue diseases; tumors; and miscellaneous conditions. Each comparison addresses the differential diagnosis between two (or occasionally three or four) dermatological conditions, containing between two and six images and a short text emphasizing the clinical differences between the diseases in question. At the end of each chapter, a summary highlights one or two characteristics essential for the differential [...]

Features
Differential diagnosis in pediatric dermatology requires not only a direct experience in the field, but also an inclination to symptoms observations and analysis. This book, the first exclusively devoted to this topic, covers the full range of relevant conditions: inherited skin disorders; nevi; viral, bacterial, fungal, and parasitic infections; acute; allergic diseases; connective tissue disorders; connective [...] 

Contents
Inherited Skin Disorders - Nevi - Viral Infections - Bacterial Infections - Fungal Infections - Parasitic Infections - Acne - Allergic Diseases - Autoimmune Skin Disorders - Miscellaneous Items - Connective Tissue Diseases - Tumors.

Fields of interest
Dermatologie; Pädiatrie

Target groups
Professional/practitioner

Type of publication
Monograph

More on www.springer.com/978-88-470-2858-6

Hardcover
Versandfertig innerhalb von 3 Tagen.
Encyclopedia of Otolaryngology, Head and Neck Surgery

Otolaryngology Head and Neck Surgery is the medical and surgical specialty addressing disorders of the head and neck in both adult and pediatric populations. The goal of the encyclopedia is to serve as a single and comprehensive source of all the information that is essential for students and practitioners of the specialty. The vast amount of information included in the encyclopedia is divided into 5 volumes in line with the subspecialties of general otolaryngology, head and neck surgery, pediatric otolaryngology, otology-neurotology, and facial plastics. All volume editors are internationally recognized otolaryngologists with experience in publishing. Each section editor recruited [...] Features

The encyclopedia of otolaryngology-head and neck surgery will be a comprehensive collection of works that will serve as a complete source of information for all otolaryngologists, including the ones in training and interested medical students or health care personnel. This reference work will be multivolume, divided into 5 distinct sections, each section approximately 1000 pages long. Each volume will [...] Contents


HNO; Kopf-Hals-Chirurgie; Pädiatrie; Plastische Chirurgie

Target groups

Professional/practitioner

Type of publication

Encyclop(a)edia

More on www.springer.com/978-3-642-23498-9

Hardcover

2013. LIV, 3082 p. 1467 illus., 909 in color.
1.819,00 €
ISBN 978-3-642-23498-9

Gewöhnlich versandfertig in 3-5 Werktagen.

Endocrinology of Physical Activity and Sport

Second Edition

Understanding the influence and interaction between physical activity and the endocrine system are of paramount importance in dealing with a multitude of health problems. In Endocrinology of Physical Activity and Sport, renowned physicians and researchers provide a comprehensive and expanded update on the scientific, clinical and practical components of endocrinology as related to sport and exercise. The authors thoroughly review what is known about how such activity affects the endocrine system and how in turn these hormonal responses affect many other organs and systems of the body. In addition, aspects of endocrinology in non-glandular tissue which have endocrine actions are [...] Features

Understanding the influence and interaction between physical activity and the endocrine system are of paramount importance in dealing with a multitude of health problems. In Endocrinology of Physical Activity and Sport, renowned physicians and researchers provide a comprehensive and expanded update on the scientific, clinical and practical components of endocrinology as related to sport and exercise. The [...] Contents


Endokrinologie; Innere Medizin

Target groups

Professional/practitioner

Type of publication

Monograph

More on www.springer.com/978-3-642-35502-8

Hardcover

2013. XIV, 204 p. 65 illus., 61 in color.
160,45 €
ISBN 978-3-642-35502-8

Gewöhnlich versandfertig in 3-5 Werktagen.

Female Alopecia

Guide to Successful Management

Few dermatologic problems carry as many emotional overtones as hair loss in women, which is by far the most common hair problem encountered in daily clinical practice. Fortunately, a specific diagnosis can usually be established through the application of appropriate examinations and tests, and treatment suited to the diagnosis is likely to control the problem. This comprehensively illustrated monograph provides both specialists and primary care physicians with the practical know-how required for successful management of hair loss in female patients of all ages. The book opens by critically examining various myths about hair loss. The different examination techniques are then [...] Features

Few dermatologic problems carry as many emotional overtones as hair loss in women, which is by far the most common hair problem encountered in daily clinical practice. Fortunately, a specific diagnosis can usually be established through a detailed patient history, examination of the scalp and pattern of hair loss, a simple pull test, dermoscopy of the scalp and hair (trichoscopy), a few pertinent screening [...] Contents


Dermatologie; Gynäkologie; Innere Medizin

Target groups

Professional/practitioner

Type of publication

Monograph

More on www.springer.com/978-3-642-35502-8

Hardcover

2013. XIV, 204 p. 65 illus., 61 in color.
149,79 €
ISBN 978-3-642-35502-8

Gewöhnlich versandfertig innerhalb von 3 Tagen.
**Gamma Knife Neurosurgery in the Management of Intracranial Disorders**

The articles in this volume cover the various options of the optimal management of brain tumors, vascular lesions, and functional disorders. They provide a good balance between microneurosurgery and radiosurgery, presenting also alternative surgical and radiosurgical treatment options with discussions on their advantages and disadvantages. The presentation of multiple treatment methods will help to provide better service to patients. Some papers, specifically highlighting alternative treatment options, are accompanied by editorials prepared by recognized experts in the field. Additional emphasis is put on importance of the advanced neuroimaging techniques for radiosurgical treatment.[…]

**Features**
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**Contents**
Practice of Gamma Knife surgery: Concept of robotic Gamma Knife micro radiosurgery and results of its clinical application in benign skull base tumors.- Contemporary role of microsurgery, radiosurgery, and stereotactic radiotherapy in management of vestibular schwannomas.- Whether Gamma Knife radiosurgery is really necessary for treatment of patients with vestibular schwannomas?- Do we really still need an open surgery for treatment of patients with vestibular schwannomas?- Stereotactic radiosurgery and hypofractionated stereotactic radiotherapy for management of vestibular schwannomas:[…]

**Fields of interest**
Neurochirurgie

**Target groups**
Professional/practitioner

**Type of publication**
Proceedings
More on www.springer.com/978-3-642-31414-8

**Hardcover**
2013. VI, 237 p. 109 illus., 60 in color.
181,85 €

**Gewöhnlich versandfertig in 3-5 Werktagen.**

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**Human Fetal Tissue Transplantation**

Many diseases earlier considered to be incurable are now being treated with modern innovations involving fetal tissue transplants and stem cells derived from fetal tissues. Fetal tissues are the richest source of fetal stem cells as well as other varying states of differentiated cells and support or stromal cells. The activity of such stem cells is at their peak provided they are given the correct niche. Stem cells, as we know, are immortal cells with the capacity to regenerate into any kind of differentiated cell as per niche-guidance. As such, fetal tissues have the potential capacity to mend, regenerate and repair damaged cells or tissues in adults, when directly transplanted to[…]

**Features**
Over the past decade there have been major advances in the field of regenerative medicine with the promise to bring to reality, cures for debilitating diseases such as diabetes, heart failure, and Parkinson’s disease. Cellular products from a variety of sources are being evaluated for their ability to replace damaged tissue. Fetal tissues consist of stem cells and progenitor cells which have undergone […]

**Fields of interest**
Hematologie; Pathologie

**Target groups**
Research

**Type of publication**
Contributed volume
More on www.springer.com/978-3-642-31414-8

**Hardcover**
2013. XXIX, 462 p. 124 illus., 92 in color.
181,85 €

**Gewöhnlich versandfertig in 3-5 Werktagen.**

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**Imaging in Nuclear Medicine**

This volume addresses a wide range of issues in the field of nuclear medicine imaging, with an emphasis on the latest research findings. Initial chapters set the scene by considering the role of imaging in nuclear medicine from the medical perspective and discussing the implications of novel agents and applications for imaging. The physics at the basis of the most modern imaging systems is described, and the reader is introduced to the latest advances in image reconstruction and noise correction. Various novel concepts are then discussed, including those developed within the framework of the EURATOM FP7 MADEIRA research project on the optimization of imaging procedures in order to[…]

**Features**
This volume addresses a wide range of issues in the field of nuclear medicine imaging, with an emphasis on the latest research findings. Initial chapters set the scene by considering the role of imaging in nuclear medicine from the medical perspective and discussing the implications of novel agents and applications for imaging. The physics at the basis of the most modern imaging systems is described, and […]

**Contents**
Imaging in nuclear medicine.- The role of imaging in nuclear medicine: the medical perspective.- Physics of imaging in nuclear medicine.- Tomographic and hybrid imaging in nuclear medicine.- Perspectives in nuclear medicine tomography: a physicist’s point of view.- Reconstruction algorithms and scanning geometries in tomographic imaging.- Advances in SPECT image reconstruction.- New approaches to quality assurance in medical imaging.- The EURATOM FP7 collaborative project MADEIRA.- Image magnification with an insert PET probe.

**Fields of interest**
Nuklearmedizin; Bildgebende Verfahren / Radiologie; Medizinische und Strahlenphysik

**Target groups**
Professional/practitioner

**Type of publication**
Contributed volume
More on www.springer.com/978-3-642-31414-8

**Hardcover**
2013. VI, 237 p. 109 illus., 60 in color.
106,99 €
ISBN 978-3-642-31414-8

**Gewöhnlich versandfertig in 3-5 Werktagen.**
Innovative Technologies and Non-Invasive Procedures in Bariatric Surgery

The majority of the obese population still does not take advantage of the available surgical possibilities. Clinical research should be oriented towards less invasive procedures that could be accepted by the mainstream. In 2012, most non-invasive bariatric techniques are still not standardized or sufficiently assessed, but they are being constantly upgraded. The purpose of this book is to spark a discussion between experts from around the world, and to gather relevant information on new technologies that will make it possible to enlarge the vision of bariatric care to a growing number of morbid obese and non-morbid obese patients.

Features
The majority of the obese population still does not take advantage of the available surgical possibilities. Clinical research should be oriented towards less invasive procedures that could be accepted by the mainstream. In 2012, most non-invasive bariatric techniques are still not standardized or sufficiently assessed, but they are being constantly upgraded. The purpose of this book is to spark a discussion [...]
Learning Chest Imaging

Radiology of the thorax forms an indispensable element of the basic diagnostic process for many conditions and is of key importance in a variety of medical disciplines. This user-friendly book provides an overview of the imaging techniques used in chest radiology and presents numerous instructive case-based images with accompanying explanatory text. A wide range of clinical conditions and circumstances are covered with the aim of enabling the reader to confidently interpret chest images by correctly identifying structures of interest and the causes of abnormalities. This book, which will be an invaluable learning tool, forms part of the Learning Imaging series for medical students, [...]
Management of Colorectal Cancers in Older People

This book aims to provide an up-to-date review of the literature in each of the major areas relating to the management of older colorectal cancers patients, and makes recommendations for best practice and future research. The authors come from a broad geographic spread including the UK, mainland Europe and North America to ensure a worldwide relevance.

Contents

Fields of interest
Onkologie; Geriatrie / Gerontologie; Chirurgische Onkologie

Target groups
Professional/practitioner

Type of publication
Contributed volume


Hardcover
2013. VIII, 178 p. 12 illus., 8 in color.
149,75 €
Gewöhnlich versandfertig in 3-5 Werktagen.

Molecular Genetic Pathology

Molecular Genetic Pathology, Second Edition presents up-to-date material containing fundamental information relevant to the clinical practice of molecular genetic pathology. Fully updated in each area and expanded to include identification of new infectious agents (H1N1), new diagnostic biomarkers and biomarkers for targeted cancer therapy. This edition is also expanded to include the many new technologies that have become available in the past few years such as microarray (AmpliChip) and high throughput deep sequencing, which will certainly change the clinical practice of molecular genetic pathology. Part 1 examines the clinical aspects of molecular biology and technology. genomics.[...]

Contents

Fields of interest
Pathologie; Onkologie; Hämatologie; Labormedizin

Target groups
Professional/practitioner

Type of publication
Handbook

2013. XIII, 1132 p. 442 illus., 347 in color. eReference.
166,54 €
ISBN 978-1-4614-4800-6
Erscheinungstermin: March 27, 2013

Oncoplastic and Reconstructive Breast Surgery

Oncoplastic and reconstructive surgery combines the most up-to-date techniques in plastic surgery with surgery for breast cancer, providing optimal oncologic and aesthetic results by means of a single procedure. This book demonstrates why oncoplastic surgery represents such an exciting tool for surgeons who undertake breast surgery. Fundamental principles and basic concepts are clearly outlined, and diverse techniques are presented by acknowledged experts from across the world. The emphasis is very much on a “how to do” approach, with detailed guidance and advice on the various techniques. The informative text is supported by a wealth of color illustrations, and accompanying videos of[...]

Contents

Fields of interest
Plastische Chirurgie; Chirurgische Onkologie; Allgemeinchirurgie

Target groups
Professional/practitioner

Type of publication
Contributed volume

More on www.springer.com/978-88-470-2651-3

Hardcover
2013. XX, 461 p. 409 illus., 360 in color.
181,85 €
Versandfertig innerhalb von 3 Tagen.
Painful Diabetic Polyneuropathy
A Comprehensive Guide for Clinicians

Painful diabetic polyneuropathy is the most common and disturbing of painful conditions experienced by people with diabetes. As the diabetes rate continues to grow, the number of people suffering from painful diabetic polyneuropathy will as well – increasing both patient suffering and demands on healthcare resources. Painful Diabetic Polyneuropathy covers all aspects of these painful disorders from pathophysiology and diagnosis, treatment and prevention, future approaches and the nursing perspective, to billing issues and the patient’s experience. Written by experts in their fields, each chapter presents the full perspective of these painful disorders with an emphasis on [...]

Contents

Fields of interest
Schmerztherapie; Diabetologie; Neurologie; Allgemeinmedizin; Innere Medizin; Endokrinologie

Target groups
Professional/practitioner

Type of publication
Contributed volume


Hardcover
2013. XV, 204 p. 8 illus., 4 in color.
149,75 €

Gewöhnlich versandfertig in 3-5 Werktagen.

Patient Surveillance After Cancer Treatment

Patient Surveillance After Cancer Treatment covers the history of cancer patient surveillance after curative-intent treatment, the rationale, the methodologies used in the past and at present, the methodologies that will probably emerge in the future, the costs of surveillance, the definitions of various terms used in the field, and how those who are interested in the topic can get more information about it from the internet. The secondary focus of the book is to publicize the need for well-designed, adequately powered randomized clinical trials comparing two (or more) surveillance strategies for each type of cancer. The audience includes all oncologists, cancer researchers, medical [...]

Features
Patient Surveillance After Cancer Treatment covers the history of cancer patient surveillance after curative-intent treatment, the rationale, the methodologies used in the past and at present, the methodologies that will probably emerge in the future, the costs of surveillance, the definitions of various terms used in the field, and how those who are interested in the topic can get more information about it [...]

Contents

Fields of interest
Onkologie; Chirurgische Onkologie; Strahlentherapie; Krebstorschung

Target groups
Research

Type of publication
Contributed volume

More on www.springer.com/978-1-60327-968-0

Hardcover
2013. XXI, 538 p. Illus., 8 in color. (Current Clinical Oncology)
192,55 €
ISBN 978-1-60327-968-0

Gewöhnlich versandfertig in 3-5 Werktagen.

Pediatric Endocrinology

A state-of-the-art and concise guide to the clinical management of pediatric endocrine disorders, the second edition of the highly regarded Pediatric Endocrinology: A Practical Clinical Guide covers the most common and challenging conditions seen by practicing endocrinologists and primary care physicians, including growth, hypothalamic, pituitary, adrenal, thyroid, calcium and bone, and reproductive disorders, as well as metabolic syndromes. This expanded second edition includes new topics being seen more commonly in pediatric endocrinology practices related to obesity and type 2 diabetes mellitus and lipid disorders. Each chapter contains an introductory discussion of the problem, [...]

Features
A state-of-the-art and concise guide to the clinical management of pediatric endocrine disorders, the second edition of the highly regarded Pediatric Endocrinology: A Practical Clinical Guide covers the most common and challenging conditions seen by practicing endocrinologists and primary care physicians, including growth, hypothalamic, pituitary, adrenal, thyroid, calcium and bone, and reproductive [...]

Contents

Fields of interest
Endokrinologie; Pädiatrie; Häusärztliche Medizin; Innere Medizin

Target groups
Professional/practitioner

Type of publication
Contributed volume

More on www.springer.com/978-1-60761-394-7

Hardcover
2013. XV, 624 p. 82 illus., 33 in color. (Contemporary Endocrinology)
149,75 €

Gewöhnlich versandfertig in 3-5 Werktagen.
Penile Cancer
Diagnosis and Treatment
Penile Cancer: Diagnosis and Management provides a comprehensive overview of penile cancer for medical and surgical urologists, oncologists, and other healthcare professionals. This book highlights many of the significant advances made in this field, which include a discussion of penile-sparing surgical and radiotherapeutic approaches to select primary penile tumors typically of lower stage and grade as well as advances in our understanding of the epidemiology, risk factors, and pathophysiology of penile cancer. The book also addresses many of the novel diagnostic and therapeutic surgical approaches to inguinal lymph nodes, including dynamic sentinel node biopsy and minimally invasive [...]
RNA and Cancer

Accumulating evidence supports the role of defects in post-transcriptional gene regulation in the development of cancer. RNA and Cancer examines the recent advances in our understanding of post-transcriptional gene regulation, especially RNA processing and its role in cancer development and treatment. A particular focus is on RNA splicing, but other topics such as microRNAs, mRNA stability, the perinuclear compartment, and oligonucleotide therapeutics are also covered in detail. All chapters have been written by internationally renowned experts. The book is intended for all with an interest in gene regulation and cancer biology, and especially for those not directly working on RNA...

Features
In the last decade, it has become increasingly clear that RNA is not simply a messenger molecule directing protein synthesis. Rather, it has multiple, versatile functional roles in cells, especially in mammalian gene regulation, and thereby influences almost every aspect of cellular life. This book reviews recent progress in selected areas of RNA processing in which information of particular...

Contents

Fields of interest
Onkologie; Krebsforschung; Humangenetik; Medi zinische Biochemie

Target groups
Professional/practitioner

Type of publication
Contributed volume

More on www.springer.com/978-3-642-31658-6

Hardcover
2013. XIII, 245 p. 23 illus., 5 in color. (Cancer Treatment and Research)
160,45 €
ISBN 978-3-642-31658-6
Gewöhnlich versandfertig in 3–5 Werktagen.

Reconstructive Surgery of the Rectum, Anus and Perineum

Reconstructive Surgery of the Rectum, Anus and Perineum provides the reader with a didactic discussion of complex problems which require re-operative surgery; including details of preoperative investigation, postoperative follow-up and a detailed operative approach. This comprehensive and detailed text uses a formulated algorithm approach to these complicated cases using operative photographs and composite explanatory line drawings which complement ‘how-to’ guides in describing the operative technical tips and pitfalls from experienced commentators. Reconstructive Surgery of the Rectum, Anus and Perineum, is written by leading world experts in the field of colo rectal surgery and is a [...]

Features
Reconstructive Surgery of the Rectum, Anus and Perineum provides the reader with a didactic discussion of complex problems which require re-operative surgery; including details of preoperative investigation, postoperative follow-up and a detailed operative approach. This comprehensive and detailed text uses a formulated algorithm approach to these complicated cases using operative photographs [...]

Contents

Fields of interest
Kolorektale Chirurgie; Allgemeinchirurgie; Gynäkologie; Chirurgie

Target groups
Professional/practitioner

Type of publication
Contributed volume

More on www.springer.com/978-1-84882-412-6

Hardcover
2013. XXIII, 606 p. 236 illus., 116 in color. With online files/updates.
231,89 €
ISBN 978-1-84882-412-6
Gewöhnlich versandfertig innerhalb von 3 Tagen.

Regional Therapie maligner Tumoren

Die regionale Chemotherapie (RCT), eine örtlich auf den Tumor begrenzte Chemotherapie, kann teilweise der erste Schritt innerhalb eines umfassenden Therapieplans sein. Hier wird dem soliden Tumor das Medikament über die versorgende Arterie zugeführt mit dem Ziel, den Tumor vor der Operation zu verkleinern. Die Herausgeber und Autoren sind national und international renommierte Spezialisten auf dem Gebiet des RCT und beschäftigen sich seit vielen Jahren mit dieser Technik. Sie stellen die ganze Bandbreite der Behandlungsmöglichkeiten vor und zeigen sowohl die Vorteile als auch die Grenzen des Behandlungskonzeptes und der RCT auf: Begrenzung auf eine kleine Körperregionen; geringer [...]

Features
Die regionale Chemotherapie (RCT), eine örtlich auf den Tumor begrenzte Chemotherapie, kann teilweise der erste Schritt innerhalb eines umfassenden Therapieplans sein. Hier wird dem soliden Tumor das Medikament über die versorgende Arterie zugeführt mit dem Ziel, den Tumor vor der Operation zu verkleinern. Die Herausgeber und Autoren sind national und international renommierte Spezialisten auf dem [...]

Contents

Fields of interest
Onkologie

Target groups
Professional/practitioner

Type of publication
Contributed volume

More on www.springer.com/978-3-642-35013-9

Hardcover
2013. XVIII, 426 S. 139 Abb., 88 in Farbe.
129,99 €
ISBN 978-3-642-35013-9
Versandfertig innerhalb von 3 Tagen.
Renal Pharmacotherapy

Dosage Adjustment of Medications Eliminated by the Kidneys

As the population of patients with acute or chronic kidney disease grows, healthcare professionals need a resource that optimizes drug effectiveness while minimizing potential toxicity. Renal Pharmacotherapy is a comprehensive listing of dosage recommendations for patients with compromised renal function. This up-to-date and evidence-based reference closes several identified knowledge gaps concerning medications eliminated by the kidneys. Conveniently listed alphabetically by generic drug name, each drug has its own face page featuring typical dosing ranges, alternative dosing adjustments by strata of renal function, specific dosing for dialysis and other dosing schemes. This work [...]
Syndrome-based Approach to Diagnosis
A Practical Guide

Many young, inexperienced doctors, have difficulty pinpointing a diagnosis: Is it a condition to which certain diseases could belong, or a disease definable in line with certain criteria? How can I apply my basic knowledge of diseases to a real patient? How can I find the correct diagnosis for a disease that I am seeing for the very first time? The traditional diagnostic pathways conveyed by current methods of teaching, from visual identification of the disease, knowledge of diseases, understanding of symptoms or patterns to diagnosis, leave certain diagnostic questions unanswered, especially on first experience of such a clinical pattern. Syndrome-based Approach to Diagnosis: A[#]

Features
Many young, inexperienced doctors, have difficulty pinpointing a diagnosis: Is it a condition to which certain diseases could belong, or a disease definable in line with certain criteria? How can I apply my basic knowledge of diseases to a real patient? How can I find the correct diagnosis for a disease that I am seeing for the very first time? The traditional diagnostic pathways conveyed by current [#]

Contents

Fields of Interest
Medizin (allgemein); Medizinische Bildung

Target Groups
Professional/practitioner

Type of Publication
Monograph


Hardcover
2013. XVII, 112 p. 17 illus., 16 in color.
106,99 €
Gewöhnlich versandfertig in 3-5 Werktagen.

Philosophie

E. Benenson, University of Cologne, Germany

Syndrome-based Approach to Diagnosis
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Fields of Interest
Medizin (allgemein); Medizinische Bildung

Target Groups
Professional/practitioner

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Monograph


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Contents

Fields of Interest
Medizin (allgemein); Medizinische Bildung

Target Groups
Professional/practitioner

Type of Publication
Monograph


Hardcover
2013. XVII, 112 p. 17 illus., 16 in color.
106,99 €
Gewöhnlich versandfertig in 3-5 Werktagen.

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Features
Many young, inexperienced doctors, have difficulty pinpointing a diagnosis: Is it a condition to which certain diseases could belong, or a disease definable in line with certain criteria? How can I apply my basic knowledge of diseases to a real patient? How can I find the correct diagnosis for a disease that I am seeing for the very first time? The traditional diagnostic pathways conveyed by current [#]

Contents

Fields of Interest
Medizin (allgemein); Medizinische Bildung

Target Groups
Professional/practitioner

Type of Publication
Monograph


Hardcover
2013. XVII, 112 p. 17 illus., 16 in color.
106,99 €
Gewöhnlich versandfertig in 3-5 Werktagen.

Philosophie

E. Benenson, University of Cologne, Germany

Syndrome-based Approach to Diagnosis
A Practical Guide

Many young, inexperienced doctors, have difficulty pinpointing a diagnosis: Is it a condition to which certain diseases could belong, or a disease definable in line with certain criteria? How can I apply my basic knowledge of diseases to a real patient? How can I find the correct diagnosis for a disease that I am seeing for the very first time? The traditional diagnostic pathways conveyed by current methods of teaching, from visual identification of the disease, knowledge of diseases, understanding of symptoms or patterns to diagnosis, leave certain diagnostic questions unanswered, especially on first experience of such a clinical pattern. Syndrome-based Approach to Diagnosis: A[#]

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Medizin (allgemein); Medizinische Bildung

Target Groups
Professional/practitioner

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Monograph


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Functions: selection and mechanisms

This volume handles in various perspectives the concept of function and the nature of functional explanations, topics much discussed since two major and conflicting accounts have been raised by Larry Wright and Robert Cummins’ papers in the 1970s. Here, both Wright’s ‘etiological theory of functions’ and Cummins’ ‘systemic’ conception of functions are refined and elaborated in the light of current scientific practice, with papers showing how the ‘etiolog- cal’ theory faces several objections and may in reply be revisited, while its counterpart became ever more sophisticated, as researchers discovered fresh appli- cations for it. Relying on a firm knowledge of the original positions.[...]

Features

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Virtuous Thoughts: The Philosophy of Ernest Sosa

This collection is a major contribution to the understanding and evaluation of Ernest Sosa's profound and wide-ranging philosophy, in epistemology and beyond. A balanced, fair and critical volume, it offers a sensitive appreciation of his wide philosophical purview, a nuanced assessment of the depth of his thought, and a spur to exploring the links between the varied topics explored by the subtle mind of this great American scholar. The papers explore a wealth of Sosa's academic interests, including his work on philosophical method, the philosophy of mind and language, metaphysics, and value theory, in addition to his output on epistemology itself. It offers, for example, a [...]
All-Optical Noninvasive Delayed Feedback Control of Semiconductor Lasers

The stabilization of unstable states hidden in the dynamics of a system, in particular the control of chaos, received much attention in the last years. In this work, a well-known control method called delayed feedback control is applied for the first time entirely in the all-optical domain. A multisection semiconductor laser receives optical feedback from an external Fabry-Perot interferometer. The control signal is a phase-tunable superposition of the laser signal, and provokes the laser to operate in an otherwise unstable periodic state with a period equal to the time delay. The control is noninvasive, because the reflected signal tends to zero when the target state is reached.

Features

The stabilization of unstable states hidden in the dynamics of a system, in particular the control of chaos, has received much attention in the last years. Sylvia Schikora for the first time applies a well-known control method called delayed feedback control entirely in the all-optical domain. A multisection semiconductor laser receives optical feedback from an external Fabry-Perot interferometer. The [...]
Chaos and Complex Systems

Proceedings of the 4th International Interdisciplinary Chaos Symposium

Complexity Science and Chaos Theory are fascinating areas of scientific research with wide-ranging applications. The interdisciplinary nature and ubiquity of complexity and chaos are features that provide scientists with a motivation to pursue general theoretical tools and frameworks. Complex systems give rise to emergent behaviors, which in turn produce novel and interesting phenomena in science, engineering, as well as in the socio-economic sciences. The aim of all Symposia on Chaos and Complex Systems (CCS) is to bring together scientists, engineers, economists and social scientists, and to discuss the latest insights and results obtained in the area of corresponding [...] 

Features

Complexity Science and Chaos Theory are fascinating areas of scientific research with wide-ranging applications. The interdisciplinary nature and ubiquity of complexity and chaos are features that provide scientists with a motivation to pursue general theoretical tools and frameworks. Complex systems give rise to emergent behaviors, which in turn produce novel and interesting phenomena in science, [...] 

Contents


Fields of interest

Statistische Physik, dynamische Systeme und Komplexität; Komplexität; Complex Systems

Target groups

Research

Type of publication

Proceedings

More on www.springer.com/978-3-642-32954-8

Hardcover

2013, XV, 428 p. 175 illus., 113 in color. (Springer Series in Surface Sciences, Band 50) 139,05 € ISBN 978-3-642-32954-8 Gewöhnlich versandfertig in 3-5 Werktagen.

Experimentalphysik 2

Elektrizität und Optik


Features


Contents


Fields of interest

Klassische Elektrodynamik, Wellen und Felder; Angewandte Optik, Optoelektronik

Target groups

Lower undergraduate

Type of publication

Undergraduate textbook

More on www.springer.com/978-3-642-29943-8

Softcover

2013, XVI, 482 S. 690 Abb., 300 in Farbe. (Springer-Lehrbuch) 39,95 € ISBN 978-3-642-29943-8

Versandfertig innerhalb von 3 Tagen.
Interaction of Ultra-Short Electromagnetic Pulses with Matter

The book is devoted to the theory describing the interaction of ultra-short electromagnetic pulses (USP) with matter, including both classical and quantum cases. This theme is a hot topic in modern physics because of the great achievements in generating USP. Special attention is given to the peculiarities of UPS-matter interaction. One of the important items of this book is the derivation and applications of a new formula which describes the total photo-process probability under the action of USP in the framework of perturbation theory. Strong field-matter interaction is also considered with the use of the Bloch formalism in a two-level approximation for UPS with variable characteristics.

Features
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Contents

Fields of interest
Wechselwirkung mit starken Feldern, Laser-Matter-Interaction, Lasertechnik und -physik, Photonen, Klassische Elektrodynamik, Wellen und Felder

Target groups
Research

Type of publication
Reference work

More on www.springer.com/978-3-642-32187-0

Hardcover
2013. Approx. 515 p. (Molecules and Radicals, Teil 20C1g)
cia. 4.590,30 €
ISBN 978-3-642-32187-0
Erscheinungstermin: January 7, 2013

Le Verrier—Magnificent and Detestable Astronomer

Le Verrier was a superb scientist. His discovery of Neptune in 1846 made him the most famous astronomer of his time. He produced a complete theory of the motions of the planets which served as a basis for planetary ephemeris for a full century. Doing this, he discovered an anomaly in the motion of Mercury which later became the first proof of General Relativity. He also founded European meteorology. However his arrogance and bad temper created many enemies, and he was even fired from his position of Director of the Paris Observatory.

Features
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Contents
The young years (1811-1845).- Neptune’s discovery (1845-1846).- Waiting for the Paris Observatory (1847-1843).- Director of the Observatory (1844-1870).- The dictator.- The fall (1870-1872).- The second reign (1873-1877).- Longitudes via telegraph.- The creator of European meteorology.- Le Verrier’s heritage.

Fields of interest
Astronomie, Beobachtungen und Techniken, Wissenschaftsgeschichte, Geschichte und philosophische Grundlagen der Physik

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-1-4614-5564-6

Hardcover
2013. XV, 337 p. 182 illus., 25 in color. (Astrophysics and Space Science Library, Band 397)
139,05 €
ISBN 978-1-4614-5564-6
Gewöhnlich versandfertig in 3-5 Werktagen.
Planets, Stars and Stellar Systems

Volume 1: Telescopes and Instrumentation

This is volume 1 of Planets, Stars and Stellar Systems, a six-volume compendium of modern astronomical research, covering subjects of key interest to the main fields of contemporary astronomy. This volume on "Telescopes and Instrumentation" edited by Ian S. McLean presents, after a general Introduction to Telescopes, accessible review chapters on Robotic and Survey Telescopes, Segmented Mirror Telescopes, Honeycomb Mirrors for Large Telescopes, Active Thin-Mirror Telescopes, Optical and Infrared Interferometers, Submillimeter Telescopes, Radio Telescopes, Space Telescopes in the Ultraviolet, Optical, and Infrared (UV/O/IR), CMB Telescopes and Optical Systems, Very High-Energy...[...]

Contents

Fields of interest
Astronomie, Beobachtungen und Techniken; Extraterrestrische Physik, Weltraumwissenschaften

Target groups
Professional/practitioner

Type of publication
Handbook

More on www.springer.com/978-94-007-5630-5

Hardcover
2013. XVI, 627 p. 251 illus., 113 in color. Print + eReference.
507,18 €
ISBN 978-94-007-5622-9
Versandfertig innerhalb von 3 Tagen.

Planets, Stars and Stellar Systems

Volume 2: Astronomical Techniques, Software, and Data


Contents

Fields of interest
Astronomie, Beobachtungen und Techniken; Extraterrestrische Physik, Weltraumwissenschaften

Target groups
Professional/practitioner

Type of publication
Handbook

More on www.springer.com/978-94-007-5619-9

Hardcover
2013. XVI, 548 p. 239 illus., 138 in color. eReference.
451,01 €
ISBN 978-94-007-5606-9

Erscheinungstermin: February 15, 2013

Hardcover
2013. XVI, 548 p. 239 illus., 138 in color. Print + eReference.
507,18 €
ISBN 978-94-007-5607-6
Versandfertig innerhalb von 3 Tagen.

Planets, Stars and Stellar Systems

Volume 3: Solar and Stellar Planetary Systems

This is volume 3 of Planets, Stars and Stellar Systems, a six-volume compendium of modern astronomical research covering subjects of key interest to the main fields of contemporary astronomy. This volume on "Solar and Stellar Planetary Systems" edited by Linda French and Paul Kalas presents accessible review chapters from Disks to Planets, Dynamical Evolution of Planetary Systems, The Terrestrial Planets, Gas and Ice Giant Interiors, Atmospheres of Jovian Planets, Planetary Magnetospheres, Planetary Rings, An Overview of the Asteroids and Meteorites, Dusty Planetary Systems and Exoplanet Detection Methods. All chapters of the handbook were written by practicing professionals. They...[...]

Contents

Fields of interest
Astrophysik und Astrotelerechnik; Planetologie; Astronomie; Beobachtungen und Techniken

Target groups
Professional/practitioner

Type of publication
Handbook


2013. XII, 548 p. 239 illus., 138 in color. eReference.
451,01 €
ISBN 978-94-007-5606-9

Erscheinungstermin: February 15, 2013

Hardcover
2013. XII, 548 p. 239 illus., 138 in color. Print + eReference.
507,18 €
ISBN 978-94-007-5607-6
Versandfertig innerhalb von 3 Tagen.
Planets, Stars and Stellar Systems

Volume 4: Stellar Structure and Evolution


Contents

Fields of interest
Astrophysik und Astroteilchenphysik; Astronomie, Beobachtungen und Techniken; Extraterrestrische Physik, Weltraumwissenschaften

Target groups
Professional/practitioner

Type of publication
Handbook

More on [link]
2013. XVI, 796 p. 318 illus., 141 in color. Print + eReference.
474,81 €
ISBN 978-94-007-5615-1

Erscheinungstermin: February 15, 2013

Hardcover
2013. XVI, 796 p. 318 illus., 141 in color. Print + eReference.
533,93 €
ISBN 978-94-007-5616-8

Versandfertig innerhalb von 3 Tagen.

Planets, Stars and Stellar Systems

Volume 5: Galactic Structure and Stellar Populations

This is volume 5 of Planets, Stars and Stellar Systems, a six-volume compendium of modern astronomical research, covering subjects of key interest to the main fields of contemporary astronomy. This volume on "Galactic Structure and Stellar Populations" edited by Gerard F. Gilmore, presents accessible review chapters on Stellar Populations, Chemical Abundances as Population Tracers, Metal-Poor Stars and the Chemical Enrichment of the Universe, The Sub and Stellar Initial Mass Function of Simple and Composite Populations, The Galactic Nucleus, The Galactic Bulge, Open Clusters and Their Role in the Galaxy, Star Counts and the Nature of Galactic Thick Disk, The Infrared Galaxy, [...]

Contents

Fields of interest
Astrophysik und Astroteilchenphysik; Astronomie, Beobachtungen und Techniken; Extraterrestrische Physik, Weltraumwissenschaften

Target groups
Professional/practitioner

Type of publication
Handbook

More on [link]
593,81 €
ISBN 978-94-007-5612-0

Erscheinungstermin: February 15, 2013

Hardcover
667,68 €
ISBN 978-94-007-5613-7

Versandfertig innerhalb von 3 Tagen.
Progress in Nanophotonics 2

This book focuses the recent progress in nanophotonics technology to be used to develop novel nano-optical devices, fabrication technology, and advanced systems. It begins with a review of near-field excitation dynamics in molecules. Further topics include: wavelength up-converting a phonon-assisted excitation process with degenerate beams and non-degenerate beams in dye grains, fabrication method of semiconductor quantum dots including self-assembly of InAs quantum dots based on the Stenzki-Krastanov growth mode, single-nanotube spectroscopy and time-resolved spectroscopy for studying novel excitonic properties of single-walled carbon nanotubes. The striking features of excitons. [...]

Features
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Contents

Fields of interest
Lasertechnik und - physik, Photonik, Nanobereichswissenschaft und -technologie, Nanotechnologie und Mikrotechnik, Angewandte Optik, Optoelektronik, Nanotechnologie

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-3-642-35718-3

Hardcover
2013, XIII, 169 p. 131 illus., 34 in color. (Nano-Optics and Nanophotonics)
106.99 €
ISBN 978-3-642-35718-3
Gewöhnlich versandfertig in 3-5 Werktagen.

Quantum Walks and Search Algorithms
This book addresses an interesting area of quantum computation called quantum walks, which play an important role in building quantum algorithms, in particular search algorithms. Quantum walks are the quantum analogue of classical random walks. It is known that quantum computers have great power for searching unrelated databases. This power extends to many kinds of searches, particularly to the problem of finding a specific location in a spatial layout, which can be modeled by a graph. The goal is to find a specific node knowing that the particle uses the edges to jump from one node to the next. This book is self-contained with main topics that include: Grover's algorithm, describing its[...]

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Contents

Fields of interest
Quantenphysik; Quantum Computing; Theorie der Informationsverarbeitung; Quantum Information Technology; Spintronics

Target groups
Graduate

Type of publication
Graduate/advanced undergraduate textbook

More on www.springer.com/978-1-4614-6335-1

Hardcover
2013, XII, 222 p. 37 illus. (Quantum Science and Technology)
53.49 €
ISBN 978-1-4614-6335-1
Gewöhnlich versandfertig in 3-5 Werktagen.

Transition-Metal Defects in Silicon
New Insights from Photoluminescence Studies of Highly Enriched 28Si

The fundamental properties of deep luminescence centres in Si associated with transition metals such as Cu, Ag, Au, and Pt have been a focus of interest for decades, both as markers for these deleterious contaminants, and also in the quest for efficient Si-based light emission. This dissertation presents the results of ultra-high resolution photoluminescence studies of these centres in specially prepared, highly enriched 28-Si samples. The greatly improved spectral resolution due to this enrichment led to the discovery of isotopic fingerprints. These fingerprints have revealed that the detailed constituents of all of the centres previously studied had been identified incorrectly. [...]

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Contents
Introduction and Background. - History of the Observed Centres in Silicon. - Experimental Method. - Results. - Discussion and Conclusion.

Fields of interest
Festkörperphysik; Spektroskopie und Mikroskopie; Metallische Werkstoffe; Beschreibung und Auswertung von Werkstoffen

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-3-642-35078-8

Hardcover
2013, XII, 97 p. 35 illus., 19 in color. (Springer Theses)
106.99 €
ISBN 978-3-642-35078-8
Gewöhnlich versandfertig in 3-5 Werktagen.
UV-VIS and Photoluminescence Spectroscopy for Nanomaterials Characterization

Second volume of a 40-volume series on nanoscience and nanotechnology, edited by the renowned scientist Challa S.S.R. Kumar. This handbook gives a comprehensive overview about UV-visible and photoluminescence spectroscopy for the characterization of nanomaterials. Modern applications and state-of-the-art techniques are covered and make this volume essential reading for research scientists in academia and industry in the related fields.

Contents
- Geometrically Tunable Optical Properties of Metal Nanoparticles by Hao Jing, Li Zhang, and Hui Wang.
- Optical Properties of Metallic Semishells - breaking the symmetry of plasmonic nanoshells by Jian Ye and Pol Van Dorpe.
- Exploiting the tunable optical response of metallic nanoshells by Ovidio Peña-Rodriguez and Umapada Pal.
- UV-Vis spectroscopy for characterization of metal nanoparticles formed from reduction of metal ions during ultrasonic irradiation by Kenji Okitsu.
- Spectral optical properties of metallic nanoshells by Lucia B. Scaffardia, Daniel C. Schinca, Marcelo ...

Fields of interest
- Spectroscopy and Mikroskopie; Nanobereichswissenschaft und -technologie; Spektroskopie / Spektrometrie; Nanotechnologie

Target groups
- Research

Type of publication
- Hardcover

More on www.springer.com/978-3-642-27593-7

Gewöhnlich versandfertig in 3-5 Werktagen.

Advances in Biofuels

Biofuels will play a key role in the 21st century as the world faces two critical problems; volatile fuel prices and global climatic changes. Both of these are linked to the overdependence on the fossil fuels: petroleum, natural gas, and coal. Transportation is almost totally dependent on petroleum based fuels such as gasoline, diesel fuel, liquefied petroleum gas, and on natural gas. Despite a significant amount of research into biofuels, the field has not been able to replace fossil fuels. Recent advances will change this scenario. Extracting fuel from biomass has been very expensive (both monetarily and in land usage), time consuming, unusable byproducts, etc. Technology to obtain [...] 

Contents
- Prospect, Challenges and Opportunities on Biofuels in Malaysia.
- Investment Opportunities at Palm Oil Industrial Cluster (POIC) Lahad Datu with Special Reference to Biofuels.
- Biomass Conversion to Fuel (Solid, Liquid and Gas Fuel).
- In-situ Spectroscopic Monitoring of Straight Vegetable Oils Combustion.

Fields of interest
- Erneuerbare und grüne Energie; Biochemische Technik; Energietechnik

Target groups
- Graduate

Type of publication
- Hardcover

More on www.springer.com/978-1-4614-6248-4

Gewöhnlich versandfertig in 3-5 Werktagen.

Change Management

Veränderungsprozesse erfolgreich gestalten - Mitarbeiter mobilisieren. Vision, Kommunikation, Beteiligung, Qualifizierung

In Zeiten des fortschreitenden globalen Wandels sind Veränderungen für Unternehmen an der Tagesordnung. Während in der Praxis meist die Frage im Fokus steht, wie eine Veränderung fachlich-strukturell durchgeführt werden muss, scheitern viele Veränderungsprojekte daran, dass das A und O eines erfolgreichen Change Managements nicht bedacht wird: Wie holt man die betroffenen Mitarbeiter ins Boot und wie motiviert man sie, die Veränderungen mitzutragen? In diesem Buch, einem der erfolgreichsten Fachbücher zum Change Management, zeigen zwei erfahrene Organisationsentwickler, wie man einen Veränderungsprozess nicht nur fachlich, sondern auch psychologisch erfolgreich gestaltet: indem man [...] 

Contents

Fields of interest
- Arbeitswissenschaft; Organisationspsychologie; Management Praxis; Organisation / Planung; Personalmanagement; Betriebswirtschaft; Organisation, Materialwirtschaft, Logistik und Marketing in der Technik

Target groups
- Professional/practitioner

Type of publication
- Professional book

More on www.springer.com/978-3-642-30105-6

Gewöhnlich versandfertig in 3-5 Werktagen.

Psychologie

R. Pogaku, Universiti Malaysia Sabah, Kota Kinabalu, Sabah, Malaysia; R.K. Sarbatly, Universiti Malaysia Sabah, Kota Kinabalu, Sabah, Malaysia (Eds.)

Erneuerbare Energien in Kommunen

Energiegenossenschaften gründen, führen und beraten


Features

- Energiegenossenschaften erleben derzeit einen rasanten Zuwachs, denn sie sind starke Einkaufsgemeinschaften.
- Auf Grundlage des Erneuerbare-Energien-Gesetzes (EEG) werden die Genossenschaften auch immer öfter selbst zu Energieproduzenten.
- Sie stellen jedoch zahlreiche Anforderungen an das Management sowie an die Rechts- und Steuerberatung.

Contents

- Grundlagen der Energiegenossenschaften
- Grundzüge der Organisation des Feuerwehrwesens
- Internationale Erfahrungen und Forschungsstand
- Frauen und Mädchen in der Freiwilligen Feuerwehr

Gleichstellung im Feuerwehrwesen

„Gut Wehr!“ und die Heldinnen von heute

In den letzten Jahrzehnten sind Frauen sukzessive in vormals rein männerdominierte Berufsbereiche eingetreten. Eine solche Männerdomäne stellt auch das Feuerwehrwesen dar. Während Freiwillige Feuerwehren zum Teil regen Zulauf von Frauen und Mädchen verzeichnen, sind höhere Funktions- und berufliche Positionen im Feuerwehrwesen erst relativ wenig besetzt. Ilona Horwath untersucht die Gründe dafür und analysiert die Entwicklung von Gleichstellungsprozessen auf internationaler, nationaler und regionaler Ebene. Die Autorin präsentiert Ergebnisse einer regionalen Fallstudie, die mit qualitativen und quantitativen Methoden nachzeichnet, wie es zur Vergeschlechtlichung dieser...
Il suicidio oggi

Implicazioni sociali e psicopatologiche

Dai dati segnalati dall’OMS negli ultimi anni è emerso che il suicidio costituisce oggi un grave problema di salute pubblica: nei Paesi occidentali rappresenta infatti la seconda terza causa di morte nei giovani e l’ottava-nona nei soggetti anziani. Nel 2000 circa un milione di individui si è tolto la vita, mentre circa 15 milioni di persone hanno tentato il suicidio. Ciò significa, in media, una morte per circa 15 milioni di persone hanno tentato il suicidio. circa un milione di individui si è tolto la vita, mentre circa 15 milioni di persone hanno tentato il suicidio. Ciò significa, in media, una morte per [...]
Intelligent Energy Demand Forecasting

As industrial, commercial, and residential demands increase and with the rise of privatization and deregulation of the electric energy industry around the world, it is necessary to improve the performance of electric operational management. Intelligent Energy Demand Forecasting offers approaches and methods to calculate optimal electric energy allocation to reach equilibrium of the supply and demand. Evolutionary algorithms and intelligent analytical tools to improve energy demand forecasting accuracy are explored and explained in relation to existing methods. To provide clearer picture of how these hybridized evolutionary algorithms and intelligent analytical tools are processed, […]

Features

As industrial, commercial, and residential demands increase and with the rise of privatization and deregulation of the electric energy industry around the world, it is necessary to improve the performance of electric operational management. Intelligent Energy Demand Forecasting offers approaches and methods to calculate optimal electric energy allocation to reach equilibrium of the supply and […]

Contents


Fields of interest

Energiepolitik, -wirtschaft und -management; Energie technik, Simulation und Modellierung; Energiewirtschaft

Target groups

Graduate

Type of publication

Monograph

More on www.springer.com/978-1-4419-1378-4

Hardcover


Gewöhnlich versandfertig in 3-5 Werktagen.

Pathways to Illness, Pathways to Health

This book, designed for professionals, introduces a psychobiological model for understanding the paths that lead people to illness and provides recommendations for alterations of maladaptive pathways so that health is regained. Research findings are incorporated to identify causal variables for illness that can be targets for change. Evidence based recommendations for healthy behaviors and therapies are described. Throughout the book, the authors emphasize recognition of turning points on the path to illness that, through informed decision making and implementation of behavioral change, can be re-directed to pathways to health. This book presents case material to illustrate the […]

Features

Why is this person healthy when that one is ill? The trained provider is well schooled in the roles of genetics, environment, lifestyle choices, and pure luck in individuals’ well-being. But now a groundbreaking new book clearly identifies the turning points that lead from wellness to disease—and how patients can be re-routed back to health. Pathways to Illness, Pathways […]

Contents


Fields of interest

Gesundheitspsychologie; Allgemeinmedizin; Gesundheitsförderung und Krankheitsvorbeugung; Gesundheit und Lebensqualität

Target groups

Professional/practitioner

Type of publication

Monograph

More on www.springer.com/978-1-4419-1378-4

Hardcover


Gewöhnlich versandfertig in 3-5 Werktagen.

Positive Neuropsychology

Evidence-Based Perspectives on Promoting Cognitive Health

Psychology and many of its subfields have seen a significant shift over the past 10-12 years toward a focus on hope, positive attributes, and character strengths through the positive psychology movement. This book provides a blueprint for a burgeoning subfield in neuropsychology—positive neuropsychology. It proposes an alternative, evidence-based perspective on neuropsychology that incorporates positive psychology principles and a focus on promotion of cognitive health. It synthesizes existing research and provides novel perspectives on promotion of cognitive health in clinical, nonclinical, and academic settings. This work is a resource and reference for neuropsychologists, allied […]

Features

Positive psychology—the study and promotion of character strengths, positive emotion, and optimism—has gained considerable momentum and support in recent years. Yet despite its application to various specialty areas within the broader field of psychology, neuropsychology has been slow to adopt and adapt its ideas. The contributors to Positive Neuropsychology assert that neuropsychology as a […]

Contents


Fields of interest

Neuropsychologie; Geriatrie / Gerontologie; Gesundheitspsychologie; Rehabilitation

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-6604-8

Hardcover


Gewöhnlich versandfertig in 3-5 Werktagen.
Treatng NVLD in Children

Professional Collaborations for Positive Outcomes

Children with nonverbal learning disabilities (NVLD) have needs that can take many forms and may, over time, require consultation and collaboration with professionals from several fields. Given that multiple specialists may be involved in working with children with NVLD – as well as the array of treatment variables – even seasoned practitioners may find themselves in confusing situations. Treating NVLD in Children takes a developmental view of how the problems and needs of young people with nonverbal learning disabilities evolve and offers a concise guide for professionals who are likely to contribute to treatment. Expert practitioners across specialties in psychology, education, and (...)

Contents

Fields of interest
Kinderspsychologie; Psychologie der Erziehung; Pädagogik; Sozialarbeit; Psychiatrie; Familie

Target groups
Professional/practitioner

Type of publication
Contributed volume

More on www.springer.com/978-3-531-19858-3

Softcover

Von der Psychiatrie zurück in die Schule: Reintegration bei Schulvermeidung

Konzepte · Begründungen · Materialien


Features
Das Phänomen der Schulvermeidung ist facettenreich und erfordert bei psychisch erkrankten Kindern und Jugendlichen effektive Maßnahmen der schulischen Wiedereingliederung von der Psychiatrie zurück in die Regelschule. Für diese verantwortungsvolle Aufgabe bedarf es erprobter Rückführungskonzepte. Eine Auswahl an aktuellen Schulreintegrationskonzepten wird in diesem Buch einander gegenüber gestellt. Selbst (...)

Contents
Schulvermeidung - Psychiatrische Konzepte zur Behandlung bei Schulvermeidung - Schuleintegrationskonzepte - Materialien - Ausblick

Fields of interest
Pädagogische Psychologie

Target groups
Professional/practitioner

Type of publication
Professional book

More on www.springer.com/978-3-531-19858-3

Gewöhnlich versandfertig in 3-5 Werktagen.
Beyond Data Protection

Strategic Case Studies and Practical Guidance

The book deals with data protection issues from practical viewpoints. 40% of the content focus on leading comparative practical guidance from Europe. Part of the PDPA provisions is mirrored from European approaches and practices. The approach of this book is straightforward, handy and readable and is supplemented by practical applications, illustrations, tables and diagrams. Practical examples highlighted in this book range from cloud computing, radio frequency identification technology, social media networks and information security to basic related aspects of data protection issues.

Features

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Contents


Fields of interest

IPR, Internationales und ausländisches Recht, Rechtsvergleichung; Internationales IT- und Medi enrecht, Geistiges Eigentum; Medien, Medienn management

Target groups

Research

Type of publication

Monograph

More on www.springer.com/978-3-642-33080-3

Hardcover

2013, IX, 271 p. 23 illus., 16 in color.
85.55 €
ISBN 978-3-642-33080-3

Gewöhnlich versandfertig in 3-5 Werktagen.

FairEconomy

Crisis, Culture, Competition and the Role of Law

FairEconomy is a concept for a free and fair market economy. In response to the financial and economic crises of the past years, the authors develop fundamental ideas of how a market economy works, what rules markets need and who safeguards fairness and equal opportunity in such an economy. The book sets out the design of a sustainable market order: Going back to the very roots of doing business it offers a fascinating insight into the cultural and anthropological premises of the market economy. Fairness and free competition can be identified as key elements of successful markets, sometimes neglected in politics and business. Legal rules need to ensure that fairness and economic

Features

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Contents


Fields of interest

Internationales Wirtschafts- und Handelsrecht; Ethik; Recht und Ökonomie; Rechtstheorie, Rechtssphilosophie, Rechtsgeschichte; Rechtsphilosophie

Target groups

Research

Type of publication

Monograph

More on www.springer.com/978-3-642-36106-7

Hardcover

2013, XIII, 157 p. (SpringerBriefs in Law)
53.49 €
ISBN 978-3-642-35818-0

Gewöhnlich versandfertig in 3-5 Werktagen.
Intellectual Property and Development

Theory and Practice

The book examines the correlation between Intellectual Property Law – notably copyright – on the one hand and social and economic development on the other. The main focus of the initial overview is on historical, legal, economic and cultural aspects. Building on that, the work subsequently investigates how intellectual property systems have to be designed in order to foster social and economic growth in developing countries and puts forward theoretical and practical solutions that should be considered and implemented by policy makers, legal experts and the World Intellectual Property Organization (WIPO).

Features

- The book examines the correlation between Intellectual Property Law – notably copyright – on the one hand and social and economic development on the other. The main focus of the initial overview is on historical, legal, economic and cultural aspects. Building on that, the work subsequently investigates how intellectual property systems have to be designed in order to foster social and economic growth in [...]...

Contents


Fields of interest

International and Comparative Law, Rechtsvergleichung, International and Comparative Economic Law, Intellectual Property, Commercial Law, Cultural Studies

Target groups

Research

Type of publication

Monograph

More on www.springer.com/978-3-642-27906-5

Hardcover

2013, XX, 392 p. 1 illus.
139,05 €
ISBN 978-3-642-27906-5

Gewöhnlich versandfertig in 3-5 Werktagen.

International Courts and the Development of International Law

Essays in Honour of Tullio Treves

This book contains a collection of essays by leading experts linked to the outstanding characteristics of the scholar in honour of whom it is published, Tullio Treves, who combines his academic background with his practical experiences of a negotiator of international treaties and a judge of an international tribunal. It covers international public and private law related to international courts and the development of international law. Under Article 38 of its Statute, the International Court of Justice can apply judicial decisions only as a "subsidiary means for the determination of rules of law". However, there are many reasons to believe that international courts and tribunals do [...]...

Features

- This book contains a collection of essays by leading experts linked to the outstanding characteristics of the scholar in honour of whom it is published, Tullio Treves, who combines his academic background with his practical experiences of a negotiator of international treaties and a judge of an international tribunal. It covers international public and private law related to international courts and [...]...

Contents


Menschenrechte; Seerecht; Luft- und Weltraumrecht; Internationales Umweltrecht; Internationales Wirtschafts- und Handelsrecht; Völkerrecht; IPR, Internationales und ausländisches Recht, Rechtsvergleichung

Target groups

Research

Type of publication

Contributed volume

More on www.springer.com/978-90-6704-893-4

Hardcover

2013, XXXIV, 951 p.
213,95 €

Gewöhnlich versandfertig in 3-5 Werktagen.

Market Integration Through Data Protection

An Analysis of the Insurance and Financial Industries in the EU

In the context of the continuous advance of information technologies and biomedicine, and of the creation of economic blocs, this work analyzes the role that data protection plays in the integration of markets. It puts special emphasis on financial and insurance services. Further, it identifies the differences in the data protection systems of EU member states and examines the development of common standards and principles of data protection that could help build a data protection model for Mercosur. Divided into four parts, the book starts out with a discussion of the evolution of the right to privacy, focusing on the last few decades, and taking into account the development of new [...]...

Features

- In the context of the continuous advance of information technologies and biomedicine, and of the creation of economic blocs, this work analyzes the role that data protection plays in the integration of markets. It puts special emphasis on financial and insurance services. Further, it identifies the differences in the data protection systems of EU member states and provides some recommendations for the [...]...

Contents

Introduction - Chapter I - The Protection Of Personal Data: Evolution And Standards In Europe - Chapter II - Data Protection: And The Insurance, Banking And Credit Reporting Industries - Chapter III - Data Protection Systems In The European Union: The French Experience - Chapter IV - Data Protection Systems In The European Union: The Uk Experience - Chapter V - Data Protection Systems In The European Union: The Italian Experience - Chapter VI - The Differences Between The Selected Member States And The Recommendations For A Further Harmonisation In The Post Lisbon Era.

Fields of interest

IPR, Internationales und ausländisches Recht, Rechtsvergleichung; Europäische Integration; Rechtliche Aspekte der Datenverarbeitung; Europarecht; Finanzierung / Banken; Medienrecht

Target groups

Research

Type of publication

Monograph

More on www.springer.com/978-94-007-6084-4

Hardcover

2013, X, 220 p. (Law, Governance and Technology Series, Band 8)
106,95 €
ISBN 978-94-007-6084-4

Gewöhnlich versandfertig in 3-5 Werktagen.
Priorisierung in der Medizin

Kriterien im Dialog

Stetig ansteigende Kosten und die zunehmende Knappheit der zur Verfügung stehenden Ressourcen stellen unser Gesundheitssystem vor Herausforderungen. Priorisierung zielt auf eine gerechtere Verteilung von medizinischen Leistungen, indem sie die Entscheidung, welche Leistungen prioritär zu gewähren und welche nachrangig sind, auf eine breite demokratische Basis stellt und eine verdeckte Rationierung vermeidet. In dem vorliegenden Band werden erstmalig Priorisierungskriterien aus dem Blickwinkel der maßgeblichen Disziplinen diskursiv erörtert. Die Schriften bieten einen Einblick in die Arbeit der interdisziplinären DFG-Forschergruppe 655, aus der die Beiträge stammen, und regen zur weiteren Erörterung an.

Features

Stetig ansteigende Kosten und die zunehmende Knappheit der zur Verfügung stehenden Ressourcen stellen unser Gesundheitssystem vor Herausforderungen. Priorisierung zielt auf eine gerechtere Verteilung von medizinischen Leistungen, indem sie die Entscheidung, welche Leistungen prioritär zu gewähren und welche nachrangig sind, auf eine breite demokratische Basis stellt und eine verdeckte Rationierung vermeidet.

Contents


Fields of interest

Medizinrecht; Gesundheitswesen; Health Economics; Ethik

Target groups

Research

Type of publication

Contributed volume

More on www.springer.com/978-3-642-35447-2

Hardcover

2013. XV, 298 S. 9 Abb. (Kölner Schriften zum Medizinrecht, Band 11)
89,99 €
ISBN 978-3-642-35447-2
Versandfertig innerhalb von 3 Tagen.

The Function of Public International Law

This book addresses fundamental aspects of the concept of public international law in both theory and practice. The argument developed by the author is that, underlying the traditional, horizontal, structure of public international law, a vertical structure of the concept of law may be discerned. This vertical structure is seen unfolding into two, mutually exclusive, frameworks: a framework of obligation, accounting for rights and a framework of authorization, accounting for rights. The problem then arising is that a concept of public international law which only admits either rights or obligations cannot be regarded as coherent. The author, however, takes and substantiates the...

Features

This book addresses fundamental aspects of the concept of public international law in both theory and practice. The argument developed by the author is that, underlying the traditional, horizontal, structure of public international law, a vertical structure of the concept of law may be discerned. This vertical structure is seen unfolding into two, mutually exclusive, frameworks: a framework of obligation, accounting for rights and a framework of authorization, accounting for rights.

Contents

Assessment of the Nuclear Programs of Iran and North Korea

When we are looking at proliferation cases, there are a number of lessons – positive and negative – learnt. First, facts reported by the IAEA are essential for the international community in assessing the compliance and risks of possible clandestine activities. Second, the IAEA verification scheme is biting when it fully exercises its verification rights, and when it is provided with the requisite cooperation. Third, when countries face questions raised by the IAEA, those that chose to turn the course and / or cooperated to remove concerns and ambiguities resolved their nuclear dossiers in a satisfactory manner and fairly swiftly. Fourth, when states adopt the course of confrontation, […]

Features
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Contents

Fields of interest
Politikwissenschaft, allgemein; Sozialpolitik ; Nuklearenergie; Nukleartechnik

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-94-007-6018-9

Hardcover
2013. XII, 131 p. 19 illus.
106,95 €
ISBN 978-94-007-6018-9

Gewöhnlich versandfertig in 3-5 Werktagen.

Authoritarian Landscapes

Popular Mobilization and the Institutional Sources of Resilience in Nondemocracies

The turbulent year of 2011 has brought the appearance of mass popular unrest and the collapse of long lived autocratic regimes in Egypt, Tunisia, Libya and possibly Syria. The sudden and unanticipated fall of these regimes – often thought of as exemplars of authoritarian resilience – has brought much of the conventional wisdom on the durability and vulnerability of nondemocratic regimes into question. This book seeks to advance the existing literature by treating the autocratic state not as a unitary actor characterized by strength or weakness but rather as a structure or terrain that can alternatively inhibit or facilitate the appearance of national level forms of protests. In the […]

Features
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Contents

Fields of interest
Politikwissenschaft, allgemein; Vergleichende Politikwissenschaften; Politische Theorie

Target groups
Research

Type of publication
Monograph


Hardcover
2013. X, 244 p. 7 illus.
139,09 €

Gewöhnlich versandfertig in 3-5 Werktagen.

Bioarchaeology

An Integrated Approach to Working with Human Remains

Bioarchaeology is the analysis of human remains within an interpretative framework, including a wide range of contextual information. This comprehensive and much-needed manual provides both a starting point and a reference for archaeologists working in this integrative field. The authors cover a range of bioarchaeological methods and theory including: Ethical issues involved in dealing with human remains, specifically related to NAGPRA. Field and taphonomic clues. Lab and Forensic techniques. Best practices methods for Excavation techniques Special applications of Bioarchaeology. Theoretical frameworks of Bioarchaeology. With case […]

Features
Bioarchaeology is the analysis of human remains within an interpretative framework that includes contextual information. This comprehensive and much-needed manual provides both a starting point and a reference for archaeologists, bioarchaeologists and others working in this integrative field. The authors cover a range of bioarchaeological methods and theory including: Ethical issues involved in […]

Contents

Fields of interest
Archäologie; Biologische Techniken; Anthropologie

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-1-4614-6377-1

Hardcover
2013. XVII, 262 p. 30 illus., 10 in color. (Manuals in Archaeological Method, Theory and Technique)
139,09 €
ISBN 978-1-4614-6377-1

Gewöhnlich versandfertig in 3-5 Werktagen.
Bürgerbeteiligung und Web 2.0

Potentiale und Risiken webgestützter Bürgerhaushalte

Nach einer ersten Welle von Bürgerhaushalten vor 20 Jahren erlebt diese Form der Bürgerbeteiligung zurzeit einen zweiten Frühling. Ursachen sind die neuen Kommunikationsmöglichkeiten des Web 2.0 und das große Interesse an neuen Formen der Bürgerbeteiligung. Doch was ist übriggeblieben von der ursprünglichen Idee, die Bürgerinnen und Bürger in den Prozess der kommunalen Haushaltsaufstellung einzubringen zu wollen? Gelingt es tatsächlich, die Bürger an den zentralen kommunalpolitischen Weichenstellungen zu beteiligen, oder handelt es sich lediglich um eine von vielen politischen Moderscheinungen, die bald wieder verschwunden sein wird?

Features

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Contents


Fields of interest

Sozialwissenschaften (allgemein); Politikwissenschaft, allgemein

Target groups

Research

Type of publication

Monograph

More on www.springer.com/978-3-658-01035-5

Softcover

2013. XV, 181 S. 64 Abb. (Theorie und Praxis der öffentlichen Verwaltung)
34,99 €
Gewöhnlich versandfertig in 3-5 Werktagen.

Continuity and Change in Cultural Adaptation to Mountain Environments

From Prehistory to Contemporary Threats

Up until now, mountain ecosystems have not been closely studied by social scientists as they do not offer a readily defined set of problems for human exploitation as, do for instance, tropical forests or arctic habitats. But the archaeological evidence had shown that humans have been living in this type of habitat for thousands of year. From this evidence we can also see that mountainous regions are often frontier zones of competing politics and form refuge areas for dissident communities as they often are inherently difficult to control by centralized authorities. As a consequence they fuel or contribute disproportionately to political violence. But we are now witnessing changes.

Features

Continuity and Change in Cultural Mountain Adaptations: From Prehistory to Contemporary Threats presents an international and interdisciplinary account of human cultural adaptation to mountainous environments over time. Mountain ecosystems are critical to the wellbeing of sizable populations in Eurasia, the Americas, and Africa. The book presents the evidence on continuity of human cultural.

Fields of interest

Anthropologie; Ökosysteme; Humangeographie

Target groups

Research

Type of publication

Contributed volume


Hardcover

2013. X, 410 p. 151 illus., 104 in color. (Studies in Human Ecology and Adaptation, 7)
166,95 €
Gewöhnlich versandfertig in 3-5 Werktagen.
Das Forschungsprojekt

Planung, Durchführung und Auswertung einer quantitativen Studie

Dieses Lehrbuch richtet sich an alle, die (erstmais) ein eigenes empirisches Forschungsprojekt durchführen. Erklärt werden die Grundlagen, alle wichtigen Arbeitsschritte und mögliche Fehlerquellen. Zudem wird das Buch ergänzt durch Online-Materialien, die u.a. einen Beispieldatensatz ebenso wie eine kurze Einführung in SPSS und eine Statistik-Formelsammlung enthalten.

Features

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Contents


Fields of interest

Soziologie, allgemein; Sozialwissenschaften (allgemein); Communication Studies

Target groups

Upper undergraduate

Type of publication

German textbook

More on www.springer.com/978-3-531-19501-8

Versandfertig innerhalb von 3 Tagen.

Der überforderte Abiturient im Fach Deutsch

Eine qualitativ-empirische Studie zur Realisierbarkeit von Bildungstandards


Features

Michael Steinmetz hinterfragt in seiner Studie, über welche Kompetenzen die Schülerinnen und Schüler der gymnasialen Oberstufe verfügen müssen, um Literatur in einer Prüfungssituation interpretieren zu können. Sein Ziel ist es, das Sollen im Lichte des Könnens auf den Prüfstand zu stellen, statt wie sonst üblich das Können im Lichte des Sollens zu beurteilen. Aus dieser Perspektive gelingt es dem Autor, die [...]

Contents


Fields of interest

Sozialwissenschaften (allgemein); Frühkindliche Erziehung

Target groups

Research

Type of publication

Monograph

More on www.springer.com/978-3-658-00424-8

Softcover

2013. XII, 209 S. 8 Abb., 5 in Farbe.

isbn 978-3-658-00424-8

Gewöhnlich versandfertig in 3-5 Werktagen.

Die Innenpolitik der Außenpolitik

Die Große Koalition, „Governmental Politics“ und Auslandseinsätze der Bundeswehr


Features

Welchen Einfluss haben die Interessen einzelner Regierungsmänner auf die Formulierung der Mandate für Auslandseinsätze der Bundeswehr? Bei strukturalistischen Erklärungen deutscher Außenpolitik, z.B. auf der Grundlage des Rollenkonzepts der „Zivilmacht Deutschland“, geraten der Einfluss individueller Entscheidungsträger sowie inpublizitische Entscheidungsprozesse aus dem Blick. Dieser Band rückt [...]

Contents

Analytischer Rahmen: das „Governmental Politics“-Modell. - EUFOR RD Congo: „Zu Weihnachten ist die Truppe wieder daheim“. - UNAMID: „Das, was wir für die Afrikanische Union machen, das machen wir nicht bei den Vereinten Nationen verweigern“. - EUFOR Tchad/RCA und MINURCAT: „Deutschland wird sich dem politisch nicht verweigern, aber nicht daran teilnehmen“. - EU NAVFOR ATALANTA: „Wir haben ein Interesse an einem freien Seehandel“. - Bilanz und Ausblick.

Fields of interest

Politikwissenschaft, allgemein; Internationale Beziehungen

Target groups

Professional/practitioner

Type of publication

Monograph

More on www.springer.com/978-3-658-01506-0

Softcover

2013. XII, 295 S. 7 Abb.

isbn 978-3-658-01506-0

Gewöhnlich versandfertig in 3-5 Werktagen.
Die Kunst des Clusterns
Wissensvorsprung und Wettbewerbsvorteile kunstvoll vereinigen


Features

Contents

Fields of interest
Sozialwissenschaften (allgemein); Organisationsssoziologie, Wirtschaftssoziologie

Target groups
Research

Type of publication
Professional book

More on www.springer.com/978-3-531-18444-9

Softcover

Gewöhnlich versandfertig in 3-5 Werktagen.

Die Nachrichtenjournalen tagsthemen und heute journal

Features
Wie arbeiten die Redaktionen von tagsthemen und heute journal? Was macht ihre Sendungen besonders? Worin unterscheiden sie sich von den übrigen Nachrichtenangeboten? Johannes Mehne charakterisiert die Fernsehnachrichtenjournalen tagsthemen und heute journal in Abgrenzung zu den Hauptnachrichten von ARD und ZDF. Dafür untersucht er die Arbeitsweisen der Redaktionen, die Inhalte [...] 

Contents
Nachrichten.- Fernsehnachrichten.- Fernsehnachrichtenjournal. - tagsthemen und heute journal.

Fields of interest
Sozialwissenschaften (allgemein); Medienforschung

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-3-658-01649-4

Softcover
2013, VIII, 192 S. 34,99 € ISBN 978-3-658-01649-4

Gewöhnlich versandfertig in 3-5 Werktagen.

Die berufliche Geschlechtersegregation in Deutschland
Ursachen, Reproduktion, Folgen

Auf dem deutschen Arbeitsmarkt erweist sich die berufliche Geschlechtersegregation als erstaunlich stabil. Sie gilt zudem als wichtige Dimension sozialer Ungleichheit zwischen Frauen und Männern im Erwerbsleben. Daher bedarf es einer wissenschaftlichen Klärung jener zeitlichen Persistenz sowie der Folgen der Segregation für geschlechtsspezifische Chancendisparitäten. Unter Anwendung verschiedener Theorienspektren und neuerer Methoden der Längsschnittanalyse untersucht Anne Busch Ursachen jener Segregation, Mechanismen ihrer Reproduktion im Erwerbsverlauf sowie die Folgen für die „gender pay gap“. Wirkungszusammenhänge sucht sie dabei sowohl auf der Individual- als auch auf der [...] 

Features
Auf dem deutschen Arbeitsmarkt erweist sich die berufliche Geschlechtersegregation als erstaunlich stabil. Sie gilt zudem als wichtige Dimension sozialer Ungleichheit zwischen Frauen und Männern im Erwerbsleben. Daher bedarf es einer wissenschaftlichen Klärung jener zeitlichen Persistenz sowie der Folgen der Segregation für geschlechtsspezifische Chancendisparitäten. Unter Anwendung verschiedener Theorienspektren und neuerer Methoden der Längsschnittanalyse untersucht Anne Busch Ursachen jener Segregation, Mechanismen ihrer Reproduktion im Erwerbsverlauf sowie die Folgen für die „gender pay gap“. Wirkungszusammenhänge sucht sie dabei sowohl auf der Individual- als auch auf der [...] 

Contents

Fields of interest
Geschlechterforschung

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-3-658-01706-4

Softcover

Gewöhnlich versandfertig in 3-5 Werktagen.
Die politische Rhetorik der Europäischen Kommission


Features

Es gehört mittlerweile zum einigermaßen gesicherten Wissensbestand der Soziologie der europäischen Integration, dass im durch eine spezifische institutionelle Architektur geprägten Entscheidungsprozess der Europäischen Union gesellschaftliche Konflikte wie Verteilungs-, Interessen- und Wertkonflikte weitgehend entpolitisieren werden. An die Stelle von „Politik“ treten dadurch vermehrt „technokratische [...] 

Contents

Die Soziologie der europäischen Integration im deutschen Sprachraum. - Der Integrationsprozess als Fortschrittsprojekt. - Der „Bürger“ als Subjekt des europäischen Integrationsprozesses

Fields of interest

Soziologie, allgemein; Sozialwissenschaften (allgemein); Politische Theorie

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-3-658-01098-0

Dienst am Menschen - unter Wert?

Entgeltpolitik für personenbezogene Dienstleistungen


Features


Contents

Entgelt - Voraussetzungen und Verfahren. - Entgeltsysteme als Gegenstand eines zukunftsorientierten Diskurses. - Höhere Entgelte für personenbezogene Dienstleistungen - eine überfällige Korrektur?

Fields of interest

Sozialwissenschaften (allgemein); Soziologie, allgemein; Organisationssoziologie, Wirtschaftssoziologie

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-3-531-18781-5

Ehrenamtlichkeit in Palliative Care

Zwischen hospizlich-palliativer Sorgekultur und institutionalisierter Dienstleistung

Die Ehrenamtlichkeit in Palliative Care erfüllt wichtige, differenziertere Aufgaben und Funktionen im Rahmen der gesundheitlichen und sozialen Versorgungsstrukturen. Die Herausforderung für die ehrenamtliche Arbeit in Palliative Care besteht darin, sich in den veränderten organisationalen Strukturen zu positionieren und diese mit Blick auf eine hospizlich-palliative Sorgekultur zu reflektieren. Susanne Fleckinger versteht Palliative Care als Raum, in dem Ehrenamtlichkeit und Hauptamtlichkeit komplementär präsent sind und aus dessen Mitte für Sterbende und ihre Zugehörigen neue, evidenzbasierte Versorgungsstrukturen entwickelt werden können, welche die demografischen und [...] 

Features

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Contents


Fields of interest

Sozialarbeit; Sozialwissenschaften (allgemein)

Target groups

Research

Type of publication

Monograph

More on www.springer.com/978-3-658-01762-0
Europa-Studien

Eine Einführung


Features


Contents


Fields of interest

Politikwissenschaft, allgemein

Target groups

Upper undergraduate

Type of publication

German textbook

More on www.springer.com/978-3-658-00600-6

Softcover

2013, VI, 272 S. 2 Abb. 39,99 €

ISBN 978-3-658-00600-6

Gewöhnlich versandfertig in 3-5 Werktagen.

Europäische Religionspolitik

Religiöse Identitätsbezüge, rechtliche Regelungen und politische Ausgestaltung


Features


Contents


Fields of interest

Politikwissenschaft, allgemein; Vergleichende Politikwissenschaften

Target groups

Research

Type of publication

Monograph

More on www.springer.com/978-3-658-00958-8

Softcover

2013, VI, 312 S. 5 Abb. (Politik und Religion, Band 14) 39,99 €

ISBN 978-3-658-00958-8

Gewöhnlich versandfertig in 3-5 Werktagen.

Formen und Funktionen sozialer Erinnerns

Sozial- und kulturwissenschaftliche Analysen

Theorien sozialer Gedächtnisse moderner Gesellschaften stehen vor dem Problem, soziale Dynamiken und Differenzierungsprozesse zu integrieren und dabei sowohl interaktionistisch konstituierende Gruppen- und Erinnerung als auch soziohistorische Formenformen (Systeme, Diskurse, Nation etc.) im Blick zu behalten. Dieser Band versammelt theoretische Konzepte und empirische Forschungen und eröffnet theoretische Vorstellungen und Anschlussmöglichkeiten. Dabei widmet er sich Funktionen wie Vergessen, Identität und Gedächtnismitteln sowie Formierungen und Medien sozialer Gedächtnisse.

Features

Theorien sozialer Gedächtnisse moderner Gesellschaften stehen vor dem Problem, soziale Dynamiken und Differenzierungsprozesse zu integrieren und dabei sowohl interaktionistisch konstituierende Gruppen- und Erinnerung als auch soziohistorische Formenformen (Systeme, Diskurse, Nation etc.) im Blick zu behalten. Dieser Band versammelt theoretische Konzepte und empirische Forschungen und eröffnet theoretische...

Contents


Fields of interest

Soziologie, allgemein

Target groups

Upper undergraduate

Type of publication

German textbook

More on www.springer.com/978-3-658-00600-6

Softcover

2013, VI, 272 S. 2 Abb. (Soziales Gedächtnis, Erinnern und Vergessen – Memory Studies) 29,99 €

ISBN 978-3-658-00600-6

Gewöhnlich versandfertig in 3-5 Werktagen.
Geschlecht und Organisation


Features

Contents

Fields of interest
Soziologie, allgemein; Sozialwissenschaften (allgemein); Geschlechterforschung

Target groups
Professional/practitioner

Type of publication
Professional book

Softcover
2013, VIII, 541 S. 1 Abb. (Geschlecht und Gesellschaft, Band 45)
39,99 €
ISBN 978-3-531-14308-8
Versandfertig innerhalb von 3 Tagen.

Grundlagen des Journalismus

Handbuch der deutschen Parteien

Das Handbuch der deutschen Parteien schließt eine Lücke in der Parteienerzählung. Erstmals werden alle wichtigen Parteien in der jüngeren Geschichte und Gegenwart der Bundesrepublik, insgesamt 95, umfassend und systematisch in einem Band behandelt. Neben die Porträts der einzelnen Parteien treten Beiträge, die die Einzeldarstellungen in einen größeren Zusammenhang einordnen.

Features
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Contents

Fields of interest
Politikwissenschaft, allgemein; Communication Studies

Target groups
Professional/practitioner

Type of publication
Handbook

More on www.springer.com/978-3-658-00962-5

Innerschulische Wirklichkeiten neuer Steuerung

Zur Nutzung zentraler Lernstandserhebungen

In den deutschen Schulsystemen sind in der jüngeren Vergangenheit verschiedene neue Steuerungsinstrumente eingeführt worden, mit denen die Erwartung eines Paradigmenwechsels einhergeht. Hierzu zählen auch jeweils bundeslandweite, zentrale Lernstandserhebungen, die in besonderer Weise auf die Steuerungszeiten der Einzelschule und der Unterrichtsgestaltung ausgerichtet sind. Tobias Diemer untersucht, wie die Ergebnisse solcher zentraler Lernstandserhebungen in Schulen genutzt und inwiefern wesentliche Prinzipien des neuen Steuerungsparadigmas realisiert werden. Eine zentrale Rolle spielt hierbei das Prinzip der Outputorientierung, das im theoretischen Teil einer eingehenden[...]

Features
In den deutschen Schulsystemen sind in der jüngeren Vergangenheit verschiedene neue Steuerungsinstrumente eingeführt worden, mit denen die Erwartung eines Paradigmenwechsels einhergeht. Hierzu zählen auch jeweils bundeslandweite, zentrale Lernstandserhebungen, die in besonderer Weise auf die Steuerungszeiten der Einzelschule und der Unterrichtsgestaltung ausgerichtet sind. Tobias Diemer untersucht, wie die[...]

Contents

Fields of interest
Sozialwissenschaften (allgemein)

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-3-658-00703-4

Internationalere Professionalitätsformen in transnationalen Arbeitsfeldern


Features

Contents
Theoretische Grundlagen. - Theoretischer Rahmen für die Analyse der Arbeitsorganisation in internationalen Arbeitsfeldern. - Empirische Untersuchung: Internationalisierung von Informations- und Telekommunikationstechnologien (IT) hat neue Herausforderungen für die Arbeitsorganisation und ihre institutionelle Ordnung gebracht. Esther Ruiz Ben zeigt, welche verschiedenen Professionalitätsformen in transnationalen Arbeitsfeldern entstehen, um Unsicherheiten und neue Möglichkeiten der Arbeitspraxis und[...]

Fields of interest
Soziologie, allgemein

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-3-531-17973-5

Internationale Professionalität

Transformation der Arbeit und des Wissens in transnationalen Arbeitsfeldern


Features
Die internationale Verteilung von Erwerbsarbeit mit Unterstützung von Informations- und Telekommunikationstechnologien (IT) hat neue Herausforderungen für die Arbeitsorganisation und ihre institutionelle Ordnung gebracht. Esther Ruiz Ben zeigt, welche verschiedenen Professionalitätsformen in transnationalen Arbeitsfeldern entstehen, um Unsicherheiten und neue Möglichkeiten der Arbeitspraxis und[...]

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Theoretische Grundlagen. - Theoretischer Rahmen für die Analyse der Arbeitsorganisation in internationalen Arbeitsfeldern. - Empirische Untersuchung: Internationalisierung von Informations- und Telekommunikationstechnologien (IT) hat neue Herausforderungen für die Arbeitsorganisation und ihre institutionelle Ordnung gebracht. Esther Ruiz Ben zeigt, welche verschiedenen Professionalitätsformen in transnationalen Arbeitsfeldern entstehen, um Unsicherheiten und neue Möglichkeiten der Arbeitspraxis und[...]

Fields of interest
Soziologie, allgemein

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-3-531-17973-5

Internationale Professionalität

Transformation der Arbeit und des Wissens in transnationalen Arbeitsfeldern


Features

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Theoretische Grundlagen. - Theoretischer Rahmen für die Analyse der Arbeitsorganisation in internationalen Arbeitsfeldern. - Empirische Untersuchung: Internationalisierung von Informations- und Telekommunikationstechnologien (IT) hat neue Herausforderungen für die Arbeitsorganisation und ihre institutionelle Ordnung gebracht. Esther Ruiz Ben zeigt, welche verschiedenen Professionalitätsformen in transnationalen Arbeitsfeldern entstehen, um Unsicherheiten und neue Möglichkeiten der Arbeitspraxis und[...]
Journalismus in der digitalen Moderne

Einsichten - Ansichten - Aussichten


Features


Contents


Fields of interest

Sozialwissenschaften (allgemein); Communication Studies; Medienforschung

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-3-658-01143-7

Softcover

2013. VI, 245 S.
29,99 €
ISBN 978-3-658-01143-7
Versandfertig innerhalb von 3 Tagen.

Kinder- und Jugendhilfe in der Schweiz

Forschung und Diskurse


Features

In der Schweiz hat sich ein ausdifferenziertes System der Kinder- und Jugendhilfe entwickelt, über das jedoch immer noch zu wenig Wissen verfügbar ist. Erst in den letzten Jahren ist die Kinder- und Jugendhilfe der Schweiz endlich auch vermehrt zu einem Thema der Forschung geworden. Dieser Sammelband bietet nun erstmals einen einnahmen fundierten und thematisch breiten Einblick in Handlungsfelder und [...]
**Kotexte des Lebens**

Lebenssituation demenziell erkrankter Menschen im Heim


**Features**

Hendrik Trescher legt die Lebensverhältnisse demenziell erkrankter Menschen im Heim dar. Gegenständlich werden u.a. die Themen „Totalität und Würdeerhalt im Heim“, „Umgang mit dem Tod“ und „Demenz als Hospitalisierungseffekt“ erörtert. Er zieht Parallelen zwischen seinen Befunden und Strukturen, die in der Geistigbehindertenpädagogik bereits seit Jahrzehnten zurückgebaut werden. Schließlich diskutiert er die [..]

**Contents**

Demenz.- Objective Hermeneutik.- Würde.- Demütigungen.- Tod.- Hospitalisierung.

**Fields of interest**

Social Structure, Social Inequality

**Target groups**

Research

**Type of publication**

Monograph

More on www.springer.com/978-3-658-01859-7

**Softcover**

2013, I, 398 S.
49,99 €
ISBN 978-3-658-01859-7

Gewöhnlich versandfertig in 3-5 Werktagen.

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**Kultur- und Kreativwirtschaft in Deutschland**

Hype oder Zukunftschance der Stadtentwicklung?

Kann die Kultur- und Kreativwirtschaft (KKW) die in den letzten Jahren in sie gesetzten Erwartungen für die Stadtentwicklung erfüllen oder handelt es sich nur um eine vorübergehende Moderscheinung? Um diese Frage zu beantworten, gibt Matthias Peter Reich zunächst einen Überblick über den Kontext des gesellschaftlichen Wandels und des kulturpolitischen Rahmens und skizziert Theorien und Konzeptionen zur kreativen Stadt. Auf der Grundlage aktueller KKW-Berichte von Bund, Ländern und Städten/Regionen analysiert er vergleichend positive und negative Effekte, Erfolgs- und Hemm faktoren, Chancen und Risiken sowie Handlungsfelder der Kultur- und Kreativwirtschaft.

**Features**

Kann die Kultur- und Kreativwirtschaft (KKW) die in den letzten Jahren in sie gesetzten Erwartungen für die Stadtentwicklung erfüllen oder handelt es sich nur um eine vorübergehende Moderscheinung? Um diese Frage zu beantworten, gibt Matthias Peter Reich zunächst einen Überblick über den Kontext des gesellschaftlichen Wandels und des kulturpolitischen Rahmens und skizziert Theorien und Konzeptionen zur [..]

**Contents**


**Fields of interest**

Kulturmanagement, Soziologie, allgemein

**Target groups**

Research

**Type of publication**

Monograph

More on www.springer.com/978-3-658-01806-1

**Softcover**

2013, X, 103 S. 12 Abb.
29,99 €
ISBN 978-3-658-01806-1

Gewöhnlich versandfertig in 3-5 Werktagen.

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**Kulturspezifik in der europäischen Wirtschaftskommunikation**


**Features**

Thema des Sammelbandes ist das Kommunikationsverhalten in neuen und alten Medien. Neben grundsätzlichen Problemen der Entwicklung von Kommunikationsstrategien widmen sich die Autoren der Frage, in welcher Weise Unternehmen ihre länderspezifischen Kommunikationsweisen in Bezug auf potenzielle Zielgruppen verwirklichen und effektiver gestalten können. Zu diesem Zweck befassen sich die Autoren neben [..]

**Contents**


**Fields of interest**

Sozialwissenschaften (allgemein)

**Target groups**

Research

**Type of publication**

Monograph

More on www.springer.com/978-3-658-01235-9

**Softcover**

2013, VI, 226 S. 17 Abb., 6 in Farbe. (Europäische Kommunikation und Social Media: Tendencies, Problems, and Future in Latvia.)
39,99 €
ISBN 978-3-658-01235-9

Gewöhnlich versandfertig in 3-5 Werktagen.
Leselust in Risikogruppen

Vorliegende Untersuchung kann verdeutlichen, dass sich die betrachteten Untergruppen (soziale Schicht, Migrationshintergrund, Geschlecht) hinsichtlich der Wirkstrukturen zur Erklärung der Lesekompetenz unterscheiden. Obwohl die Steigerung der bekannten Faktoren - wie beispielsweise der Lesemotivation - allen Schülerinnen und Schülern zugekommene, zeichnen sich dennoch deutliche Unterschiede oder unterschiedliche Gewichtungen im Hinblick auf die Förderung der Lesekompetenz ab. Die Studie zeigt, dass die wohlgemeinte Aufforderung zum Lesen nicht nur der Motivation und dem Aufbau eines lesebezogenen Selbstkonzeptes entgegenwirkt, sondern insbesondere bei Jugendlichen aus einem sozial [...] Features

Viele Jugendliche verlassen die Schule mit so geringen Lesekompetenzen, dass sie – so ist zu befürchten – nur in begrenztem Maße dazu in der Lage sind, die auf sie zukommenden beruflichen und gesellschaftlichen Anforderungen zu bewältigen. Ursula Maria Stalder verdeutlicht, dass sich die betrachteten Untergruppen (soziale Schicht, Migrationshintergrund, Geschlecht) hinsichtlich der Wirkstrukturen zur [...] Contents


Fields of interest

Sozialwissenschaften (allgemein)

Target groups

Research

Type of publication

Monograph

More on www.springer.com/978-3-658-01700-2

Softcover

2013, IX, 355 S. 75 Abb.

49,99 €


Gewöhnlich versandfertig in 3-5 Werktagen.

Local Councillors in Europe

Councillors are the essence of local representational democracy, linking ordinary citizens and decision-makers in municipal arenas. In cross-national perspective, and taking in countries from across Europe, this book analyses the recruitment patterns, career, party associations, role perceptions, and attitudes to democracy, representation, and participation of local councillors. Matters such as gender, parties, institutions, municipal reform, functions in governance networks, and councillor influence are considered using data collected in an international survey, covering some 12,000 members of the local political elite. Drawing on diverse and eclectic literature, the contributions in [...] Features

Councillors are the essence of local representative democracy, linking ordinary citizens and decision-makers in municipal arenas. In cross-national perspective, and taking in countries from across Europe, this book analyses the recruitment patterns, career, party associations, role perceptions, and attitudes to democracy, representation, and participation of local councillors. Matters such as gender, [...] Contents

Local Councillors in Comparative Perspective - Political Recruitment and Career Development of Local Councillors in Europe - Councillors and their Parties - The Roles Councillors Play - Councillors and Democracy - Who do the Local Councillors of Europe Represent? - Councillors, Participation, and Local Democracy - Municipal Councillors as Interest Mediators - European Mayors and Councillors - The gender gap among local representatives - Local councillors in different governance network arrangements - Local councillors and administrative reforms - Municipal priorities in urban planning [...] Fields of interest

Vergleichende Politikwissenschaften

Target groups

Research

Type of publication

Monograph

More on www.springer.com/978-3-658-01856-6

Softcover

2013, X, 270 p. 37 illus. (Urban and Regional Research International, 14)

59,99 €

ISBN 978-3-658-01856-6

Gewöhnlich versandfertig in 3-5 Werktagen.

Measuring Intra-Party Democracy

A Guide for the Content Analysis of Party Statutes with Examples from Hungary, Slovakia and Romania

This book presents an integrated approach to measuring the level of intra-party democracy through deductive and standardized content analysis of party statutes. Following the two main criteria of intra-party democracy – inclusiveness and decentralization – three main categories of intra-party democracy are theoretically derived: members’ rights, organizational structure and decision-making. On the basis of theoretical considerations further subcategories and individual items are deduced from these main categories and put together into a comprehensive coding scheme. Furthermore, precise coding instructions are presented. Since it is the ultimate aim of this book to present an approach [...] Features

This book presents an integrated approach to measuring the level of intra-party democracy through deductive and standardized content analysis of party statutes. Following the two main criteria of intra-party democracy – inclusiveness and decentralization – three main categories of intra-party democracy are theoretically derived: members’ rights, organizational structure and decision-making. On the basis of [...] Contents

Preface - 1 Introduction - 2 Deduction of the Coding Scheme - 3 The Coding Scheme - 4 The Coding Procedure - 5 The Proof of the Pudding: Arriving at Numbers - 6 Summary and Outlook - Appendices.

Fields of interest

Vergleichende Politikwissenschaften

Target groups

Research

Type of publication

Brief

More on www.springer.com/978-3-642-36032-9

Softcover

2013, IX, 65 p. 5 illus. (SpringerBriefs in Political Science)

53,45 €

ISBN 978-3-642-36032-9

Gewöhnlich versandfertig in 3-5 Werktagen.

B. Egner, Darmstadt, Germany; D. Sweeting, Bristol, UK; P.-J. Klok, Enschede, Netherlands (Eds.)

Local Councillors in Europe

B. von dem Berge, University of Mannheim, Germany; Th. Poguntke, Heinrich-Heine-University, Düsseldorf, Germany; P. Obert, University of Mannheim, Germany; D. Tipei, University of Mannheim, Germany
Methodologie sozialpädagogischer Forschung


Features

Contents
Allgemeine Pädagogik und Sozialforschung. - Sozialforschung und Philosophie. - Sozialpädagogische Forschung. - Über die Erforschung „Sozialer Tatbestände“.

Fields of interest
Sozialarbeit

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-3-658-00215-2

Motivation und Anerkennung im freiwilligen Engagement

Kampagnen und ihre Umsetzung in Internet und Social Media


Contents

Fields of interest
Sozialwissenschaften (allgemein)

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-3-658-01752-1

Organisationskommunikation und Public Relations

Forschungsperspektiven und neue Perspektiven


Features

Contents
Grundlagen und Forschungsperspektiven. - Theorien und Konzepte. - Forschungsperspektiven zwischen Theorie und Praxis.

Fields of interest
Communication Studies; Marketing

Target groups
Professional/practitioner

Type of publication
Professional book

More on www.springer.com/978-3-531-18098-4

Softcover
2013. VI, 328 S. 13 Abb. 39,99 €
ISBN 978-3-531-18098-4

Gewöhnlich versandfertig in 3-5 Werktagen.
**Partizipation und Soziale Arbeit**

Einflussnahme auf das subjektiv Ganzes


**Features**


**Contents**


**Fields of interest**

Sozialarbeit

**Target groups**

Research

**Type of publication**

Monograph

More on [www.springer.com/978-3-658-01715-6](http://www.springer.com/978-3-658-01715-6)

**Softcover**

2013, I, 319 S. (Forschung, Innovation und Soziale Arbeit)

39,99 €

ISBN 978-3-658-01715-6

Gewöhnlich versandfertig in 3-5 Werktagen.

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**Politisches Interesse und Politische Bildung**

Zum Stand des Bürgerbewusstseins Jugendlicher und junger Erwachsener


**Features**


**Contents**

Empirische Analysen des politischen Interesses und der politischen Einstellungen Jugendlicher und junger Erwachsener - Theoretischer Rahmen.

**Fields of interest**

Politikwissenschaft, allgemein

**Target groups**

Research

**Type of publication**

Monograph

More on [www.springer.com/978-3-658-01943-3](http://www.springer.com/978-3-658-01943-3)

**Softcover**

2013, X, 110 S. (Bürgerbewusstsein. Schriften zur Politischen Bildung)

29,99 €

ISBN 978-3-658-01943-3

Gewöhnlich versandfertig in 3-5 Werktagen.

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**Reframing Disability and Quality of Life**

A Global Perspective

This volume brings together two parallel fields of interest. One is the understanding among psychologists and other social scientists of the limits to psychometric measurement, and the challenges in generating information about quality of life and wellbeing that enable comparison across time and place, at both individual and population levels. The second is the interest among anthropologists and others in the lived experience of chronic illness and disability, including the unpredictable fluctuations in perceived health and capability. Chronic conditions and physical impairments are assumed to impact negatively on people’s quality of life, affecting them psychologically, socially [...] 

**Features**

Chronic conditions and physical impairments can take a psychological, social and economic toll, and are assumed to diminish a person’s quality of life. But ‘quality of life’ is an ambiguous phrase. Some use the term as an indicator for successful and high quality health services, including good access to medical attention and surgery; others use the term to argue against medical interventions that are seen [...] 

**Contents**


**Fields of interest**

Lebensqualitätsforschung; Gesundheit und Lebensqualität; Gesundheitspsychologie

**Target groups**

Research

**Type of publication**

Contributed volume

More on [www.springer.com/978-94-007-3017-5](http://www.springer.com/978-94-007-3017-5)

**Hardcover**

2013, XV, 243 p. 9 illus. (Social Indicators Research Series, Band 52)

106,95 €


Gewöhnlich versandfertig in 3-5 Werktagen.
Scandinavian Colonialism and the Rise of Modernity
Small Time Agents in a Global Arena

In Scandinavian Colonialism and the Rise of Modernity: Small Time Agents in a Global Arena, archaeologists, anthropologists, and historians present case studies that focus on the scope and impact of Scandinavian colonial expansion in the North, Africa, Asia and America as well as within Scandinavia itself. They discuss early modern thinking and theories made valid and developed in early modern Scandinavia that justified and propagated participation in colonial expansion. The volume demonstrates a broad and comprehensive spectrum of archaeological, anthropological and historical research, which engages with a variation of themes relevant for the understanding of [...]
Social Morphogenesis

The rate of social change has speeded up in the last three decades, but how do we explain this? This volume ventures what the generative mechanism is that produces such rapid change and discusses how this differs from late Modernity. Contributors examine if an intensification of morphogenesis (positive feedback that results in a change in social form) and a corresponding reduction in morphostasis (negative feedback that restores or reproduces the form of the social order) best captures the process involved. This volume resists proclaiming a new social formation as so many books written by empiricists have done by extrapolating from empirical data. Until we can convincingly [...]"}

Contents

Chapter 1. Introduction: Social Morphogenesis and the Prospects of Morphogenic Society; Margaret S. Archer. - PART I. SOCIAL CHANGE AS MORPHOGENESIS. - Chapter 2. Morphogenesis and Social Change; Douglas V. Porpora. - Chapter 3. The Morphogenetic Approach and the Idea of Morphogenetic Society. The Role of Regularities; Andrea M. Maccarini. - Chapter 4. Emergence and Morphogenesis: Causal Reduction and Downward Causation; Tony Lawson. - Chapter 5 Morphogenesis, Continuity and Change in the International Political System; Colin Wight. - PART II. SOCIAL FORMATIONS AND THEIR RE-FORMATION. - [...]"

Features

The rate of social change has speeded up in the last three decades, but how do we explain this? This volume ventures what the generative mechanism is that produces such rapid change and discusses how this differs from late Modernity. Contributors examine if an intensification of morphogenesis (positive feedback that results in a change in social form) and a corresponding reduction in morphostasis (negative feedback that results in a change in social form) and a corresponding reduction in morphostasis (negative feedback that restores or reproduces the form of the social order) best captures the process involved. This volume resists proclaiming a new social formation as so many books written by empiricists have done by extrapolating from empirical data. Until we can convincingly [...]

Theorietische Fundierung einer Coaching-Wissenschaft


Features

Coaching als Wissensgebiet steht derzeit im Spannungsfeld zwischen Praxeologie, Forschungsgebiet und Wissenschaft. Die ausgebildeten heterogenen Ansätze des Coachings referenzieren dabei nur passiv auf wissenschaftstheoretische Grundstrukturen. Günter Bitsch untersucht am Beispiel des personzentrierten und des systemischen Ansatzes, ob und welche wissenschaftstheoretischen Fundierungen möglich sind und wie [...]"
**Wahrnehmung des strategischen Handlungsspielraumes**
Die verlegereiche Entwicklung deutscher Qualitätstageszeitungen seit 2001
Seit inzwischen mehr als zehn Jahren befinden sich die überregionalen Qualitätstageszeitungen Deutschlands in einer schweren Branchenkrise: Leserzahlen und Anzeigeneinnahmen sinken gleichermaßen und erschweren die Produktion von Qualitätsinhalten. Bei näherer Betrachtung wird schnell deutlich, dass ein früheres strategisches Erfolgs muster der Verlage seit 2001 zur kritischen Pfadabhängigkeig geworden ist. Zwar hat die Branche in Reaktion auf die Krise einige Innovationen vorangetrieben, allerdings ohne damit eine nachhaltige wirtschaftliche Basis für täglichen Qualitätsjournalismus schaffen zu können. Haben sie die Chancen der Digitalisierung verkannt oder hat täglich[...]

**Features**
Seit inzwischen mehr als zehn Jahren befinden sich die überregionalen Qualitätstageszeitungen Deutschlands in einer schweren Branchenkrise: Leserzahlen und Anzeigeneinnahmen sinken gleichermaßen und erschweren die Produktion von Qualitätsinhalten. Bei näherer Betrachtung wird schnell deutlich, dass ein früheres strategisches Erfolgs muster der Verlage seit 2001 zur kritischen Pfadabhängigkeig geworden ist.[...]

**Contents**

**Fields of interest**
Sozialwissenschaften (allgemein)

**Target groups**
Research

**Type of publication**
Monograph

More on www.springer.com/978-3-658-01223-6

**Softcover**
2013. XIX, 253 S. 10 Abb. (Organisation und Gesellschaft)
39,99 €
ISBN 978-3-658-01223-6
Gewöhnlich versandfertig in 3-5 Werktagen.

**Waldorfpaedagogik in Praxis und Ausbildung**
Zwischen Tradition und notwendigen Reformen
Die Freien Waldorfschulen sehen sich in Deutschland erstmals seit Ende des Zweiten Weltkriegs mit dem Problem stagnernder bis leicht rückläufiger Schülerzahlen konfrontiert. Das Vertrauen auf die Tradition der Waldorfpaedagogik und die Hoffnung auf Ende des Zweiten Weltkriegs wird sich auf die Freien Waldorfschulen in Deutschland erstmals mit dem Problem stagnierender bis leicht rückläufiger Schülerzahlen konfrontiert. Das Vertrauen in die Tradition der Waldorfpaedagogik und die Hoffnung auf Bildungsalternativen reichen zur Positionierung dieser Schulform offensichtlich nicht mehr aus. Vielmehr ist eine kritische und zugleich konstruktive Besinnung gefordert.[...]

**Features**
Seit Ende des Zweiten Weltkriegs sehen sich die Freien Waldorfschulen in Deutschland erstmals mit dem Problem stagnernder bis leicht rückläufiger Schülerzahlen konfrontiert. Das Vertrauen in die Tradition der Waldorfpaedagogik und die Hoffnung auf Bildungsalternativen reichen zur Positionierung dieser Schulform offensichtlich nicht mehr aus. Vielmehr ist eine kritische und zugleich konstruktive Besinnung [...]}

**Contents**

**Fields of interest**
Sozialwissenschaften (allgemein)

**Target groups**
Professional/practitioner

**Type of publication**
Professional book

More on www.springer.com/978-3-531-18789-1

**Softcover**
39,99 €
ISBN 978-3-531-18789-1
Gewöhnlich versandfertig in 3-5 Werktagen.

**Widerstand in Organisationen. Organisationen im Widerstand**
Virtuelle Plattformen, Edupunks und der nachfolgende Staat
Die Zeit scheint reif für eine neue Bewertung des Individualums in Organisationen. Neue Technologien und globalisierte Rahmenbedingungen verlangen äußerst kreative Anstrengungen im Rahmen von Freiräumen, die die neuen netzwerkartigen Organisationsformen nun erstmals ermöglichen. Geläufige Management- und Organisationsansätze stehen der Frage, wie Individualität und Führung solcher divergenter Interessen und Talente unter einen Hut zu bringen seien, noch ratslos gegenüber. Dieses Buchprojekt soll skizzieren, wie die vor uns liegende Transformationsphase sowohl auf der Ebene der Organisation und Führung, aber auch in den Spähen der gesellschaftlichen Institutionen, und hier insbesondere[...]

**Features**
Die Zeit scheint reif für eine neue Bewertung des Individualums in Organisationen. Neue Technologien und globalisierte Rahmenbedingungen verlangen äußerst kreative Anstrengungen im Rahmen von Freiräumen, die die neuen netzwerkartigen Organisationsformen nun erstmals ermöglichen. Geläufige Management- und Organisationsansätze stehen der Frage, wie Individualität und Führung solcher divergenter Interessen und[...]

**Contents**
Die Organisation von Individualität. - Führung in Netzwerken. - „To resist is to create“. Das Individualum als Motor von Innovationen

**Fields of interest**
Soziologie, allgemein; Sozialwissenschaften (allgemein); Organisationssoziologie, Wirtschaftssoziologie

**Target groups**
Professional/practitioner

**Type of publication**
Professional book

More on www.springer.com/978-3-531-18789-1

**Softcover**
39,99 €
ISBN 978-3-531-18789-1
Gewöhnlich versandfertig in 3-5 Werktagen.
Wir, ein europäisches Volk?

Sozialintegration Europas und die Idee der Gleichheit aller europäischen Bürger


Features


Contents

Die Krise der Europäischen Union und die Herausforderungen an die Sozialintegration Europas.- Systemintegration und Sozialintegration in Europa: Der theoretische Rahmen.- Das Europa der Marktbürger, der Staatsbürger und der Solidarbürger.- Die Zukunft des europäischen Integrationsprojekts.

Fields of interest

Soziologie, allgemein; Sozialwissenschaften (allgemein); Politikwissenschaft, allgemein

Target groups

Research

Type of publication

Monograph

More on www.springer.com/978-3-658-01529-9

Hardcover

2013. VII, 249 S. 1 Abb. (Neue Bibliothek der Sozialwissenschaften)
29,99 €
ISBN 978-3-658-01529-9
Versandfertig innerhalb von 3 Tagen.

U. Menon, Drexel University, Philadelphia, PA, USA

Women, Wellbeing, and the Ethics of Domesticity in an Odia Hindu Temple Town

This book is a detailed ethnography of traditional, predominantly upper-caste, sequestered Hindu women in the temple town of Bhubaneswar in Odisha, a state in south-eastern India. It elaborates on a distinctive paradigm of domesticity and explicates a particular model of human wellbeing among this category. Part of the growing literature in "third wave" or "multicultural feminism", it seeks to broaden the parameters of feminist discourse by going beyond questions of individual liberty or gender equality to examine the potential for female empowerment that exists in the context of these women’s lives. Its aims are twofold: first, to represent these women in ways that they themselves [...] 

Features

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Contents


Fields of interest

Anthropologie; Geschlechterforschung; Regionen und Kulturen

Target groups

Research

Type of publication

Monograph

More on www.springer.com/978-81-322-0884-6

Hardcover

2013. VIII, 197 S. 9 illus.
106,95 €
ISBN 978-81-322-0884-6
Gewöhnlich versandfertig in 3-5 Werktagen.
Sprachwissenschaft

Essential Speech and Language Technology for Dutch

Results by the STEVIN programme

The book provides an overview of more than a decade of joint R&D efforts in the Low Countries on HLT for Dutch. It not only presents the state of the art of HLT for Dutch in the areas covered, but even more importantly, a description of the resources (data and tools) for Dutch that have been created are now available for both academia and industry worldwide. The contributions cover many areas of human language technology (for Dutch): corpus collection (including IPR issues) and building (in particular one corpus aiming at a collection of 500M word tokens), lexicology, anaphora resolution, a semantic network, parsing technology, speech recognition, machine translation, text [...] Features

The book provides an overview of more than a decade of joint R&D efforts in the Low Countries on HLT for Dutch. It not only presents the state of the art of HLT for Dutch in the areas covered, but even more importantly, a description of the resources (data and tools) for Dutch that have been created are now available for both academia and industry worldwide. The contributions cover many areas [...] Contents


Computerlinguistik, Germanische Sprachen, Künstliche Intelligenz (einschl. Roboter); Spezielle Methoden des Rechenreinigens

Target groups

Research

Type of publication

Contributed volume

More on www.springer.com/978-3-642-30909-0

Hardcover

2013. XVII, 413 p. 59 illus., 35 in color. (Theory and Applications of Natural Language Processing) 53,45 € ISBN 978-3-642-30909-0 Gewöhnlich versandfertig in 3-5 Werktagen.

Studies in the Composition and Decomposition of Event Predicates

This detailed, perceptive addition to the linguistics literature analyzes the semantic components of event predicates, exploring their fine-grained elements as well as their agency in linguistic processing. The papers go beyond pure semantics to consider their varying influences of event predicates on argument structure, aspect, clarity, and event structure. The volume shows how advances in the linguistic theory of event predicates, which have spawned Davidsonian and neo-Davidsonian notions of event arguments, in addition to ‘event structure’ frameworks and mereological models for the eventuality domain, have sidelined research on specific sets of entailments that support a typology [...] Features

This detailed, perceptive addition to the linguistics literature analyzes the semantic components of event predicates, exploring their fine-grained elements as well as their agency in linguistic processing. The papers go beyond pure semantics to consider their varying influences of event predicates on argument structure, aspect, clarity, and event structure. The volume shows how advances in the [...] Contents


Semantik, Syntax

Target groups

Research

Type of publication

Contributed volume

More on www.springer.com/978-94-007-5982-4

Hardcover


Statistik

A Multiple-Testing Approach to the Multivariate Behrens-Fisher Problem

with Simulations and Examples in SAS®

In statistics, the Behrens–Fisher problem is the problem of interval estimation and hypothesis testing concerning the difference between the means of two normally distributed populations when the variances of the two populations are not assumed to be equal, based on two independent samples. In his 1935 paper, Fisher outlined an approach to the Behrens–Fisher problem. Since high-speed computers were not available in Fisher’s time, this approach was not implementable and was soon forgotten. Fortunately, now that high-speed computers are available, this approach can easily be implemented using just a desktop or a laptop computer. Furthermore, Fisher’s approach was proposed [...] Features

In statistics, the Behrens–Fisher problem is the problem of interval estimation and hypothesis testing concerning the difference between the means of two normally distributed populations when the variances of the two populations are not assumed to be equal, based on two independent samples. In his 1935 paper, Fisher outlined an approach to the Behrens–Fisher problem. Since high-speed computers were [...] Contents


Fields of interest

Statistische Theorie und Methoden; Statistik (allgemein); Hochleistungsrechnen in der Statistik

Target groups

Research

Type of publication

Brief

More on www.springer.com/978-1-4614-6442-6

Softcover

An Introduction to Order Statistics

A lot of statisticians, actuarial mathematicians, reliability engineers, meteorologists, hydrologists, economists. Business and sport analysts deal with order statistics which play an important role in various fields of statistics and its application. This book enables a reader to check his/her level of understanding of the theory of order statistics. We give basic formulae which are more important in the theory and present a lot of examples which illustrate the theoretical statements. For a beginner in order statistics, as well as for graduate students it study our book to have the basic knowledge of the subject. A more advanced reader can use our book to polish his/her knowledge.

Contents


Fields of interest

Statistische Theorie und Methoden; Statistik in Wirtschaftswissenschaften, Finanzmathematik, Versicherungen; Statistik in Technik, Physik, Informatik, Chemie, Geowissenschaften; Statistik (allgemein); Ökonometrie; Biostatistik.

Target groups

Upper undergraduate

Type of publication

Graduate/advanced undergraduate textbook

More on www.springer.com/978-94-91216-82-4

Hardcover

2013, X, 244 p. (Atlantis Studies in Probability and Statistics, Band 3)

53,49 €

ISBN 978-94-91216-82-4

Gewöhnlich versandfertig in 3-5 Werktagen.

Advances in Biomedical Infrastructure 2013

Proceedings of International Symposium on Biomedical Data Infrastructure (EDI 2013)

Current Biomedical Databases are independently administered in geographically distinct locations, lending them almost ideally to adoption of intelligent data management approaches. This book focuses on research issues, problems and opportunities in Biomedical Data Infrastructure identifying new issues and directions for future research in Biomedical Data and Information Retrieval, Semantics in Biomedicine, and Biomedical Data Modeling and Analysis. The book will be a useful guide for researchers, practitioners, and graduate-level students interested in learning state-of-the-art development in biomedical data management.

Features

Current Biomedical Databases are independently administered in geographically distinct locations, lending them almost ideally to adoption of intelligent data management approaches. This book focuses on research issues, problems and opportunities in Biomedical Data Infrastructure identifying new issues and directions for future research in Biomedical Data and Information Retrieval, Semantics in Biomedicine, and Biomedical Data Modeling and Analysis.

Contents

From the Contents: Integrative approaches for Drug discovery – PPAR gamma as a case study.- Biomedical Informatics and the Future of Medicine.- Inferring E. coli SOS Response Pathway from Gene Expression Data Using IST-DBN with Time Lag Estimation.- Framework for Biodiversity Information Retrieval in Malaysia.- Using Ant Colony Optimization (ACO) on Kinetic Modeling of the Acetal Production in Lactococcus lactis C7.

Fields of interest

Maschinelles Lernen; Biomedizinische Technik

Target groups

Research

Type of publication

Monograph

More on www.springer.com/978-3-642-37136-3

Hardcover

2013, VIII, 139 p. (Studies in Computational Intelligence, Band 477)

106,99 €

ISBN 978-3-642-37136-3

Gewöhnlich versandfertig in 3-5 Werktagen.

Advances in Information Systems and Technologies

This book contains a selection of articles from The 2013 World Conference on Information Systems and Technologies (WorldCIST 13), a global forum for researchers and practitioners to present and discuss the most recent innovations, trends, results, experiences and concerns in the several perspectives of Information Systems and Technologies. The main topics covered are: Information and Knowledge Management; Organizational Models and Information Systems; Intelligent and Decision Support Systems; Software Systems, Architectures, Applications and Tools; Computer Networks, Mobility and Pervasive Systems; Radar Technologies; and Human-Computer Interaction.

Features

This book contains a selection of articles from The 2013 World Conference on Information Systems and Technologies (WorldCIST 13), a global forum for researchers and practitioners to present and discuss the most recent innovations, trends, results, experiences and concerns in the several perspectives of Information Systems and Technologies. The main topics covered are: Information and Knowledge Management; Organizational Models and Information Systems; Intelligent and Decision Support Systems; Software Systems, Architectures, Applications and Tools; Computer Networks, Mobility and Pervasive Systems; Radar Technologies; and Human-Computer Interaction.

Fields of interest

Maschinelles Lernen; Künstliche Intelligenz (einschl. Roboter)

Target groups

Research

Type of publication

Proceedings

More on www.springer.com/978-3-642-36980-3

Softcover

2013. XXII, 1160 p. 390 illus. (Advances in Intelligent Systems and Computing, Band 206)

373,43 £

ISBN 978-3-642-36980-3

Gewöhnlich versandfertig in 3-5 Werktagen.
Advances in Sliding Mode Control

Concept, Theory and Implementation

The sliding mode control paradigm has become a mature technique for the design of robust controllers for a wide class of systems including nonlinear, uncertain and time-delayed systems. This book is a collection of plenary and invited talks delivered at the 12th IEEE International Workshop on Variable Structure System held at the Indian Institute of Technology, Mumbai, India in January 2012. After the workshop, these researchers were invited to develop book chapters for this edited collection in order to reflect the latest results and open research questions in the area. The contributed chapters have been organized by the editors to reflect the various themes of sliding mode control.

Contents

1. Approximate Evaluation of Eigenfrequencies.
2. Variable Elasticity Effects in Rotor Machinery.
4. Flow-Induced Vibration of Rotating Shafts.
7. Vibration Analysis of Engines.
Aufgabensammlung Werkstoffkunde

Fragen - Antworten


Features

Contents

Fields of interest
Maschinenbau; Produktion und Fertigung; Beschreibung und Auswertung von Werkstoffen.

Target groups
Upper undergraduate

Type of publication
German textbook

More on www.springer.com/978-3-658-01265-6

Softcover

Cloud Manufacturing

Distributed Computing Technologies for Global and Sustainable Manufacturing

Global networks, which are the primary pillars of the modern manufacturing industry and supply chains, can only cope with the new challenges, requirements and demands when supported by new computing and Internet-based technologies. Cloud Manufacturing: Distributed Computing Technologies for Global and Sustainable Manufacturing introduces a new paradigm for scalable service-oriented sustainable and globally distributed manufacturing systems. The eleven chapters in this book provide an updated overview of the latest technological development and applications in relevant research areas. Following an introduction to the essential features of Cloud Computing, chapters cover a range of [...] Features

Contents
Fertigungsanlagen und -maschinen; Spezielle Anwendungs- systeme; Technologiemanagement

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-1-4471-4934-7

Hardcover

Construction Safety

A close-to-ideal blend of suburb and city, speedy construction of towers of Babylon, the sparkling proportion of glass and steel buildings’ façade at night showcase the wisdom of humans. They also witness the footsteps, sweats and tears of architects and engineers. Unfortunately, these signatures of human civilizations are swathed in towering figures of construction accidents. Fretting about these on sites, different countries adopt different measures on sites. This book firstly sketches the construction accidents on sites, followed by a review on safety measures in some of the developing countries such as Bermuda, Egypt, Kuwait and China; as well as developed countries, for example [...]

Features
A close-to-ideal blend of suburb and city, speedy construction of towers of Babylon, the sparkling proportion of glass and steel buildings’ façade at night showcase the wisdom of humans. They also witness the footsteps, sweats and tears of architects and engineers. Unfortunately, these signatures of human civilizations are swathed in towering figures of construction accidents. Fretting about these on sites, [...] Contents
A literature review on the causes of construction accidents - Why do accidents happen? A critical review on the evolution of the construction accident causation models - Supply of safety measures in developing and developed countries: a global perspective - Effectiveness of safety measures in reducing construction accident rates - Senior and junior construction personnel’s point of view on construction safety - Case studies on safety measures implementation - Using Web 2.0 to share the knowledge of construction safety as a public good in nature among researchers: the fable of economic [...] Fields of interest
Baubetrieb; Bauwirtschaft; Lebensqualitätsforschung; Arbeitsmedizin; Technologiemanagement; Qualitätskontrolle, Sicherheit und Zuverlässigkeit

Target groups
Professional/practitioner

Type of publication
Professional book

More on www.springer.com/978-3-642-35045-0

Hardcover
Converging Clinical and Engineering Research on Neurorehabilitation

Restoring human motor and cognitive function has been a fascinating research area during the last century. Interfacing the human nervous system with electro-mechanical rehabilitation machines is facing its crucial passage from research to clinical practice, enhancing the potentiality of therapists, clinicians and researchers to rehabilitate, diagnose and generate knowledge. The 2012 International Conference on Neurorehabilitation (ICNR2012) brings together researchers and students from the fields of Clinical Rehabilitation, Applied Neurophysiology and Biomedical Engineering, covering a wide range of research topics: Clinical Impact of Technology [...] Features Restoring human motor and cognitive function has been a fascinating research area during the last century. Interfacing the human nervous system with electro-mechanical rehabilitation machines is facing its crucial passage from research to clinical practice, enhancing the potentiality of therapists, clinicians and researchers to rehabilitate, diagnose and generate knowledge. The 2012 [...] Contents Theme 1 - Neurorobotics & prosthetics. Theme 2 - Neurosignals modeling and processing. Theme 3 - Brain-neural interfaces. Theme 4 - Biomechanics & movement analysis. Theme 5 - Novel rehabilitation paradigms. Workshops (WS). Fields of interest Biomedizinische Technik; Rehabilitationstechnik; Robotik und Automatisierung; Neurowissenschaften Target groups Research Type of publication Proceedings More on www.springer.com/978-3-642-34545-6 Hardcover 2013. LVII, 1396 p. 462 illus. (Biosystems & Biobotics, Band 1) 373,43 € ISBN 978-3-642-34545-6 Gewöhnlich versandfertig in 3-5 Werktagen.

Current Feedback Operational Amplifiers and Their Applications

This book describes a variety of current feedback operational amplifier (CFOA) architectures and their applications in analog signal processing/generation. Coverage includes a comprehensive survey of commercially available, off-the-shelf integrated circuit CFOAs, as well as recent advances made on the design of CFOAs, including design innovations for bipolar and CMOS CFOAs. This book serves as a single-source reference to the topic, as well as a catalog of over 200 application circuits which would be useful not only for students, educators and researchers in apprising them about the recent developments in the area but would also serve as a comprehensive repertoire of useful circuits [...] Features This book describes a variety of current feedback operational amplifier (CFOA) architectures and their applications in analog signal processing/generation. Coverage includes a comprehensive survey of commercially available, off-the-shelf integrated circuit CFOAs, as well as recent advances made on the design of CFOAs, including design innovations for bipolar and CMOS CFOAs. This book serves as a single-source [...] Contents CFOAs: merits, demerits, basic circuits and available varieties. Simulation of inductors and other types of impedances using CFOAs. Design of Filters using CFOAs. Synthesis of Sinusoidal oscillators using CFOAs. Miscellaneous Linear and Nonlinear applications of CFOAs. Realization of other building blocks using CFOAs. Advances in the design of Bipolar/CMOS CFOAs and future directions of research on CFOAs. Fields of interest Schaltkreise und Systeme; Elektronik und Mikroelektronik; Signal- und Sprachverarbeitung Target groups Research Type of publication Monograph More on www.springer.com/978-1-4614-5187-7 Hardcover 2013. XVII, 249 p. 219 illus. (Analog Circuits and Signal Processing) 106,99 € ISBN 978-1-4614-5187-7 Gewöhnlich versandfertig in 3-5 Werktagen.
Design and Management of Sustainable Built Environments

Climate change is believed to be a great challenge to built environment professionals in design and management. An integrated approach in delivering a sustainable built environment is desired by the built environment professional institutions. The aim of this book is to provide an advanced understanding of the key subjects required for the design and management of modern built environments to meet carbon emission reduction targets. In Design and Management of Sustainable Built Environments, an international group of experts provide comprehensive and the most up-to-date knowledge, covering sustainable urban and building design, management and assessment. The best practice case studies [...]
Elektromobilität
Grundlagen einer Zukunftstechnologie


Contents
Einleitung.- Grundlagen.- Infrastruktur.- Geschäftsmodell- enlang der elektromobilen Wertschöpfungskette.- Fahrzeugkonzeption für die Elektromobilität.- Entwicklung von elektro-fahrzeugspezifischen Systemen.

Fields of interest
Fahrzeugtechnik; Management Praxis.; Energietechnik; Industrielle Produktion und Fertigung; Technische Thermodynamik; Wärme- und Stoffaustausch; Transport

Target groups
Professional/practitioner

Type of publication
Professional book

More on www.springer.com/978-3-642-31985-3

Hardcover
2013. XII, 334 S. 194 Abb.
ISBN 978-3-642-31985-3

Gewöhnlich versandfertig in 3-5 Werktagen.

Ellipsoidometry at the Nanoscale

This book presents and introduces ellipsometry in nanoscience and nanotechnology making a bridge between the classical and nanoscale optical behaviour of materials. It delineates the role of the non-destructive and non-invasive optical diagnostics of ellipsometry in improving science and technology of nanomaterials and related processes by illustrating its exploitation, ranging from fundamental studies of the physics and chemistry of nanostructures to the ultimate goal of turnkey manufacturing control. This book is written for a broad readership: materials scientists, researchers, engineers, as well as students and nanotechnology operators who want to deepen their knowledge about both [...] 

Features
This book presents and introduces ellipsometry in nanoscience and nanotechnology making a bridge between the classical and nanoscale optical behaviour of materials. It delineates the role of the non-destructive and non-invasive optical diagnostics of ellipsometry in improving science and technology of nanomaterials and related processes by illustrating its exploitation, ranging from fundamental studies of the [...] 

Contents

Fields of interest
Ellipsometrie und Mikrotechnik; Messmethoden und -instrumente; Beschreibung und Auswertung von Werkstoffen; Nanotechnologie

Target groups
Professional/practitioner

Type of publication
Monograph

More on www.springer.com/978-3-642-33955-4

Hardcover
2013. XXIV, 730 p. 423 illus., 106 in color.
213,95 €
ISBN 978-3-642-33955-4

Gewöhnlich versandfertig in 3-5 Werktagen.
FEM-Praxis mit SolidWorks

Simulation durch Kontrollechnung und Messung verifizieren


Features


Contents

Einführung und Grundlagen FEM - Statisch-lineare Simulationen von Einzelteilen und Baugruppen mit SolidWorks Simulation - Beispiel zu den Grundbeanspruchungskategorien, der zusammengesetzten Beanspruchung und der Kerbwirkung - Simulation von Fachwerken - Projekt Hebellpresse - Projekt Schweißkonstruktion (Fahrgestell) - Projekt Hydraulikzylinder (Schraubenrechnung).

Fields of interest

Maschinenbau; Konstruktionslehre, Produktdickung

Target groups

Upper undergraduate

Type of publication

German textbook

More on www.springer.com/978-3-642-36680-2

Softcover

2013, VIII, 186 S. 50 Abb.
24,99 €
ISBN 978-3-642-36680-2

Versandfertig innerhalb von 3 Tagen.

Fault-Tolerant Design

This textbook serves as an introduction to fault-tolerance, intended for upper-division undergraduate students, graduate-level students and practicing engineers in need of an overview of the field. Readers will develop skills in modeling and evaluating fault-tolerant architectures in terms of reliability, availability and safety. They will gain a thorough understanding of fault tolerant computers, including both the theory of how to design and evaluate them and the practical knowledge of achieving fault-tolerant architectures in terms of reliability, availability and safety. They will gain a thorough understanding of fault tolerant computers, […]

Features

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Contents


Fields of interest

Schaltkreise und Systeme; Performanz und Zuverlässigkeit von Rechnern; Elektronik und Mikroelektronik

Target groups

Upper undergraduate

Type of publication

Graduate/advanced undergraduate textbook


Hardcover

2013, XV, 185 p. 84 illus.
74,89 €

Gewöhnlich versandfertig in 3-5 Werktagen.

Formal Methods for Mining Structured Objects

In the field of knowledge discovery, graphs of concepts are expressions and versatile modeling techniques providing ways to reason about information implicit in a set of data. Interesting examples of this can be found under the mathematical theory of formal concept analysis, dedicated to the construction of a lattice of concepts by defining a Galois connection on a binary relationship. This book presents such graphs of concepts under the more complex case of data that comes in a set of structured objects, e.g. a set of sequences, trees or graphs. Nodes of this graph will represent patterns in the data and edges will correspond to relationships of specificity. From this combinatorial […]

Features

In the field of knowledge discovery, graphs of concepts are expressions and versatile modeling techniques providing ways to reason about information implicit in a set of data. Interesting examples of this can be found under the mathematical theory of formal concept analysis, dedicated to the construction of a lattice of concepts by defining a Galois connection on a binary relationship. This book presents […]

Contents


Fields of interest

Maschinelle Intelligenz; Künstliche Intelligenz (einschl. Roboter)

Target groups

Research

Type of publication

Monograph

More on www.springer.com/978-3-642-36680-2

Hardcover

2013, X, 109 p. 51 illus. (Studies in Computational Intelligence, Band 475)
106,99 €
ISBN 978-3-642-36680-2

Gewöhnlich versandfertig in 3-5 Werktagen.
Heat and Mass Transfer Intensification and Shape Optimization

A Multi-scale Approach

Is the heat and mass transfer intensification defined as a new paradigm of process engineering, or is it just a common and old idea, renamed and given the current taste? Where might intensification occur? How to achieve intensification? How the shape optimization of thermal and fluidic devices leads to intensified heat and mass transfers? To answer these questions, Heat & Mass Transfer Intensification and Shape Optimization: A Multi-scale Approach clarifies the definition of the intensification by highlighting the potential role of the multi-scale structures, the specific interfacial area, the distribution of driving force, the modes of energy supply and the temporal aspects of [...] 

Features

Is the heat and mass transfer intensification defined as a new paradigm of process engineering, or is it just a common and old idea, renamed and given the current taste? Where might intensification occur? How to achieve intensification? How the shape optimization of thermal and fluidic devices leads to intensified heat and mass transfers? To answer these questions, Heat & Mass Transfer [...] 

Contents


Fields of interest

Technische Thermodynamik, Wärme- und Stofftauschaufgaben; Thermodynamik; Strukturmechanik; Technische Strömungslehre; Strukturwerkstoffkunde; Energieeffizienz (inkl. Gebäude) 

Target groups

Research 

Type of publication

Monograph 

More on www.springer.com/978-1-4471-4741-1 

Hardcover

2013. XV, 180 p. 103 illus., 25 in color. 

106,95 € 

ISBN 978-1-4471-4741-1 

Gewöhnlich versandfertig in 3-5 Werktagen.
Impulsgeber Luftfahrt

Industrial Leadership durch luftfahrtspezifische Aufbau- und Ablaufkonzepte

Die Luftfahrtindustrie hat innovative betriebswirtschaftliche Konzepte, Tools und Arbeitsmethoden hervorgebracht und weiterentwickelt, die in anderen Branchen der Wirtschaft bis heute wenig bekannt, aber für diese sehr wohl geeignet sind. Die Autoren, alle Insider der Luftfahrt, rücken die betriebswirtschaftliche und operative Innovationsskraft der Luftfahrtbranche stärker in den Fokus der Aufmerksamkeit. Sie beschreiben wegweisende Aufbau- und Ablaufkonzepte der Luftfahrt, geben dazu Umsetzungshinweise, benennen kritische Erfolgsfaktoren und unterstützen so den Wissenstransfer in andere Branchen. Dazu gehören Konzepte wie Technische Dokumentation, Materialrückverfolgbarkeit, Prozess...[...]

Contents

From the Contents: Qualität und Sicherheit - Erfolgsfaktoren und Markenzeichen der Luftfahrtbranche stärker in den Fokus der Aufmerksamkeit. Sie beschreiben wegweisende Aufbau- und Ablaufkonzepte der Luftfahrt, geben dazu Umsetzungshinweise, benennen kritische Erfolgsfaktoren und unterstützen so den Wissenstransfer in andere Branchen. Dazu gehören Konzepte wie Technische Dokumentation, Materialrückverfolgbarkeit, Prozess...[...]

Features

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Fields of interest

Biology; Systembiologie; Maschinelle Intelligenz; Künstliche Intelligenz; Bioinformatik; Mathematische und Computertechnik; Systembiologie; Strukturmechanik; Kinetische Mechanik; Mechanik; Werkstoffmechanik; Festkörperphysik; Eds.; M. Hinsch, Hamburg, Germany; J. Olthoff, Hamburg, Germany

Hardcover

**Introduction to Robotics**

This book is focused on geometrical models of robot mechanisms. Rotation and orientation of an object are described by Rodrigues’s formula, rotation matrix and quaternions. Pose and displacement of an object are mathematically dealt with homogeneous transformation matrices. The geometrical robot model is based on Denavit Hartenberg parameters. Direct and inverse model of six degrees of freedom anthropomorphic industrial robots are also presented.

**Features**

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Managing and Engineering in Complex Situations

With so many terms available to define the same thing, it would seem nearly irresponsible to introduce yet another term (complex situation) to describe a phenomenological state of such a system. However, a complex situation infers both a broader meaning and imposes a different perspective. Complex in this context is dependent on understanding and reality rather than observer and knowledge. Situation imposes a gestalt that cannot be characterized within a singular perspective that relegates paradox to a superior/subordinate hierarchy. This also infers that complex situation has no monotonic definition or each definition is by default incomplete. Therefore the perennial derivations [...] Features With so many terms available to define the same thing, it would seem nearly irresponsible to introduce yet another term (complex situation) to describe a phenomenological state of such a system. However, a complex situation infers both a broader meaning and imposes a different perspective. Complex in this context is dependent on understanding and reality rather than observer and knowledge. Situation [...] Contents 1 Introduction and Overview; Andres Sousa-Poza; Part I Theory on Wicked Problems and Complex Situations; 2 Narrative of [Complex] Situations and Situations Theory; Andres Sousa-Poza; 3 PBISM – A Philosophical Foundation for Complex Situations; Van Brew; 4 Understanding and Complex Situations; Jose J. Padilla; 5 Gestalt Imperative; Samuel F. Kovacic; Part II Description of Wicked Problems; 6 Sustainable Development as a Wicked Problem; Jonathan Przychinski and Cory Sears; 7 Complexity and Command at the Operational-Level of War; Vince Berardini; 8 The Wicked Problem of a Cognitive [...] Fields of interest Komplexität; Sozialwissenschaften (allgemein); Wirtschaftswissenschaften (allgemein) Target groups Research Type of publication Monograph More on www.springer.com/978-3-642-36390-0 Hardcover 2013. XV, 334 p. 248 illus. 139,99 € ISBN 978-3-642-36390-0 Gewöhnlich versandfertig in 3-5 Werktagen.

Micro-Nanorobotic Manipulation Systems and Their Applications


Model-Based Design of Adaptive Embedded Systems

This book describes model-based development of adaptive embedded systems, which enable improved functionality using the same resources. The techniques presented facilitate design from a higher level of abstraction, focusing on the problem domain rather than on the solution domain, thereby increasing development efficiency. Models are used to capture system specifications and to implement (manually or automatically) system functionality. The authors demonstrate the real impact of adaptivity on engineering of embedded systems by providing several industrial examples of the models used in the development of adaptive embedded systems. Features Today’s embedded systems have to operate in a wide variety of dynamically changing environmental circumstances. Adaptivity, the ability of a system to autonomously adapt itself, is a means to optimise a system’s behaviour to accommodate changes in its environment. It involves making in-product trade-offs between system qualities at system level. The main challenge in the development of adaptive systems is [...] Contents Adaptivity in Professional Printing Systems - Aspects of Adaptive Systems Engineering: A Professional Printing Case - Piezo Printhead Control: Jetting Any Drop at Any Time - Adaptive Strategies for Productive Toner Printers - Reasoning with Uncertainty about System Behaviour: Making Printing Systems Adaptive - Supporting the Architecting Process of Adaptable Systems - Model-Driven Design-Space Exploration for Software-Intensive Embedded Systems - Engineering Embedded Software: Managing Complexity and Evolution - Reflections on the Octopus Project. Fields of interest Schaltkreise und Systeme; Prozessarchitekturen; Mess- und Regelungstechnik; Elektronik und Mikroelektronik Target groups Research Type of publication Monograph More on www.springer.com/978-1-4614-4820-4 Hardcover 2013. XIII, 306 p. 175 illus., 34 in color. (Embedded Systems, Band 22) 106,99 € ISBN 978-1-4614-4820-4 Gewöhnlich versandfertig in 3-5 Werktagen.
Modeling, Analysis and Optimization of Network-on-Chip Communication Architectures

Traditionally, design space exploration for Systems-on-Chip (SoC) has focused on the computational aspects of the problem at hand. However, as the number of components on a single chip and their performance continue to increase, the communication architecture plays a major role in the area, performance and energy consumption of the overall system. As a result, a shift from computation-based to communication-based design becomes mandatory. Towards this end, network-on-chip (NoC) communication architectures have emerged recently as a promising alternative to classical bus and point-to-point communication architectures. In this dissertation, we study outstanding research problems.

Features
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Contents

Fields of interest
Schaltkreise und Systeme; Prozessarchitekturen

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-94-007-3957-4

Hardcover
2013. XIV, 174 p. 67 illus., 10 in color. Lecture Notes in Electrical Engineering, Band 184
106.99 €
ISBN 978-94-007-3957-4
Gewöhnlich versandfertig in 3-5 Werktagen.

Modeling, Simulation and Optimization of Bipedal Walking

The model-based investigation of motions of anthropomorphic systems is an important interdisciplinary research topic involving specialists from many fields such as Robotics, Biomechanics, Physiology, Orthopedics, Psychology, Neurosciences, Sports, Computer Graphics and Applied Mathematics. This book presents a study of basic locomotion forms such as walking and running is of particular interest due to the high demand on dynamic coordination, actuator efficiency and balance control. Mathematical models and numerical simulation and optimization techniques are explained, in combination with experimental data, which can help to better understand the basic underlying mechanisms of these.

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Contents
From the Contents: Trajectory-Based Dynamic Programming - Use of Compliant Actuators in Prosthetic Feet and the Design of the AMP Foot 2.0 - Modeling and Optimization of Human Walking - Online CPG-based gait monitoring and optimal control of the ankle joint for assisted walking in hemiplegic subjects - The combined role of motion-related cues and upper body posture for the expression of emotions during human walking.

Fields of interest
Elektrotechnik; Robotik und Automatisierung; Künstliche Intelligenz (einschl. Roboter); Systembiologie; Biophysik und biologische Physik; Physiologische, Cellular and Medical Topics

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-3-642-36367-2

Hardcover
2013. VIII, 290 p. 139 illus. (Cognitive Systems Monographs, Band 18)
90.94 €
ISBN 978-3-642-36367-2
Gewöhnlich versandfertig in 3-5 Werktagen.

Moon Bound
Choosing and Preparing NASA's Lunar Astronauts

Often lost in the shadow of the first group of astronauts for the Mercury missions, the second and third groups included the leading figures for NASA's activities for the following two decades. "Moon Bound" complements the authors' recently published work, "Selecting the Mercury Seven" (2011), extending the story of the men who helped to launch human spaceflight and broaden the American space program. Although the initial 1959 group became known as the legendary pioneering Mercury astronauts, the astronauts of Groups 2 and 3 gave us many household names. Sixteen astronauts from both groups traveled to the Moon in Project Apollo, with several actually walking on the Moon, one of them...
Motion Estimation Techniques for Digital Video Coding

The book deals with the development of a methodology to estimate the motion field between two frames for video coding applications. This book proposes an exhaustive study of the motion estimation process in the framework of a general video coder. The conceptual explanations are discussed in a simple language and with the use of suitable figures. The book will serve as a guide for new researchers working in the field of motion estimation techniques.

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Operationsverstärker

Lehr- und Arbeitsbuch zu angewandten Grundschaltungen


Features

Der klar strukturierte Aufbau des Buches mit zahlreichen Aufgaben, Vertiefungsaufgaben und den entsprechenden ausführlichen Lösungsbeschreibungen erleichtert die Verallgemeinerung von Schaltprinzipien und die Entwicklung eigener Schaltungen. Es ist daher besonders zum Selbststudium und als Unterrichtshilfe gut geeignet. Die Inhalte sind exemplarisch und generalisierbar. Zum Verständnis der einzelnen [...] [223x186]

Contents


Fields of interest

Schaltungstechnik und Systeme; Elektrotechnik; Elektronische Schaltungen und Bauelemente

Target groups

Upper undergraduate

Type of publication

German textbook

More on www.springer.com/978-3-8348-1643-6

Softcover

2013, XII, 344 S. 587 Abb. Mit Beispielen, Übungen, Aufgaben mit Lösungen. 29,95 €

ISBN 978-3-8348-1643-6

Versandfertig innerhalb von 3 Tagen.

Optimizing Stormwater Treatment Practices

A Handbook of Assessment and Maintenance

Optimizing Stormwater Treatment Practices: A Handbook of Assessment and Maintenance provides the information necessary for developing and operating an effective maintenance program for stormwater treatment. The book offers instructions on how to measure the level of performance of stormwater treatment practices directly and bases proposed maintenance schedules on actual performance and historical maintenance efforts and costs. The inspection methods, which are proven in the field and have been implemented successfully, are necessary as regulatory agencies are demanding evaluations of the performance of stormwater treatment practices. The authors have developed a three-tiered approach [...] [223x186]

Features

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Contents


Fields of interest

Bauwesen und Bautechnik; Wasserqualität/Wasserverschmutzung; Abwassertechnik / Gewässerschutz; Wasserwirtschaft; Umweltüberwachung / -analytik

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-4623-1

Hardcover

2013, XII, 337 p. 108 illus, 96 in color. 106,95 €

ISBN 978-1-4614-4623-1

Gewöhnlich versandfertig in 3-5 Werktagen.

Optimizing Stormwater Treatment Practices

A Handbook of Assessment and Maintenance

Optimizing Stormwater Treatment Practices: A Handbook of Assessment and Maintenance provides the information necessary for developing and operating an effective maintenance program for stormwater treatment. The book offers instructions on how to measure the level of performance of stormwater treatment practices directly and bases proposed maintenance schedules on actual performance and historical maintenance efforts and costs. The inspection methods, which are proven in the field and have been implemented successfully, are necessary as regulatory agencies are demanding evaluations of the performance of stormwater treatment practices. The authors have developed a three-tiered approach [...] [223x186]

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Contents


Fields of interest

Bauwesen und Bautechnik; Wasserqualität/Wasserverschmutzung; Abwassertechnik / Gewässerschutz; Wasserwirtschaft; Umweltüberwachung / -analytik

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-1-4614-4623-1

Hardcover

2013, XII, 337 p. 108 illus, 96 in color. 106,95 €

ISBN 978-1-4614-4623-1

Gewöhnlich versandfertig in 3-5 Werktagen.
Phonetic Search Methods for Large Speech Databases

“Phonetic Search Methods for Large Databases” focuses on Keyword Spotting (KWS) within large speech databases. The brief will begin by outlining the challenges associated with Keyword Spotting within large speech databases using dynamic keyword vocabularies. It will then continue by highlighting the various market segments in need of KWS solutions, as well as the specific requirements of each market segment. The work also includes a detailed description of the complexity of the task and the different methods that are used, including the advantages and disadvantages of each method and an in-depth comparison. The main focus will be on the Phonetic Search method and its efficient[...]

Features

“Phonetic Search Methods for Large Databases” focuses on Keyword Spotting (KWS) within large speech databases. The brief will begin by outlining the challenges associated with Keyword Spotting within large speech databases using dynamic keyword vocabularies. It will then continue by highlighting the various market segments in need of KWS solutions, as well as the specific requirements of each market segment. [...]
Information engineering and applications is the field of study concerned with constructing information computing, intelligent systems, mathematical models, numerical solution techniques, and using computers and other electronic devices to analyze and solve natural scientific, social scientific and engineering problems. Information engineering is an important underpinning for techniques used in information and computational science and there are many unresolved problems worth studying. The Proceedings of the 2nd International Conference on Information Engineering and Applications (IEA 2012), which was held in Chongqing, China, from October 26-28, 2012, discusses the most innovative...
Product-Service Integration for Sustainable Solutions

"An Industrial Product-Service System is characterized by the integrated and mutually determined planning, development, provision and use of productservice shares including its immanent software components in Business-to-Business applications and represents a knowledge-intensive socio-technical system." – Meier, Roy, Seliger (2010) Since the first conference in 2009, the CIRP International Conference on Industrial Product-Service Systems has become a well-established international forum for the review and discussion of advances, research results and industrial improvements. Researchers from all over the world have met at previous IPS² conferences in Cranfield (2009), Linköping (...)

Contents

Fields of interest
Konstruktionslehre, Produktentwicklung: Technologienmanagement; Qualitätskontrolle, Sicherheit und Zuverlässigkeit; Produktion Logistik

Target groups
Research

Type of publication
Proceedings

More on www.springer.com/978-1-4614-5313-0

Hardcover

Gewöhnlich versandfertig in 3-5 Werktagen.

Recent Advancements in System Modelling Applications
Proceedings of National Systems Conference 2012

The book is a collection of peer-reviewed scientific papers submitted by active researchers in the 36th National System Conference (NSC 2012). NSC is an annual event of the Systems Society of India (SSI), primarily oriented to strengthen the systems movement and its applications for the welfare of humanity. A galaxy of academicians, professionals, scientists, statesman and researchers from different parts of the country and abroad are invited to attend the Conference. The book presents various research articles in the area of system modelling in all disciplines of engineering sciences as well as socio-economic systems. The book can be used as a tool for further research.

Features
The book is a collection of peer-reviewed scientific papers submitted by active researchers in the 36th National System Conference (NSC 2012). NSC is an annual event of the Systems Society of India (SSI), primarily oriented to strengthen the systems movement and its applications for the welfare of humanity. A galaxy of academicians, professionals, scientists, statesman and researchers from different parts of [...]

Contents
Preface. - Table of Contents. - About the Editors. - Papers. - Author Index.

Fields of interest
Maschinelle Intelligenz; Systemtheorie; Steuerungstechnik; Elektrotechnik

Target groups
Research

Type of publication
Proceedings

More on www.springer.com/978-81-322-1034-4

Hardcover

Gewöhnlich versandfertig in 3-5 Werktagen.
Seismic Behaviour and Design of Irregular and Complex Civil Structures

Structural irregularities are one of the most frequent causes of severe damages in buildings, as evidenced by the numerous earthquakes in recent years. This issue is of particular importance, since real structures are almost all irregular. Furthermore, structural irregularities depend on several factors often very difficult to predict. This book is an essential tool for understanding the problem of structural irregularities and provides the most up-to-date review on this topic, covering the aspects of ground rotations, analysis, design, control and monitoring of irregular structures. It includes 24 contributions from authors of 13 countries, giving a complete and international view of [...]
Small Universal Cellular Automata in Hyperbolic Spaces

A Collection of Jewels

Hyperbolic geometry is an essential part of theoretical astrophysics and cosmology. Besides specialists of these domains, many specialists of new domains start to show a growing interest both to hyperbolic geometry and to cellular automata. This is especially the case in biology and computer science. This book gives the reader a deep and efficient introduction to an algorithmic approach to hyperbolic geometry. It focuses the attention on the possibilities to obtain in this frame the power of computing everything a computer can compute, that is to say: universality. The minimal ways to get universality are investigated in a large family of tilings of the hyperbolic plane. In several [...]
Strategic Planning Decisions in the High Tech Industry

The scale and complexity of research and practices of open innovation mandate a correspondingly sophisticated form of decision making. Strategic Planning Decisions brings together a number of tools that ease the decision process in technology companies, providing both conceptual frameworks and practical applications. Innovative approaches are presented such as an ontology-based model where all the relevant aspects of a potential technology are interrelated to provide a comprehensive and logically connected data pool for decision makers. Divided into two sections, Strategic Planning Decisions describe both strategic approaches using the decision tools, and tactical approaches. Some of […]

Features
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Contents

Fields of interest
Betriebswirtschaft, Organisation, Materialwirtschaft, Logistik und Marketing in der Technik; Operations Research / Entscheidungstheorie; Organisation / Planung

Target groups
Professional/practitioner

Type of publication
Monograph


Hardcover
2013. VI, 259 p. 71 illus., 6 in color.
106,95 €
Gewöhnlich versandfertig in 3-5 Werktagen.
The Soyuz Launch Vehicle
The Two Lives of an Engineering Triumph

“The Soyuz Launch Vehicle” tells the story, for the first time in a single English-language book, of the extremely successful Soyuz launch vehicle. Built as the world’s first intercontinental ballistic missile (ICBM), Soyuz was adapted to launch not only Sputnik but also the first man to orbit Earth, and has been in service for over fifty years in a variety of forms. It has launched all Soviet manned spacecraft and is now the only means of reaching the International Space Station. It was also the workhorse for launching satellites and space probes and has recently been given a second life in French Guiana, fulfilling a commercial role in a joint venture with France. No other launch vehicle has had a similar dual military and peaceful existence.

Features
The Soyuz launch vehicle has had a long and illustrious history. Built as the world’s first intercontinental missile, it took the first man into space in April 1961, before becoming the workhorse of Russian spaceflight, launching satellites, interplanetary probes, every cosmonaut from Gagarin onwards, and, now, the multinational crews of the International Space Station. This remarkable book [...]
Voltage-to-Frequency Converters
CMOS Design and Implementation

This book develops voltage-to-frequency converter (VFC) solutions integrated in standard CMOS technology to be used as a part of a microcontroller-based, multisensor interface in the environment of portable applications, particularly within a WSN node. Coverage includes the total design flow of monolithic VFCs, according to the target application, as well as the analysis, design and implementation of the main VFC blocks, revealing the main challenges and solutions encountered during the design of such high performance cells. Four complete VFCs, each temperature compensated, are fully designed and evaluated: a programmable VFC that includes an offset frequency and a sleep/mode enable [...] "}

Features
This book develops voltage-to-frequency converter (VFC) solutions integrated in standard CMOS technology to be used as a part of a microcontroller-based, multisensor interface in the environment of portable applications, particularly within a WSN node. Coverage includes the total design flow of monolithic VFCs, according to the target application, as well as the analysis, design and implementation of the main [...] "}

Contents

Fields of interest
Schaltkreise und Systeme; Elektronik und Mikroelektronik; Signal-, Bild- und Sprachverarbeitung

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-1-4614-6236-1

Hardcover
ISBN 978-1-4614-6236-1
Gewöhnlich versandfertig in 3-5 Werktagen.

J.R. Smith, University of Washington (Ed.)

Wirelessly Powered Sensor Networks and Computational RFID

The Wireless Identification and Sensing Platform (WISP) is the first of a new class of RF-powered sensing and computing systems. Rather than being powered by batteries, these sensor systems are powered by radio waves that are either deliberately broadcast or ambient. Enabled by ongoing exponential improvements in the energy efficiency of microelectronics, RF-powered sensing and computing is rapidly moving along a trajectory from impossible (in the recent past), to feasible (today), toward practical and commonplace (in the near future). This book is a collection of key papers on RF-powered sensing and computing systems including the WISP. Several of the papers grew out of the WISP [...] "}

Features
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Contents

Fields of interest
Kommunikationstechnik und -netze

Target groups
Research

Type of publication
Monograph


Hardcover
2013. XIV, 271 p. 149 illus., 95 in color.
Gewöhnlich versandfertig in 3-5 Werktagen.

T.M. Nakanishi, The University of Tokyo, Japan; K. Tanoi, The University of Tokyo, Japan (Eds.)

Agricultural Implications of the Fukushima Nuclear Accident

Following the Fukushima nuclear accident, a large volume of monitoring data has been collected about the soil, air, dust, and seawater, along with data about an immense number of foods supplied to the market. Little is known, however, about the effect of radioactive fallout on agriculture, information about which is vital. Although more than 80% of the damaged area is related to agriculture, in situ information specifically for agriculture is scarce. This book provides data about the actual movement and accumulation of radioactivity in the ecological system—for example, whether debris deposited on mountains can be a cause of secondary contamination, under what conditions plants [...] "}

Features
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Contents

Fields of interest
Umweltwissenschaften; Lebensmittelwissenschaft; Pflanzenökologie; Tierökologie; Meeres- und Süßwasserforschung

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-4-431-54327-5

Hardcover
2013. X, 204 p. 96 illus., 69 in color.
ISBN 978-4-431-54327-5
Gewöhnlich versandfertig in 3-5 Werktagen.
Coral Reefs of the United Kingdom Overseas Territories

The tropical UK Territories have extensive coral reefs. Huge parts of these areas are exceptionally rich, productive and diverse. Their marine biodiversity exceeds that of the UK itself, and several are already, or are planned to be, strictly protected. Some of these areas serve as reference sites for many other countries with damaged reefs and they are oases of tropical marine biodiversity in a fast-degrading world. This book reviews all of the UK reefs, from those scarcely known to those where substantial research has already been performed.

Features
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Mechanism Design for Sustainability
Techniques and Cases

This book provides advanced analytics and decision management techniques and tools for developing sustainable competitive advantages in the studied target context. In order to achieve sustainable economy, "the capacity to endure," it is essential to understand and study the mechanisms for interactions and impact from and among these perspectives.

Features
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Fields of interest
Nachhaltige Entwicklung; Finanzierung / Banken; Regenerative Energien; Software Engineering; Energiepolitik; wirtschaft und -management; Produktion / Logistik

Target groups
Professional/practitioner

Type of publication
Monograph

More on www.springer.com/978-3-642-32080-4

Hardcover
2013. VIII, 254 p. 48 illus., 22 in color. (EcoProduction) 139,09 €
ISBN 978-3-642-32080-4

More on www.springer.com/978-3-642-35903-3

Wirtschaftswissenschaften

Z. Luo, University of Hong Kong, China (Ed.)

Mechanism Design for Sustainability

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Features
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Fields of interest
Nachhaltige Entwicklung; Finanzierung / Banken; Regenerative Energien; Software Engineering; Energiepolitik; wirtschaft und -management; Produktion / Logistik

Target groups
Professional/practitioner

Type of publication
Monograph

More on www.springer.com/978-94-007-5994-7

Hardcover
2013. XII, 316 p. 86 illus. 139,09 €
ISBN 978-94-007-5994-7

Gewöhnlich versandfertig in 3-5 Werktagen.

A Guide to Continuous Improvement Transformation
Concepts, Processes, Implementation

This book enables enterprise business leaders - from CEOs to supervisors - to understand what "Continuous Improvement" is, why it is probably the best answer to improved business performance in years, and how to put it to work in the unique environment of a specific organization. The book examines what is at the core of "Continuous Improvement" and delves deeper into the elements and constituents necessary to take an organization to the next level to ensure its continued, long-term existence. It provides guidance to enterprise management and to professionals engaged in the implementation of a "Continuous Improvement" initiative and enables them to structure and manage it[...]

Features
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Contents
Continuous Improvement: Setting the Stage.- Leadership.- Culture and Values.- Strategic Planning and Management.- Performance Measurement.- Performance Management.- Alignment, Commitment, Team Development and Management.- Process Improvement and Management.- Sustainability.- Conclusion.

Fields of interest
Produktion / Logistik; Organisation / Planung; Qualitätskontrolle, Sicherheit und Zuverlässigkeit; Business Strategy/Leadership; Project Management

Target groups
Professional/practitioner

Type of publication
Professional book

More on www.springer.com/978-3-642-35903-3

Hardcover
2013. XIII, 204 p. 28 illus. (Management for Professionals) 64,19 €
ISBN 978-3-642-35903-3

Gewöhnlich versandfertig in 3-5 Werktagen.
Advanced Treasury Management
Finanzierung und Investition für Fortgeschrittene


Features
"Advanced Treasury Management" ist ein Lehrbuch für Fortgeschrittene, die ihre Kenntnisse in den klassischen betriebswirtschaftlichen Lehrgebieten Finanzierung und Investition vertiefen möchten. Es ist gleichermaßen als eigenständig bearbeitbare Ersatzebene wie auch als Fortsetzung des Grundlagen schaffende und im gleichen Verlag erschienenen Werkes "Treasury Management" konzipiert. Wie dieses setzt das […]

Contents

Fields of interest
Volkswirtschaftlehre; Finanzmarktökonomie; Finanzierung / Banken

Target groups
Graduate

Type of publication
Graduate/advanced undergraduate textbook

More on www.springer.com/978-3-658-01533-6

Anteilsbasierte Vergütung nach IFRS 2
Kommentierung der Share-based Payments


Features
Anteilsbasierte Vergütung nach IFRS 2 Mit Verbreitung des Shareholder-Value-Ansatzes ist auch in der deutschen Unternehmenspraxis die Bedeutung anteilsbasiierter Vergütungsformen gestiegen. Lange Zeit wurden Rechnungslegungsfragen kontrovers diskutiert und nicht zuletzt durch die Finanzmarktkrise diese Vergütungsmodelle in den Mittelpunkt. Der IFRS 2 trägt der zunehmenden […]

Contents

Fields of interest
Rechnungswesen / Wirtschaftsprüfung

Target groups
Professional/practitioner

Type of publication
Professional book

More on www.springer.com/978-3-658-01550-3

Advances in Metaheuristics

Metaheuristics have been a very active research topic for more than two decades. During this time many new metaheuristic strategies have been devised, they have been experimentally tested and improved on challenging benchmark problems, and they have proven to be important tools for tackling optimization tasks in a large number of practical applications. In other words, metaheuristics are nowadays established as one of the main search paradigms for tackling computationally hard problems. Still, there are a large number of research challenges in the area of metaheuristics. These challenges range from more fundamental questions on theoretical properties and performance guarantees, […]

Features
Metaheuristics have been a very active research topic for more than two decades. During this time many new metaheuristic strategies have been devised, they have been experimentally tested and improved on challenging benchmark problems, and they have proven to be important tools for tackling optimization tasks in a large number of practical applications. In other words, metaheuristics are nowadays […]

Contents
Finite First Hitting Time versus Stochastic convergence in Particle Swarm Optimisation.- Using Performance Profiles for the Analysis and Design of Benchmark Experiments.- Real-World Parameter Tuning using Factorial Design with Parameter Decomposition.- Evolving PACing Strategies for Team Pursuit Track Cycling.- A Dual Mutation Operator to Solve the Multi-objective Production Planning of Perishable Goods.- Brain cine MRI Registration using MLSDO Dynamic Optimization Algorithm.- GRASP with Path Relinking for the Two-Echelon Vehicle Routing Problem.- A Hybrid (1+1)-Evolutionary Strategy […]

Fields of interest
Operations Research / Entscheidungstheorie; Planungstheorie; Mathematisches Programmieren

Target groups
Research

Type of publication
Contributed volume

More on www.springer.com/978-1-4614-6321-4

Hardcover
2013. XIV, 183 p. 60 illus., 19 in color. (Operations Research/Computer Science Interfaces Series, Band 53)
106,99 €
ISBN 978-1-4614-6321-4

Gewöhnlich versandfertig in 3-5 Werktagen.
Bilanzpolitik und Pensionsverpflichtungen nach IAS 19

Eine empirisch ökonometrische Untersuchung am deutschen Kapitalmarkt


Die Bilanzierung von Pensionsverpflichtungen nach IAS 19 gilt seit Jahrzehnten als komplex und sieht sich daher einem stetigen Reformbedarf ausgesetzt. Marko Ljubicic legt dar, in welcher Form bilanzpolitische Gestaltungspotenziale im Rahmen der Bilanzierung von Pensionsverpflichtungen nach IAS 19 existieren und systematisiert deren verschiedene Gestaltungsmöglichkeiten. Da die häufig genutzten [...] Features


Fields of interest

Rechnungswesen / Wirtschaftsprüfung

Target groups

Research

Type of publication

Monograph

More on www.springer.com/978-3-658-00156-8

Softcover

2013. X, 194 S. 41 Abb.

49,99 €

ISBN 978-3-658-00156-8

Gewöhnlich versandfertig in 3-5 Werktagen.
Citizenship and Migration in the Era of Globalization

The Flow of Migrants and the Perception of Citizenship in Asia and Europe

In an age of globalization there is frequent migration across national borders, resulting in a reconsideration of the notion, practice and social institution of national citizenship. Addressing this phenomenon, the book focuses on the exchange between, and responses of, Korea and Germany. In particular, the book deals extensively with citizenship in Korea where the concept of citizenship is young, and thus the study of citizenship is relatively scarce. This book may be the first of its kind, bringing together eminent Korean and German scholars to analyse various aspects of citizenship in Korea. It is hoped that it will contribute to scholarship in the fields of citizenship and [...] features.

Features
In an age of globalization there is frequent migration across national borders, resulting in a reconsideration of the notion, practice and social institution of national citizenship. Addressing this phenomenon, the book focuses on the exchange between, and responses of, Korea and Germany. In particular, the book deals extensively with citizenship in Korea where the concept of citizenship is young. [...] contents.

Contents

Fields of interest
Sozialpolitik; Recht (allgemein)

Target groups
Research

Type of publication
Monograph


P.P. Eckstein, HTW Berlin

Datenanalyse mit SPSS

Realdatenbasierte Übungs- und Klausuraufgaben mit vollständigen Lösungen


Features

Contents
Aufgaben und Lösungen in den Bereichen. - Statistische Grundbegriffe, Datenverarbeitung, Datendeskription, SPSS-Datenmanagement. - Stochastik und statistischer Induktionszusammenhangsanalyse, Regressionsanalyse, Zeitreihenanalyse, Faktorenanalyse, Clusteranalyse und Baumanalyse. - weiterspezifische Aufgaben. - Statistik in Wirtschaftswissenschaften, Finanzmathematik, Ver sicherungen. - Target groups
Lower undergraduate

Type of publication
German textbook


Softcover
Determinanten des Vorgründungsprozesses

Einfluss unternehmerischer Chancen und des Gründungsklimas im Hochschulumfeld


Features
Trotz zahlreicher Sensibilisierungs- und Fördermaßnahmen gelingt es bislang in Deutschland nicht, das umfangreich vorhandene Ausgründungspotential der Hochschulen zu erschließen. Mario Geißler legt zu diesem als praktischer Sicht spannenden Feld der Ausgründung aus Hochschulen innovative Forschungsergebnisse vor. Aus einer verhaltenswissenschaftlichen Perspektive untersucht er den Vorgründungsprozess und [...] 

Contents

Fields of interest
Entrepreneurship

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-3-658-01664-7

Softcover
2013. XXI, 252 S. 51 Abb. (Markenkomunikation und Beziehungsmarketing)
49,99 €
ISBN 978-3-658-01664-7
Gewöhnlich versandfertig in 3-5 Werktagen.

Die Entwicklung Ihres Unternehmens

Der Weg zu einer wirklich ertragreichen Selbständigkeit

Es gibt viel Literatur zum Management von Unternehmen. In den meisten Fällen handelt es sich um sehr theoretische, wissenschaftliche Abhandlungen, die im Tagesgeschäft eines Unternehmens begrenzt oder gar nicht weiterbringen. Dieses Buch ist anders. Es richtet sich in klaren Worten genau an Sie, den Inhaber einer kleinen, mittleren oder auch einer größeren Firma! Was behindert tatsächlich die weitere Entwicklung Ihres Unternehmens? Wie schaffen Sie es, Ihr Unternehmen wirklich auf Wachstumskurs zu bringen, ohne hierbei privat auf der Strecke zu bleiben? Steffen Ritter vermittelt anschaulich und bewegend zehn Entwicklungsschritte, gleichsam die „Bedienungsanleitung“ für junge oder[...]

Features
Die Entwicklung Ihres Unternehmens.Steffen Ritter vermittelt anschaulich zehn Entwicklungsschritte, gleichsam die „Bedienungsanleitung“ für junge oder bereits tätige Unternehmer, die Sie garantiert voranbringt. Sie lernen, sich selbst für Ihre Firma bewusst und in den richtigen Aufgaben einzusetzen. Sie entwickeln Systeme, mit denen Sie erfolgreiches Wachstum fast nicht mehr [...] 

Contents
Gedanken zum Wachstum eines Unternehmens.- Unabhängig vom Chef?.- In zehn Schritten: Bedienungsanleitung für Ihr Unternehmenswachstum.- Der Weg in Ihre Praxis.

Fields of interest
Business Strategy/Leadership; Finanzierung / Banken

Target groups
Professional/practitioner

Type of publication
Professional book

More on www.springer.com/978-3-8349-4522-8

Hardcover
2013. XII, 148 S.
29,99 €
ISBN 978-3-8349-4522-8
Versandfertig innerhalb von 3 Tagen.

Die Frauen und das Netz

Angebote und Nutzung aus Genderperspektive


Features
Innovationspotenzial des Internets zur Gestaltung ihres Lebens- und[...]

Contents

Fields of interest
Marketing

Target groups
Professional/practitioner

Type of publication
Professional book

More on www.springer.com/978-3-8349-4128-2

Hardcover
2013. VIII, 344 S. 50 Abb.
59,95 €
ISBN 978-3-8349-4128-2
Versandfertig innerhalb von 3 Tagen.
Einführung in die Medienwirtschaftslehre

Welche mediöonomischen Anknüpfungspunkte haben speziell Studierende als Abnehmer und kün-""
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Enterprise Identity Management
Towards an Investment Decision Support Approach

The introduction of Enterprise Identity Management Systems (EIDMS) in organizations even beyond the purely technological level is a costly and challenging endeavor. However, for decision makers it seems difficult to fully understand the impacts and opportunities arising from the introduction of EIDMS. This book explores the relevant aspects for an ex-ante evaluation of EIDMS. Therefore it examines this domain by employing a qualitative expert interview study to better understand the nature of EIDMS, as they are situated between security and productive IT systems. To this regard, the focus is put on the general nature of EIDMS projects and the constructs being relevant for analyzing.[...]

Contents

Fields of interest
Wirtschaftsinformatik; System- und Datenschutz; Verwaltung von Rechner- und Informationssystemen; Technologiemanagement

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-3-642-35039-9

Hardcover

Equilibrium Models in an Applied Framework
Industrial Structure and Transformation

This book gives the historical development, explanations of technical specifications, and a basic understanding of how to use different equilibrium models in an applied framework. It contains an accessible analytical survey of economic equilibrium models, including multi-sector programming models (linear and quadratic) and the computable general equilibrium (CGE) model. The book introduces the importance of disinvestment, and hence, a model of economic transformation is developed. Finally, the globalization process of the production system is examined. The equilibrium models in this book are presented in an easy way. Although the book is primarily written for advanced undergraduates[...]

Features
This book gives the historical development, explanations of technical specifications, and a basic understanding of how to use different equilibrium models in an applied framework. It contains an accessible analytical survey of economic equilibrium models, including multi-sector programming models (linear and quadratic) and the computable general equilibrium (CGE) model. The book introduces the importance of[...]

Contents

Fields of interest
Mikroökonomie; Wirtschaftstheorie; Simulation und Modellierung; Industriekonomik

Target groups
Graduate

Type of publication
Graduate/advanced undergraduate textbook

More on www.springer.com/978-3-642-34993-5

Softcover

European Retail Research
2012, Volume 26, Issue II

The aim of EUROPEAN RETAIL RESEARCH is to publish interesting manuscripts of high quality and innovativeness with a focus on retail researchers, retail lecturers, retail students and retail executives. As it has always been, retail executives are part of the target group and the knowledge transfer between retail research and retail management remains a part of the publication’s concept. EUROPEAN RETAIL RESEARCH welcomes manuscripts on original theoretical or conceptual contributions as well as empirical research - based either on large-scale empirical data or on the case-study method. Following the state of the art in retail research, articles on any major issues that concern the[...]

Features
The aim of EUROPEAN RETAIL RESEARCH is to publish interesting manuscripts of high quality and innovativeness with a focus on retail researchers, retail lecturers, retail students and retail executives. As it has always been, retail executives are part of the target group and the knowledge transfer between retail research and retail management remains a part of the publication’s concept. EUROPEAN RETAIL RESEARCH[...]

Contents

Fields of interest
Sales/Distribution/Call Center/Customer Service

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-3-658-00716-4

Softcover
2013, VII, 166 p. 11 illus. 64.19 € ISBN 978-3-658-00716-4

Gewöhnlich versandfertig in 3-5 Werktagen.
Fulfilling the Promise of Technology Transfer

Fostering Innovation for the Benefit of Society

Universities and research institutes are increasingly expected to contribute to society by creating innovation from the returns of their research results and the establishment of new technologies. Toward that goal, Keio University in Japan held an international symposium titled “Fulfilling the Promise of Technology Transfer: Fostering Innovation for the Benefit of Society.” From that symposium the following contents are included in the present volume: 1) A showcase of ideas and case studies to promote future creation of innovation by universities and research institutes worldwide, including information on the R&D-value chain, licensing, income generation, start-ups and mechanisms to [...] Features

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F & E / Technologiepolitik; Internationales IT- und Medienrecht, Geistiges Eigentum; Entrepreneurship; Technologiemanagement Target groups

Research Type of publication


Gewöhnlich versandfertig in 3-5 Werktagen.

Führen – In der Einfachheit liegt die Stärke

Mit 7 Verhaltensparametern zum gemeinsamen Erfolg


Faszinationsfähigkeit.- Öffnungsfähigkeit.- Ordnungsfähigkeit.- Integrationsfähigkeit.- Finales Denken.- Durchsetzungsfähigkeit.- Angemessenheit. Fields of interest

Management Praxis ; Personalmanagement ; Betriebswirtschaftslehre Target groups

Professional/practitioner Type of publication


Evolvodynamics - The Mathematical Theory of Economic Evolution

A Coherent Way of Interpreting Time, Scarceness, Value and Economic Growth

Dissatisfied with the flaws of orthodox economics, the author proposes to base economic theory on the three principles of Darwinian evolution (variation, inheritance, selection). Pursuing a suggestion of E.T. Jaynes of 1991, the innovation is in treating economic behavior as chance events of selection. This involves abandoning the methods of mainstream economics and to apply instead the methods by which Claude E. Shannon analyzed information transport over a stationary channel. As economic processes are non-stationary, the author clarifies first how the Shannon-system must be reshaped in a system capable to describe economic evolution mathematically. As economic processes are [...] Features

Dissatisfied with the flaws of orthodox economics, the author proposes to base economic theory on the three principles of Darwinian evolution (variation, inheritance, selection). Pursuing a suggestion of E.T. Jaynes of 1991, the innovation is in treating economic behavior as chance events of selection. This involves abandoning the methods of mainstream economics and to apply instead the methods by which [...] Contents


Wirtschaftstheorie; Sozio- und Ökonomie; Wirtschaft.uforschung; Komplexität Target groups

Research Type of publication


Fulfilling the Promise of Technology Transfer

Fostering Innovation for the Benefit of Society

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F & E / Technologiepolitik; Internationales IT- und Medienrecht, Geistiges Eigentum; Entrepreneurship; Technologiemanagement Target groups

Research Type of publication


Gewöhnlich versandfertig in 3-5 Werktagen.

Führen – In der Einfachheit liegt die Stärke

Mit 7 Verhaltensparametern zum gemeinsamen Erfolg


Faszinationsfähigkeit.- Öffnungsfähigkeit.- Ordnungsfähigkeit.- Integrationsfähigkeit.- Finales Denken.- Durchsetzungsfähigkeit.- Angemessenheit. Fields of interest

Management Praxis ; Personalmanagement ; Betriebswirtschaftslehre Target groups

Professional/practitioner Type of publication

Grenzgänge im Management
Quellen für neue Lösungsansätze

Features
Welche Parallelen lassen sich zwischen dem Triathlon und dem Management von Unternehmen ziehen? Was haben psychosomatische Störungen und managementbedingte Fehlentwicklungen gemeinsam? Diese und weitere spannende Analogien greift Werner Boysen in seinem Buch auf, um Impulse für ganzheitliches und nachhaltiges Management zu geben. Der Blick über den eigenen Tellerrand sowie übergreifendes Denken und [...] [...]

Contents

Gewöhnlich versandfertig in 3-5 Werktagen.

Handbook of Healthcare Operations Management
Methods and Applications
From the Preface: Collectively, the chapters in this book address application domains including impatient and outpatient services, public health networks, supply chain management, and resource constrained settings in developing countries. Many of the chapters provide specific examples or case studies illustrating the applications of operations research methods across the globe, including Africa, Australia, Belgium, Canada, the United Kingdom, and the United States. Chapters 1-4 review operations research methods that are most commonly applied to healthcare operations management including: queueing, simulation, and mathematical programming. Chapters 5-7 address challenges related to [...] [...]

Features
From the Preface: Collectively, the chapters in this book address application domains including impatient and outpatient services, public health networks, supply chain management, and resource constrained settings in developing countries. Many of the chapters provide specific examples or case studies illustrating the applications of operations research methods across the globe, including Africa, [...] [...]

Contents

Fields of interest Operations Research / Entscheidungstheorie; Verwaltung und Organisation im Gesundheitswesen; Planungstheorie; Mathematisches Programmieren - Target groups Research - Type of publication Handbook - More on www.springer.com/978-1-4614-5884-5

Gewöhnlich versandfertig in 3-5 Werktagen.

Immigrants in Regional Labour Markets of Host Nations
Some Evidence from Atlantic Canada
This book is the first to present a detailed analysis of economic integration of immigrants in smaller areas of their host nations. It uses Atlantic Canada as a case in point and uses unpublished data based on several databases of Statistics Canada and Citizenship and Immigration, Canada. It identifies best policy practices that can also be used in other countries to address demographic challenges similar to those facing Canada, for example, population ageing and youth out-migration from smaller regions to larger regions, through immigration. Economic integration of immigrants in Atlantic Canada is faster and better than it is nationally. An overarching result is that an analysis of [...] [...]

Features
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Contents

Gewöhnlich versandfertig in 3-5 Werktagen.
Management von Medienunternehmen
Digitale Innovationen - crossmediale Strategien


Features
Die Digitalisierung hat die Distribution von Medieninhalten in den letzten 20 Jahren revolutioniert. Die digitalen Übertragungswege zur Verbreitung von Medieninhalten werden kontinuierlich verbessert: hochauflösendes TV, HBB-TV, mobile Endgeräte, Apps, Video-on-Demand-Plattformen und Home Entertainment sind dabei die wichtigsten Schlagworte. Das vorliegende Fachbuch liefert einen aktuellen Überblick.[...]

Contents

Fields of interest
Medien, Medienmanagement; Technologiemanagement; Organisation / Planung

Target groups
Professional/practitioner

Type of publication
Professional book

More on www.springer.com/978-3-8349-4255-5

Softcover
2013. Etwa 300 S. 20 Abb.
49,95 €
Versandfertig innerhalb von 3 Tagen.

D. Zitzlsperger, Kaiserslautern

NBD-Prognosemodelle im Kundenbeziehungsmanagement
Einordnung, Implementierung und praktische Anwendungsempfehlung


Features

Contents
Grundlagen des Kundenbeziehungsmanagements.- Vorhersage von Kundentransaktionen.- Vollstochastische RFM-Prognosemodelle.- Implementierung ausgewählter NBD-Modelle

Fields of interest
Marketing

Target groups
Research

Type of publication
Contributed volume

More on www.springer.com/978-3-7908-2866-5

Hardcover
2013. X, 334 p. 25 illus. (Contributions to Management Science)
139,05 €
ISBN 978-3-7908-2866-5

Gewöhnlich versandfertig in 3-5 Werktagen.
Netzwerke
Tools für das Netzwerkanagement


Features

Contents

Fields of interest
Management Praxis; Organisation / Planung; Business Strategy/Leadership

Target groups
Professional/practitioner

Type of publication
Professional book

More on www.springer.com/978-3-658-00257-2

Softcover
2013. VI, 145 S. 29 Abb.
49,99 €
Gewöhnlich versandfertig in 3-5 Werktagen.

Organisation internationaler Nichtregierungsorganisationen
Aufbau und Koordination von NGOs im System der Vereinten Nationen


Features
Auch Nichtregierungsorganisationen oder „Non-Governmental Organizations“ (NGOs) sind einem zunehmenden Wettbewerbsdruck unterworfen, der sie zu einem betriebswirtschaftlich orientierten Management drängt. Daniel Schwenger stellt NGOs als „non-profit“-Unternehmungen in den betriebswirtschaftlichen Fokus und beleuchtet sie aus der Perspektive des Internationalen Managements nach ihren [...]]

Contents
Markt und Wettbewerb für NGOs. - Aufbau und Koordination bei internationalen NGOs. - Empirische Forschung bei NGOs. - Management von NGOs.

Fields of interest
Management Praxis

Target groups
Lower undergraduate

Type of publication
Monograph

More on www.springer.com/978-3-658-01544-2

Softcover
2013. XVIII, 334 p. 18 illus. (Familienunternehmen und KMU)
69,99 €
Gewöhnlich versandfertig in 3-5 Werktagen.

Organizational Adaptation to Discontinuous Technological Change
The Effects of Family Influence and Organizational Identity

Adaptation to discontinuous technological change constitutes a major, yet vincible challenge for established companies. This book reveals crucial differences between the challenges that family-owned and managed firms face as compared to non-family firms. Series of case studies in the German retailing and book publishing industries illustrate those differences. Empirical evidence as presented in the book further shows how organizational identity affects whether and in what way firms adapt to radical shifts in their environment.

Features
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Contents

Fields of interest
Betriebswirtschaftslehre

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-3-658-01314-1

Softcover
2013. XVIII, 334 p. 18 illus. (Familienunternehmen und KMU)
69,99 €
ISBN 978-3-658-01314-1
Gewöhnlich versandfertig in 3-5 Werktagen.

Organisation internationaler Nichtregierungsorganisationen
Aufbau und Koordination von NGOs im System der Vereinten Nationen


Features
Auch Nichtregierungsorganisationen oder „Non-Governmental Organizations“ (NGOs) sind einem zunehmenden Wettbewerbsdruck unterworfen, der sie zu einem betriebswirtschaftlich orientierten Management drängt. Daniel Schwenger stellt NGOs als „non-profit“-Unternehmungen in den betriebswirtschaftlichen Fokus und beleuchtet sie aus der Perspektive des Internationalen Managements nach ihren [...]]

Contents
Markt und Wettbewerb für NGOs. - Aufbau und Koordination bei internationalen NGOs. - Empirische Forschung bei NGOs. - Management von NGOs.

Fields of interest
Management Praxis

Target groups
Lower undergraduate

Type of publication
Monograph

More on www.springer.com/978-3-658-01544-2

Softcover
2013. XVIII, 334 p. 18 illus. (Familienunternehmen und KMU)
69,99 €
Gewöhnlich versandfertig in 3-5 Werktagen.

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Contents

Fields of interest
Betriebswirtschaftslehre

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-3-658-01314-1

Softcover
2013. XVIII, 334 p. 18 illus. (Familienunternehmen und KMU)
69,99 €
ISBN 978-3-658-01314-1
Gewöhnlich versandfertig in 3-5 Werktagen.
Organizational Epistemology
Understanding Knowledge in Organizations

This book presents an in-depth perspective of knowledge as a fundamental process of any organization rather than just another resource to be managed. The author presents a process-oriented theory of creating and applying knowledge directed towards both researchers and practitioners. In this book, the author develops normative knowledge management guidelines which draw from a unique view on knowledge, discussed in the field of philosophy since Plato but neglected by most knowledge management authors — by applying a philosophically grounded social epistemology to organizations. The guidelines in this book call for an open and reflective space of knowledge creation, aligned with goals.

Features
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Contents
Part I Organizational Knowledge.
Part II Epistemology.
Part III Organizational Epistemology.

Fields of interest
Wirtschaftsinformatik; Erkenntnistheorie; Organisation / Planung; Organisationstheorie, Wirtschaftssoziologie

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-3-642-34193-9

Orientierung in bekannten und unbekannten Ladenumwelten
Theorie, Befunde und Implikationen

Eine erfolgreiche Orientierung des Konsumenten am Point of Sale (POS) ist die Voraussetzung für Kaufrealisierungen während eines Ladenbesuches. Für eine effektive Verkaufsräumgestaltung ist die Kenntnis von Orientierungsprozessen und Orientierungsaktivitäten des Konsumenten wichtig, um auf Bedürfnisse unterschiedlicher Konsumentengruppen einzugehen. Die Arbeit liefert ein Modell zu Determinanten und Wirkungen der Orientierung von Konsumenten in Ladenumwelten und ein Messinstrument zur Erfassung der Orientierung am POS, das in zwei Einkaufsstätten des Lebensmittelhandels getestet wird. Am Beispiel der Lebensmittelbranchen werden relevante Implikationen für die Gestaltung von...

Features
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Contents

Fields of interest
Marketing

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-3-658-01355-4

Planung von Strategien gegen industrielle Produktpiraterie

Oliver Kleine leistet einen ganzheitlichen Beitrag zur Verbesserung der Entscheidungsqualität im Rahmen der Planung einer Strategie gegen Produktpiraterie. Primäres Ziel ist es, die Lücken im aktuell verfügbaren Planungsinstrumentarium durch die Entwicklung eines modellgestützten Instruments zur quantitativen Analyse und Bewertung des Pirateriekriegs bzw. geeigneter Gegenstrategien zu schließen. Im Ergebnis wird nicht nur ein strategisches Planungsinstrument samt dazugehörigem Planungssatz zur Verfügung stellt sondern auch ausführlich im Rahmen einer Fallstudie aus den industriellen Praxis erläutert und validiert.

Features
Der Charakter des Phänomens Produktpiraterie als potenziell existenzbedrohendes Risiko ist heute im Allgemeinen ebenso unbestritten wie sein faktischer Einfluss auf den industriellen Wettbewerb im Besonderen. Oliver Kleine liefert einen ganzheitlichen Beitrag zur Verbesserung der Entscheidungsqualität im Rahmen der Planung einer Strategie gegen Produktpiraterie. Er wird ein strategisches...

Contents

Fields of interest
Produktion / Logistik

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-3-658-01796-5

144 Wirtschaftswissenschaften

K. Seirafi, University of Applied Sciences Upper Austria

H.-H. Wang, Göttingen

O. Kleine, Gernsheim, Deutschland
Power, Voting, and Voting Power: 30 Years After

The developments over a thirty-year time span in the study of power, especially voting power, are traced in this book, which provides an up-to-date overview of applications of n-person game theory to the study of power in multiliberal bodies. Other theories that shed light on power distribution (e.g., aggregation theory) are treated as well. The book revisits the themes discussed in the well-known 1982 publication "Power, Voting and Voting Power" (edited by Manfred J. Holler). Thirty years later this essential topic has been taken up again and many of the authors from its predecessor participate here again in discussing the state-of-the-art, demonstrating the achievements of three...[...]

Features
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Contents

Fields of interest
Operational Research / Entscheidungstheorie; Produktions/logistik; Sales/Distribution/Call Center/Customer Service; Simulation und Modellierung

Target groups
Research

Type of publication
Monograph

More on www.springer.com/978-3-642-33471-9

Hardcover
2013. Li, 319 p. 121 illus. (Contributions to Management Science) 139,05 € ISBN 978-3-642-33471-9

Gewöhnlich versandfertig in 3-5 Werktagen.

Pro-active Dynamic Vehicle Routing
Real-Time Control and Request-Forecasting Approaches to Improve Customer Service

This book deals with transportation processes denoted as the Real-time Distribution of Perishable Goods (RDOPG). The book presents three contributions that are made to the field of transportation. First, a model considering the minimization of customer inconvenience is formulated. Second, a proactive real-time control approach is proposed. Stochastic knowledge is generated from past request information and is used in the pro-active approach to guide vehicles to request-likely areas before real requests arrive there. Various computational results are presented to show that in many cases the pro-active approach is able to achieve significantly improved[...]

Features
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Contents

Fields of interest
Operational Research / Entscheidungstheorie; Produktions/logistik; Sales/Distribution/Call Center/Customer Service; Simulation und Modellierung

Target groups
Research

Type of publication
Monograph

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Hardcover
2013. Li, 319 p. 121 illus. (Contributions to Management Science) 139,05 € ISBN 978-3-642-33471-9

Gewöhnlich versandfertig in 3-5 Werktagen.

Qualitätsmanagement für Nonprofit-Organisationen
Grundlagen – Planung – Umsetzung – Kontrolle

Manfred Bruhn liefert Entscheidungsträgern in Nonprofit-Organisationen wertvolle Hilfestellung bei einer systematischen strategischen Konzeption und Implementierung eines ganzheitlichen Qualitätsmanagements, das über eine isolierte Anwendung von Einzelmaßnahmen zur Messung und Steuerung der Qualität von Nonprofit-Leistungen hinausgeht. Dabei zieht das Buch gleichermaßen auf ein Qualitätsmanagement für unterschiedliche Nonprofit-Bereiche, wie beispielsweise Kranken- häuser, Pflegedienste, Museen, Theater, Universitäten, Kirchen oder Umweltschutzorganisationen. All jene, die sich mit diesem Thema in Lehre, Wissenschaft und Praxis auseinandersetzen, erhalten einen vollständigen Überblick[...]

Features
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Contents

Fields of interest
Non-Profit Enterprises/Corporate Social Responsibility; Management Praxis; Marketing

Target groups
Professional/practitioner

Type of publication
Professional book

More on www.springer.com/978-3-658-00353-1

Hardcover
2013. VI, 253 S. 59,95 € ISBN 978-3-658-00353-1

Versandfertig innerhalb von 3 Tagen.
Reliability and Risk Evaluation of Wind Integrated Power Systems

The world is witnessing a rapid growth in wind and other renewable based electricity generation due to environmental concerns associated with electricity generation from the conventional sources. Wind power behaves quite differently than conventional electric power generating units due to its intermittent and diffuse nature. System planners and operators face the variability and uncertainty of wind power availability, and therefore, encounter considerable challenges in making decisions to maintain the adequacy and security of wind integrated power systems. This volume intends to bring out the original research work of researchers from academia and industry in understanding [...]
Stellenanzeigen erfolgreich texten

Einstimmen – Überzeugen – Gewinnen


Features

Bewerber um einen Arbeitsplatz möchten persönlich angesprochen und umworben werden – beides können die meisten Stellenanzeigen nicht leisten. Arbeitgeber unternehmen zwar große Anstrengungen, um den kreativen Auftritt in der Personalwerbung visuell zu optimieren, sie spielen jedoch selten die Macht des Wortes voll aus. Besonders in den Branchen, in denen Personaler qualifizierte Fachkräfte aktiv ansprechen [..]

Contents

Schreiben Sie für Ihren Wunschkandidaten.- Helfen Sie dem Leser, sich zu entscheiden.- Sprechen Sie die Zielgruppen-Sprache.- Behalten Sie den Wettbewerb im Auge.

Fields of interest

Management Praxis ; Personalmanagement ; Organisation / Planung

Target groups

Professional/practitioner

Type of publication

Professional book

More on www.springer.com/978-3-658-00496-5

Softcover

2013. VI, 185 S. 1 Abb.
19,99 €
Versandfertig innerhalb von 3 Tagen.

Sustainable Leadership

Modellentwicklung, empirische Überprüfung und Gestaltungshinweise


Features


Contents


Fields of interest

Wirtschaftswissenschaften (allgemein)

Type of publication

Ph.D. thesis

More on www.springer.com/978-3-8349-2985-3

Softcover

2013. XXV, 350 S. 34 Abb. (Integrierte Unternehmensführung)
59,99 €
ISBN 978-3-8349-2985-3
Gewöhnlich versandfertig in 3-5 Werktagen.

Systematische Prognosefehler in der Unternehmensplanung

Eine ökonomisch-psychologische Analyse

Features


Contents

Herleitung eines allgemeinen Modells zur Erklärung des Prognoseverhaltens.- Modellgestützte Erklärung systematischer Prognosefehler durch Interessenkonflikte.- Vervollständigung des Modells des Prognoseverhaltens mit begrenzten kognitiven Fähigkeiten.- Beispiele für die Bewertung vorhandener Problemlösungsansätze durch das Modell.

Fields of interest

Wirtschaftswissenschaften (allgemein)

Type of publication

Monograph

More on www.springer.com/978-3-8349-2985-3

Softcover

2013. XXII, 242 S. 30 Abb. (Schriften des Center for Controlling & Management (CCM), Band 47)
49,99 €
ISBN 978-3-8349-2985-3
Gewöhnlich versandfertig in 3-5 Werktagen.
The Impact of International Trade and FDI on Economic Growth and Technological Change

Economic globalisation and technological change are the two issues that concerned people in the past, concern them today and will concern them in the future - all over the world, poor or rich. Traditionally, questions about allocative effects are asked: What are the labour market implications? Who loses? Who wins? What is the net aggregate welfare effect after an adjustment period? However, two points are rarely taken into consideration: How do globalisation and technological change interact and what are the potential long-run implications for economic growth? This book addresses the interplay of these megatrends. It asks how economic globalisation may affect innovation and technology...[

Features
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Wege aus dem Reformstau
Zentrale Determinanten bei der Akzeptanz wachstumsstärkender Strukturreformen

Vor allem Ökonomen sehen sich immer wieder mit dem Problem konfrontiert, dass ihre Empfehlungen zur Förderung von Wachstum und Wohlstand auf erhebliche Ablehnung stoßen. Tasso A. Enzweiler liefert eine theoretisch basierte Bestimmung jener Einflussfaktoren, die für die Akzeptanz wachstumsfördernder Strukturreformen entscheidend sind und zeigt auf, dass die Frage der gesellschaftlichen Akzeptanz wachstumsstärkender Strukturreformen interdisziplinär behandelt werden sollte.

Features
Vor allem Ökonomen sehen sich immer wieder mit dem Problem konfrontiert, dass ihre Empfehlungen zur Förderung von Wachstum und Wohlstand auf erhebliche Ablehnung stoßen. Dies gilt umso mehr, je stärker es bei diesen Empfehlungen um marktwirtschaftlich ausgerichtete Strukturreformen geht, deren beabsichtigte Wirkungen nicht unmittelbar sichtbar werden und die mit einem Verlust von Privilegien verbunden sind. […]

Contents

Fields of interest
Volkswirtschaftslehre

Target groups
Research

Type of publication
Monograph


Gewöhnlich versandfertig in 3-5 Werktagen.

Who Will Provide the Next Financial Model?
Asia’s Financial Muscle and Europe’s Financial Maturity

During the past 4 years, faith in the present financial model has been shaken in terms of policy, regulation, the financial sector itself, and exchange-rate regimes. Past and present policies of the world’s most respected central banks have come under fire. Regulations that defined the system have undergone major reviews. Complicated financial instruments that provided new ways of financial intermediation have been exposed as culprits behind the financial meltdown. After 10 years of success, Europe’s single currency is under threat. In short, the established financial model not only has been unable to prevent the crisis but, arguably, has been a cause of it. There is no longer one […]

Features
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Fields of interest
Europäische Integration; Außenwirtschaft; Regionalforschung; Wachstum

Target groups
Graduate

Type of publication
Monograph

More on www.springer.com/978-4-431-54281-0

Hardcover
2013. XX, 291 p. 82 illus., 44 in color. 106,95 €
ISBN 978-4-431-54281-0

Gewöhnlich versandfertig in 3-5 Werktagen.

Practical mathematics in a commercial metropolis
Mathematical life in late 16th century Antwerp

Describes the development and the ultimate demise of the practice of mathematics in sixteenth century Antwerp. Against the background of the violent history of the Religious Wars the story of the practice of mathematics in Antwerp is told through the lives of two protagonists Michel Coignet and Peeter Heyns. The book touches on all aspects of practical mathematics from teaching and instrument making to the practice of building fortifications of the practice of navigation.

Features
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Contents

Fields of interest
Wissenschaftsgeschichte; Geschichte der Mathematik; Geschichte und philosophische Grundlagen der Physik; Architekturgeschichte und -theorie

Target groups
Research

Type of publication
Monograph


Hardcover
2013. XV, 258 p. 135 illus. (Archimedes, Band 31) 139,05 €

Gewöhnlich versandfertig in 3-5 Werktagen.
Oral and Cranial Implants

Recent Research Developments

Dentists are routinely faced with a huge choice of implant systems from different manufacturers, each of whom claims that its own particular system has advantages over the others. There is consequently a need for an evidence-based review of the field that offers authoritative practical guidance for dental practitioners. Oral and Cranial Implants: Recent Research Developments has been written with this in mind. It brings together all the recent key developments in implant research and discusses the underlying science relating to implant procedures and failures. Relevant literature is reviewed and clear practical advice is offered. This book will be ideal for dentists wishing to obtain [...]
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