Relax - Interiors for Human Wellness

In today’s fast-moving world everyone welcomes a place to relax, feel good, to recharge their batteries. Wellness and body care are gaining importance, and not only among the rich and famous. A huge number of wellness facilities have opened in recent years. Some are outstanding examples of superb interior design. Relax showcases the hottest 32 designs. It covers Spas and Thermal Baths, Massage, Hair and Beauty Salons, Health Farms and Gyms. Each project has been selected for its beauty and for the innovative concept behind its creation. In addition to works by well-known names such as Karim Rashid, Steven Holl and Jun Aoki, Relax includes interiors by promising young designers. All projects feature quality photography, in-depth essays, floor plans, project details and contact information. They are organized in four typological chapters, each of which concludes with an attractively designed yet unrealized project, illustrated with renderings.

Features
In-depth articles, floor plans, project details and contact information. Also includes inspired, as yet unrealized projects. Examples from all over the world.

Contents
estudio MINIM Vilá and Blanch, Compagnia della bellezza, Barcelona, Spain. - Abramson Teiger Architects, Dermalogica flagship store, Santa Monica, CA, USA. - Propeller Integraters, Glamour college of beauty and salon, Osaka, Japan. - plajer and franz studio, yi-spa-studio, Berlin, Germany. - C J Studio, Aesop, Taipei, Taiwan. - BWM Architects, John Harris Medical Spa, Austria. - BWM Architects, Bundy Bundy Hair, Austria. - 100% INTERIOR, Pusteblume Centre, Cologne, Germany. - HIROSHI NAKAMURA & NAP ARCHITECTS, Lotus Beauty Salon, Kowana, Japan. - Karim Rashid, Semiramis hotel, [...]

Fields of interest
Interior Architecture and Design; Building Types and Functions

Target groups
Interior designers, architects

Type of publication
Professional book

Due October 2007

48,00 €
architektur.aktuell 332, 11/2007

architektur.aktuell appears ten times per year, providing information on current themes in architecture, coverage of the most interesting completed buildings. State-of-the-Art photography, analysis by Europe’s leading architecture critics in English and German, as well as plans and technical data document the most significant new buildings in Austria and the rest of Europe. Essays on current theoretical and historical issues by prominent authors add depth to the thematic focuses, which treat architecture as cultural production. In addition, architektur.aktuell provides coverage of new products and reviews of books and exhibitions (in German) in its ‘journal’ section, with a calendar of events lending a further accent to the orientation.

Fields of interest
Architecture, general; Architects

Type of publication
Professional book

Due November 2007


12,90 €
ISBN 978-3-211-69897-6

architektur.aktuell 333, 12/2007


Fields of interest
Architecture, general; Architects

Type of publication
Professional book

Due December 2007

2007. 240 p. Softcover

19,90 €
ISBN 978-1-56898-734-7

E. Abruzzo, E. Ellingsen, J.D. Solomo (Eds.)

Models

Models are an essential component of the architect’s design process. As tools of translation, models assist the exploration of the possible and illustrate the actual. While models have traditionally served as representational and structural studies, they are increasingly being used to suggest and solve new spatial and structural configurations. Models, the eleventh number of the highly regarded journal 306090, explores the role of the architectural model today in relation to the idea, the diagram, the technique, and the material. Models includes contributions from engineers, scientists, poets, painters, photographers, historians, urbanists, and architects both young and experienced.

Fields of interest
Architecture, general

Type of publication
Professional book

Due October 2007

2007. 240 p. Softcover

19,90 €
ISBN 978-1-56898-734-7
Science and History
A Reassessment of the Historiography of Science

Professor Joseph Agassi has published his Towards an Historiography of Science in 1963. It received many reviews by notable academics, including Maurice Finocchiaro, Charles Gillispie, Thomas S. Kuhn, Geroge Mora, Nicholas Rescher, and L. Pearce Williams. It is still in use in many courses in the philosophy and history of science. Here it appears in a revised and updated version with responses to these reviews and with many additional chapters, some already classic, others new. They are all paradigms of the author's innovative way of writing fresh and engaging chapters in the history of the natural sciences.

Features
it is an intriguing book; it teaches how to avoid reading and writing boring material. It makes the history of science lively.

Contents
TABLE OF CONTENTS
Towards an Historiography of Science I. Chroniclers in the Courts of Science: Introductions to the New Edition Introductory Note: On studies and their motivations First preliminary essay: On the desirable standard of publication. Second Preliminary Essay: Third preliminary essay: On the desirable standards of popular science Fourth preliminary essay: On the merit of flogging dead horses Concluding preliminary essay: On the sifting of the grain from the chaff. II The original essay revised: Introductory Note &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbs...
D. Arditti, British Astronomical Association, UK

Setting-up a Small Observatory
From Concept to Construction

This is the book to tell the intermediate-level amateur astronomer what he needs to know about observatories. It draws on the author’s practical experience and that of many other experienced amateur astronomers. It is an ideal complement to Patrick Moore’s More Small Astronomical Observatories which is a compendium of ideas for different observatory designs. Setting up a Small Observatory covers the details of design, siting and construction once a basic type has been decided upon. It is written in a way that is equally applicable to the USA and UK (where there are slightly different building regulations) and deals with matters that are basic to building and commissioning any amateur observatory. uniquely, David Arditti also considers the aesthetics of amateur observatories – fitting them in with family and neighbors, and maybe disguising them as more common garden buildings if necessary. Every amateur astronomer who wants a purpose-built observatory (and that is most of them!) will find this book [\ldots]

Features
Helps you decide whether you really need an observatory, what type you should choose, where you should put it Hints on how to get family and neighbours to agree to it Helps making the most costly decisions Suggests what telescopes and other equipment you should put in your new observatory

Contents
Introduction - Telescopes and techniques - The observatory site - Fitting it in - The observatory - Types of observatories - To build or buy - Techniques of construction - Some case studies - Finishing the observatory - Comfort and convenience - Getting the best from equipment - Appendices

Fields of interest
Astronomy; Popular Science in Astronomy

Target groups
Amateur and Practical Astronomers

Type of publication
Popular science

Due December 2007

M.v. Atten, IHPST, Paris, France; P. Boldini, Université Paris IV, France; M. Bourdeau, IHPST, Paris, France; G. Heinzmann, Université de Nancy, France (Eds.)

One Hundred Years of Intuitionism (1907-2007)

With logicism and formalism, intuitionism is one of the main foundations for mathematics proposed in the twentieth century; and since the seventies, notably its views on logic have become important also outside foundational studies, with the development of theoretical computer science. The aim of the book is threefold: to review and complete the historical account of intuitionism (in particular in relation to other varieties of constructivism); to present recent philosophical work on intuitionism; and to give examples of new technical advances and applications of intuitionism. This volume brings together 21 contributions by today’s leading authors on these topics, and surveys the philosophical, logical and mathematical implications of the approach initiated in 1907 in L.E.J. Brouwer’s dissertation.

Features
Large variety of facets studied: biographical, contextual, philosophical, logical, and mathematical Significant progress on problems central to current foundational studies Brings together 21 contributions of today’s leading authors on intuitionism Rich introduction to those new to research in the field

Fields of interest
History of Science

Target groups
Researchers, teachers and students in the fields of philosophy, logic, mathematics, computer science, and history of science

Type of publication
Contributed volume

Due May 2008

2008. Approx. 300 p. (Science autour de / around 1900) Hardcover

99.00 €
ISBN 978-3-7643-8652-8

Footbridges

Bridges have become a focus of increased attention and awareness in the last ten years as highly visible elements that define the urban and nonurban landscape. Interest is particularly strong in pedestrian bridges, which are often experimental in terms of both construction and materials. Combined load-bearing systems, user-friendly design and pioneering material technology are indicative of recent developments. This book contains detailed presentations of some sixty-five bridges from ten European countries, with text, comprehensive and detail plans, and photographs taken especially for the volume. With projects by Buro Arp, Jürg Conzett, Foster and Partners, Buro Happold, Schlaich Bergmann and Partners, Wilkinson Eyre, Jiri Strasky and others. The examples are organized chronologically in thematically focused chapters: lightweight bridges, moving bridges, covered bridges, taut-ribbon suspension bridges, arch bridges, etc.

Features
Detailed explanations of materials and new construction techniques With sections, detail drawings, and photographs prepared specially for the book Contains an overview of two hundred bridges with brief descriptions and a register of people and places

Contents
Introduction (Characterization of the building type; Retrospection since 1750, etc.) Main part: 8 chapters in thematical-chronological order, all the important phases and tendencies in modern construction of bridges are discussed and presented through a) scientific engineering explanations of special bridge types; and b) around 65 examples, each presented on a double page (with text, photos and specially produced plans) Appendix: Overview over around 200 of the most important European bridges with short description. Bridges that are presented in the book: Weil am Rhein/Germany: \ldots

Fields of interest
Building Types and Functions; Architecture, general

Target groups
Architects, civil engineers, urban planners

Type of publication
Professional book

Due November 2007

2007. Approx. 256 p. 130 Illus., 180 in color. Hardcover

79.90 €
ISBN 978-3-7643-8139-4
Rejuvenating the Sun and Avoiding Other Global Catastrophes

This book investigates the idea that the distant future evolution of our Sun might be ‘controlled’ (literally, asteroengineered) so that it maintains its present-day energy output rather than becoming a highly luminous and blistered red giant star – a process that, if allowed to develop, will destroy all life on Earth. The text outlines how asteroengineering might work in principle and it describes what the future solar system could look like. It also addresses the idea of asteroengineering as a galaxy-wide imperative, explaining why the Earth has never been visited by extraterrestrial travellers in the past.

Features

Brings together, for the first time, the ideas related to the physical engineering of our Sun in order to promote the long-term survival of humanity and the Earth itself Starting with the ideas currently being promoted for planetary defence against impacting comets and asteroids this book considers the other, more distant astronomical phenomena (supernova explosions, close passing ‘rogue’ stars, and gamma-ray [...]"

Contents


Fields of interest

Popular Science in Astronomy; Astronomy, Astrophysics and Cosmology; Extraterrestrial Physics, Space Sciences; Nuclear Fusion

Target groups

Space Sciences; Nuclear Fusion and Cosmology; Extraterrestrial Physics, Popular Science in Astronomy; Astronomy, Astroider travel in the past.

Type of publication

Popular science

Due December 2007


24,95 €


Spaceplanes

From Airport to Spaceport

Spaceplanes into Orbit presents a vision of the near future in which space vehicles can take off from an international airport, refuel in space, and fly regularly between the Earth and the Moon. The book is built on the solid engineering foundation prepared by David Ashford in his book Spaceflight Revolution, but develops the argument. This is a coherent, lucid, and optimistic picture of the future – aimed directly at the reader as a future space passenger – which explains why the Space Tourist market could easily become the single most important factor in the midterm future development of space transportation. In a few years it will be possible to board a spaceplane and fly into Earth orbit, and perhaps visit a space station. Later development could include refueling in orbit to take a tour of a cislunar space. As the latest news has shown, the successful flight of SpaceShipOne and the imminent inauguration of Virgin Galactic’s sub-orbital rides from the New Mexico desert have already begun this [...]"

Features

Space Tourism is certainly part of the future of the tourist industry. Virgin Galactic has already booked thousands of rides in sub-orbital spaceplanes. See http://www.virgingalactic.com! Discusses engineering as well as commercial aspects of spaceplanes Provides a complete and non-mathematical overview that is fully accessible to lay readers When the first Virgin Galactic spaceplane takes off, this book will [...]"

Contents


Fields of interest

Space Exploration and Astronautics, Popular Science in Astronomy; Astronomy

Target groups

Space and Astronomy Enthusiasts followed by Engineering and space science enthusiasts

Type of publication

Popular science

Due May 2008


198,00 €

ISBN 978-3-7643-7367-2

Die Werke von Johann I und Nicolaus II Bernoulli ; Band 6

This volume on mechanics of rigid and elastic bodies contains early papers concerning geometric statics, accompanied by works dealing with the motion of compound pendula and the deformation of beams. The papers on mechanics in this volume do not encompass the area of hydraulics, which occupies approximately one half of the papers dealing with mechanical problems and which are included in volume 7. This collection constitutes, roughly, one eighth of the entire work written by Bernoulli.

Features

First derivation of the theory of the physical pendulum Famous theorem aureum

Contents

Differential statics.- Dynamics.- Various mechanical and dynamical propositions.- Problems concerning rigid triangular wedges.- Criticism of de la Hire’s analysis.- Central forces.- The living forces.- Bernoulli’s notion of living forces and applications.- Manuscripts on mechanics.- Elasticity.- Problems concerning strings.- Vibrating strings.- Further solutions to the equations of the catenary.- A solution for the Elastica.- Multiple pendula.- Manuscripts on elasticity.

Fields of interest

History of Science

Target groups

Historians

Type of publication

Collected works

Due October 2007

2007. Approx. 400 p. Hardcover

198,00 €

ISBN 978-3-7643-7367-2
Physicists on Wall Street
Reflections in Science, History, and Finance

In this diverse collection of essays, renowned author Jeremy Bernstein assembles stories from various disciplines to create an engaging text. The title essay, Heisenberg in Poland, brings details of Werner Heisenberg’s visit to wartime Poland in the midst of the Holocaust. Almost nothing has previously been written about this visit, about which Heisenberg seems to have been embarrassed. Bernstein employs his unique perspective to reveal and explain the general reader striking assertions that are not widely known. For example, he describes how the skills of code breakers led to deciphering a language found on Crete—Linear B. Surprisingly, this language turned out to be a form of Ancient Greek that preceded Homer. Bernstein also describes the South African nuclear weapons program, which resulted in the construction of six Hiroshima-like bombs. He explains how and why the South Africans...[

Features
Presents new information on the great physicist Werner Heisenberg’s life and travels; gives a truly accessible explanation of his work; reveals previously unpublished information on the South African nuclear weapons program

Contents

Fields of interest
History of Science; Popular Science, general; Economics general; Economic Theory

Target groups
General science readers interested in physics and astronomy.

Type of publication
Popular science

Due May 2008

Practical Guide to Astrophotography

Practical Guide to Astrophotography is a complete guide to amateur astrophotography, from planning and purchasing equipment through to making high-quality images. This book contains information that would otherwise take a long time and a lot of patience to learn. It covers the commercial “hot products”, comparing their features and ensuring that the reader chooses the best equipment – within his budget – for his chosen area. It covers the most common telescopes, software and cameras used for astrophotography by amateur astronomers, and describes step-by-step how to get from ‘dreaming about it’ through buying the materials and building the system, to obtaining the best possible images. The combination of the product mix and practical processes covers a very large amateur astronomer user-base. This is not only a guide to setting up, it’s also a book that readers will frequently take with them in the field to help them on their journey to make images of the stars. It’s targeted at providing practical...

Features
Covers all aspects of digital astrophotography, from deciding on equipment to using it in the field; Talks about the newest and best amateur astrophotography products in the industry; It is a practical field guide as well as a reference book

Contents

Fields of interest
Astronomy; Popular Science in Astronomy

Target groups
Amateur Astronomers

Type of publication
Popular science

Due March 2008


23,10 €

Andreas Treusch Architecture

Andreas Treusch and Nadja Seiler run the young Viennese architecture office, Treusch Architecture. Their work mainly focuses on educational and commercial projects that are largely defined by technical specifications and requirements. Treusch and Seiler develop a cutting-edge aesthetic for their buildings. Their office has shown a particular talent for large formats in their last completed projects. The designs are a baffling symbiosis of form and content along with matter-of-fact coolness that is the result of the technology the structures require. These aren’t effects Treusch needs to stage; instead he celebrates the aesthetics of precision, nothing remains unclear in his designs. The volume features all the buildings the architects have completed, including Austria’s largest warehouse (client: ÖBB, Linz), school buildings and the Air Cargo Centre at the Vienna Airport, and others. An essay by Matthias Boeckl positions the work of Treusch Architecture within the context of the current...[

Features
Erste Monographie des jungen Wiener Architekturbüros Hi-Tech-Baupläne in hoher Qualität; Innovative Entwürfe für Gewerbe- und Bü-dungsbauten

Contents
Realisierungen (Auswahl): 2Rad Börse / Bikeshop, Fachhochschule Wels / Wels College of Engineering, Sanierung und Umbau einer Volksschule in Wien / Renovation and Conversion of a Primary School in Vienna, Logistikcenter der Österreichischen Bundesbahnen in Linz / Logistics Centre of the OBB (Austrian Federal Railways) in Linz, Air Cargo Centre (Vienna International Airport)

Fields of interest
Architecture, general

Target groups
Architekten, Studenten

Type of publication
Monograph

Due February 2008

2008. Etwa 140 S. 200 Abb. in Farbe. Hardcover

37,34 €
ISBN 978-3-211-48961-1
Planetary Nebulae
An In-Depth Guide to their Physics and Observation

Planetary nebulae have been favorite targets of amateur astronomers for a long time. This is at least in part because of their high surface brightness and ability to show visible color. The popularity of observing planetary nebulae is due to the fact that there are targets amongst this set of objects for observers with small telescopes to those with large telescopes. The use of the nebula filter also means that, unlike galaxies, they can be observed from light polluted environments. Apart from the classic Messier four – M27, 57, 76 and 97 – there are a many bright NGC planetary nebulae, and even some IC ones that show both colour and structure in average size amateur telescopes. They are popular targets with CCD images because their size allows them to fit on the high resolution CCD images now being generated. Although the theory sections of this book are intended mainly for experienced amateur astronomers, Planetary Nebulae: their Physics and Observation will also appeal to relative newcomers who [...] Features
Observing and imaging planetary nebulae is a very popular subject for serious amateur astronomers, and this book provides a comprehensive guide for them. Deep-sky observing is popular for casual or recreational observers, and some planetary nebulae are among their most popular targets This is the only book that provides an in-depth coverage of planetary nebulae. It is an ideal companion to Nebulae and How to [...] Contents
- An introduction to the history of the discovery of planetary nebulae from Messier through Herschel and on through Abell and others to the current H-Alpha surveys (MASH). - What we think planetary nebulae are and where they come from in the stellar evolutionary sequence. - Tools of the Trade. - Current challenges in planetary nebulae observing. - A catalogue of observations and drawings/images of planetary nebulae taken by amateurs. - A catalogue of planetary nebulae. Fields of interest
Popular Science in Astronomy; Astronomy Target groups
Amateur and Practical astronomers Type of publication
Popular science

Ice, Rock, and Beauty
A Visual Tour of the New Solar System

Although most people have some knowledge of the essential structure of the Solar System, few are familiar with the large and varied array of objects that travel with and between the planets in their journeys around the Sun. Imaging techniques from Earth continue to improve, while missions such as Voyager, Galileo and the Hubble Space Telescope have yielded many excellent images. Most significantly of all, several missions in recent years have shown a huge diversity of objects in close-up for the first time. The book will take advantage of the rich pool of images that is available, to tell a story of the Solar System that has not been told before. Smaller Bodies will be a collection of approximately 72 stunning images, all from the public domain but not hitherto gathered into a coherent collection, with supporting text and graphics. Each main image will be accompanied by a graphic showing the location in the Solar System of the featured object. All of these graphics will be based in a simple [...] Features
Observing and imaging planetary nebulae is a very popular subject for serious amateur astronomers, and this book provides a comprehensive guide for them. Deep-sky observing is popular for casual or recreational observers, and some planetary nebulae are among their most popular targets This is the only book that provides an in-depth coverage of planetary nebulae. It is an ideal companion to Nebulae and How to [...] Contents
Table of Contents.- Main Text.- The Objects.- The Image. Fields of interest
Astronomy; Popular Science in Astronomy; Planetology: Astronomy, Astrophysics and Cosmology Target groups
Popular Astronomy enthusiasts, Solar System science enthusiasts Type of publication
Popular science

Due December 2007

The Far Side of the Moon
A Photographic Guide

The far side of the Moon, also called the ‘dark side of the Moon’ was unknown to humanity until the Luna and Lunar Orbiter pictures were returned to Earth. Even since then, its nature has puzzled researchers. Now we know that a giant impact struck the near side with such force that it created the ‘near side megabasin’, opening the way for floods of mare and sending vast amounts of ejecta to the far side. The Far Side of the Moon explains this event and also documents the appearance of the features of the far side with beautiful pictures from Lunar Orbiter. As in the previous volume, The Lunar Orbiter Photographic Atlas of the Near Side of the Moon, the author has taken the original images and cleaned them of system artefacts using modern digital image processing. The best photographic coverage of the far side of the Moon has been the 150 photos taken by the Lunar Orbiter series. The other sources are pictures taken by the Apollo Command Module, which were limited to the equatorial [...] Features
Contains beautiful photographs and newly-assembled mosaic images of the far side of the Moon, cleaned of transmission, imaging stripes and processing artifacts by today’s computer technology. The first book to explain why the far side of the Moon looks so different from the near side. Describes the newly discovered ‘near side megabasin’ and its effect on the far side’s topography. A CD-R is provided so that [...] Fields of interest
Astronomy; Popular Science in Astronomy; Space Exploration and Astronautics Target groups
amateur and practical astronomers, astronomy enthusiasts Type of publication
Popular science

Due January 2008

32,95 €
The Genesis of Fluid Mechanics, 1640-1780

Fluid Mechanics, as a scientific discipline in a modern sense, was established between the last third of the 17th century and the first half of the 18th one. This book analyses its genesis, following its evolution along two basic lines of research, which have been named the “problem of resistance” and the “problem of discharge”. This approach highlights the existence of a remarkable experimental aspect in the aforementioned research lines, together with their link with problems of a practical nature, such as ballistics, hydraulics, fluid-using machines or naval theory. On the other hand, although previous studies usually present fluid mechanics from the point of view of mathematics, this is complemented here by an engineering viewpoint; gathering attempts made in the beginnings of fluid mechanics to see if the theory was capable of productive application in practical terms. This is nothing unusual in a time where the quality of knowledge and skill is measured largely by its usefulness. (c) [...] [8]

Features
The genesis of Fluid Mechanics from two lines: resistance and discharge. The grand theorization process of the applications to the development of the discipline.

Contents

Fields of interest
History of Science; History of Mathematics

Lacroix and the Calculus

Silvestre François Lacroix (Paris, 1765 - ibid., 1843) was not a prominent mathematical researcher, but he was certainly a most influential mathematical book author. His most famous work is the three-volume Traité du calcul différentiel et du calcul intégral (1797-1800; 2nd ed. 1810-1819) – an encyclopedic appraisal of 18th-century calculus which remained the standard reference on the subject through much of the 19th century. The Calculus According to S.F. Lacroix (1765-1843) is a study of Lacroix’s large Traité, making use of its unique bibliography to explore late 18th-century calculus, and how it is reflected in Lacroix’s account. Its adaptation into the shorter, textbook version Traité élémentaire de calcul... (1802; several later editions) is also addressed.

Features
First global and detailed study of Lacroix’s Traité du calcul. Comparison with major reference works with its background and sources. Includes transcriptions of Lacroix’s research manuscripts, and of documents related to the teaching of analysis at the École Polytechnique.

Fields of interest
History of Science; History of Mathematics

Paleoradiology

Paleoradiology is the use of X-rays and advanced medical imaging modalities in the evaluation of ancient human and animal skeletons as well as biological materials from archaeological sites. Paleoradiological studies have been performed on mummies, skeletal remains and fossils to determine their sex and age at death. “Diagnostic paleoradiology” is the use of X-ray studies to detect ancient diseases. The broad range of themes and imaging techniques in this volume reflects four decades of research undertaken by Don Brothwell in the fields of anthropology, human paleopathology, and zooarchaeology, combined with two decades of skeletal radiology experience during which Rethy Chhem read over 150,000 skeletal X-ray and CT studies.

Features
Growing use of imaging technique in Archeology. Overview of four decades of research in Paleoradiology. Presentation of the challenge of paleoradiology as a non-destructive method to unveil the mystery of human past. The Authors are leading experts in the fields of Radiology and Bioanthropology.

Contents
History of paleoradiology - Introduction to paleobiological materials. - Paleoradiology and skeletal and dental Analysis. - Paleoradiology, taphonomic process and human variation. - Paleoradiology and human paleopathology. - Paleoradiology and animal paleopathology.

Fields of interest
Diagnostic Radiology; History of Science; Pathology

Target groups
Radiologists, paleoentologists, Egyptologists, historians.

Type of publication
Professional book

Due November 2007

129,95 €
ISBN 978-3-540-48832-3

Imaging Mummies and Fossils

Paleoradiology

Paleoradiology is the use of X-rays and advanced medical imaging modalities in the evaluation of ancient human and animal skeletons as well as biological materials from archaeological sites. Paleoradiological studies have been performed on mummies, skeletal remains and fossils to determine their sex and age at death. “Diagnostic paleoradiology” is the use of X-ray studies to detect ancient diseases. The broad range of themes and imaging techniques in this volume reflects four decades of research undertaken by Don Brothwell in the fields of anthropology, human paleopathology, and zooarchaeology, combined with two decades of skeletal radiology experience during which Rethy Chhem read over 150,000 skeletal X-ray and CT studies.

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Type of publication
Professional book

Due November 2007

129,95 €
ISBN 978-3-540-48832-3
C. Clini, Italian Ministry for the Environment, Land and Sea, Rome, Italy; I. Musu, Venice International University, Italy; M.L. Gullino, Agroinnova - University of Turin, Italy (Eds.)

Sustainable Development and Environmental Management
Experiences and Case Studies

This book presents the new EU approach to environmental management and its attempt to place it in the perspective of sustainable development. China and other large and fast growing economies are putting increasing pressures on global environment, but they are also looking at the European experience with great interest. To critically present this experience can help those countries avoid the mistakes made by developed countries in dealing with the relation between economic growth and environmental protection, and to improve the institutions and tools for better environmental governance. The variety of issues covered and the wide approach used in this book make it a useful tool for readers who want to place themselves in this perspective, although starting from different backgrounds and levels of knowledge on environmental and sustainability sciences.

Fields of interest
Urbanism; Environmental Management; Economic Growth; Economic Policy; R & D/Technology Policy; Environmental Economics

Type of publication
Contributed volume

Due October 2007

2007. Hardcover
120.00 €

P. Davey
Engineering for a Finite Planet
Sustainable Solutions by Buro Happold

Our planet’s resources are finite, and the engineer’s work must take this fact into account. Sustainable elements should be foremost at every stage of a building's design, including the façade, building technology, lighting, rainwater use, as well as heating and ventilation strategies. The international, multi-disciplinary engineering firm Buro Happold has been active in sustainable and environmental engineering design for thirty years and has earned a reputation for expertise and excellence in this field. This book introduces the work of the firm, presenting selected projects with a wide range of constructional detail. Included are the roof of the Queen Elizabeth II courtyard of the British Museum (with Foster and Partners), the Millennium Dome in London (with Richard Rogers), and the Wessex Water Headquarters in Bath. The firm focuses on realizing ideas in an ecologically sensible way and developing solutions from a long-term perspective.

Features
Guide to ecological planning Engineering firm with many celebrated collaborators Documents a wealth of constructional details

Fields of interest
Basics of Construction

Target groups
Engineers, architects, clients

Type of publication
Professional book

Due December 2007

2007. Approx. 160 p. 315 illus., 100 in color Hardcover
59.90 €
ISBN 978-3-7643-7220-0

P. Davey, K.W. Forster, Yale School of Architecture, CT, USA
Exploring Boundaries.
The Architecture of Wilkinson Eyre

The London architectural firm Wilkinson Eyre Architects, founded in 1983, has been drawing attention since the 1990s with its wealth of innovative and imaginative designs – notably its spectacular and structurally ambitious bridges. The best-known and most highly acclaimed are the Gateshead Millennium Bridge (2001) and the Floral Street Bridge (2003). The firm has won many prizes, including the RIBA Stirling Prize twice. It has also demonstrated the increasingly international scope of its activities by entering the competitions for the Guangzhou West Tower in China and the Tensegrity Bridge in Washington DC, USA. This book offers detailed documentation of some 15 structures and projects, with special attention paid to the context of each design. The projects presented include the Stirling Prize-winning Magna Centre in Rotherham, UK; the National Waterfront Museum in Swansea, UK; the Guangzhou West Tower in China; and the Gatwick Airbridge, UK, among others.

Features
Detailed documentation of more than twenty structures and projects Wilkinson Eyre Architects convince with an unusual aesthetic Internationally celebrated authors

Fields of interest
Architects

Target groups
Architects, engineers, urbanists, students, libraries

Type of publication
Monograph

Due October 2007

2007. 176 p. 248 illus., 45 in color Hardcover
49.90 €
ISBN 978-3-7643-7531-7
<table>
<thead>
<tr>
<th>ISBN</th>
<th>Title</th>
<th>Pages</th>
<th>Format</th>
<th>Type of Publication</th>
<th>Target Groups</th>
<th>Features</th>
<th>Contents</th>
<th>Due Date</th>
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</thead>
</table>
| 978-3-211-75787-1 | Art, Fashion and Work for Hire             | 120     | Softcover| Popular science             | Design, Artists, Architects, Art Historians, Interested Laymen | Thomas Demand is known for his large-format photographic work. As the head designer of Dior Homme, Hedi Slimane revolutionized men's fashion. He is also known for his work as an artist. Peter Saville wrote design history with his album covers for British bands such as Joy Division, New Order and Pulp, and with his work for fashion designers. Demand, Slimane, and Saville have all gone beyond the limitations of a single type of media to realize their ideas and visions. They discuss their work and motivation in a conversation in Berlin with the curators Hans Ulrich Obrist and Cristina Bechtler, and also share their views on new forms of creativity, cross-border endeavors, fashion, architecture, photography, political art and many more subjects.  
Features  
New volume in the successful 'Art and Architecture in Discussion' Series  
Photography, fashion and graphic design as artistic motives  
A discourse on the crossroads between production and art  
Contents  
Einleitung  
Christina Bechtler  
Thomas Demand, Peter Saville, Hedi Slimane, Hans Ulrich Obrist and Cristina Bechtler in Conversation.  
Fields of interest  
Design, general (Design, allgemein); Architecture, general  
Target groups  
Designer, Artists, Architects, Art Historians, interested Laymen  
Type of publication  
Popular science  
Due March 2008 | | |
| 978-0-387-32833-1 | The Concise Encyclopedia of Statistics     | 640     | Hardcover | Academic and corporate libraries. | Students  
Type of publication  
Encyclopedia  

The Concise Encyclopedia of Statistics presents the essential information about statistical tests, concepts, and analytical methods in language that is accessible to practitioners and students of the vast community using statistics in medicine, engineering, physical science, life science, social science, and business/economics. The reference is alphabetically arranged to provide quick access to the fundamental tools of statistical methodology and biographies of famous statisticians. The more than 500 entries include definitions, history, mathematical details, limitations, examples, references, and further readings. All entries include cross-references as well as the key citations.  
The back matter includes a timeline of statistical inventions. This reference will be an enduring resource for locating convenient overviews about this essential field of study.  
Features  
Presents the essential information about statistical tests, concepts, and analytical methods Written in language accessible to practitioners and students  
More than 500 entries include definitions, history, mathematical details, limitations, examples, references, and further readings  
Will provide an enduring resource for locating convenient overviews about this essential field of study  
Contents  
Fields of interest  
Statistics, general; Science, general  
Target groups  
Students  
Type of publication  
Encyclopedia  

Due January 2008 | |  |  |
Type of publication  
Encyclopedia  

The Concise Encyclopedia of Statistics presents the essential information about statistical tests, concepts, and analytical methods in language that is accessible to practitioners and students of the vast community using statistics in medicine, engineering, physical science, life science, social science, and business/economics. The reference is alphabetically arranged to provide quick access to the fundamental tools of statistical methodology and biographies of famous statisticians. The more than 500 entries include definitions, history, mathematical details, limitations, examples, references, and further readings. All entries include cross-references as well as the key citations.  
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Features  
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Contents  
Fields of interest  
Statistics, general; Science, general  
Target groups  
Academic and corporate libraries.  
Type of publication  
Encyclopedia  

Due December 2007 |  |  |  |
ABD: Within the Range of Architecture 3


Features
One of the most successful architecture offices in Moscow New volume in the ABD series (in a slipcase) New, completed architecture and interior design projects

Fields of interest
Architects

Target groups
Architects, students

Type of publication
Monograph

Due March 2008

Argumentation in Science Education
Perspectives from Classroom-Based Research

This book brings together the work of leading experts in argumentation in science education. It presents research combining theoretical and empirical perspectives relevant for secondary science classrooms. Since the 1990s, argumentation studies have increased at a rapid pace, from stray papers to a wealth of research exploring ever more sophisticated issues. This volume constitutes a unique collection and covers fundamental issues in argumentation such as cognitive, methodological and epistemological aspects; classroom-based research in teaching and learning of argumentation in science classrooms; and argumentation in context such as in socio-scientific and moral contexts. The book’s underlying premise is that argumentation is a significant aspect of scientific inquiry and plays an important role in teaching and learning of science. Argumentation also contributes to the agenda of informed citizenship where students are encouraged and supported in evidence-based reasoning in their everyday [...]

Features
The first book on argumentation in science education Interest of researchers in argumentation is increasing, as evidenced by number of papers in journals and conferences, and by doctoral dissertations on the subject Brings together leading international experts in the field of argumentation in science education from around the world Includes both theoretical and empirical perspectives Covers a range of aspects [...]

Contents

Fields of interest
Science Education; Science, general

Target groups
Educational scholars in particular science education scholars; graduate students; educational researchers

Type of publication
Contributed volume

Due November 2007

Encyclopedic Dictionary of Landscape and Urban Planning
Multilingual Reference in English, Spanish, French and German

This unique ‘quinqualingual’ dictionary covers terms which concern the planning, design and protection of the environment. The languages are American and British English, German, French, and Spanish, together with many Latin-American equivalents. It is intended for the use of landscape architects, urban planners, nature conservationists and environmentalists, as well as planning practices, research and educational institutes and now contains a total of approximately 12,000 terms - a 20% increase over the German-leading-language original. The terms have not simply been translated, but, as often as possible and useful, various interpretations at the planning, legal or technical level are also included in the definitions, with cross references to generic and specific terms, thus adding to the precise meaning and allowing clarification of the scope of each term. In &nbsp;cases where &nbsp;particular terms &nbsp;are not used, or as yet unknown, in one or another of the languages, helpful suggestions [...]

Features
First dictionary for landscape architecture and planning, landscape design and conservation Detailed explanations in English, Spanish, French and [...]

Contents
Foreword/Introduction in all four languages. - List of Abbreviations. - Main Part of Dictionary in English, Spanish, French and German Text. - References.

Fields of interest
Landscape/Regional and Municipal Planning; Landscape Architecture; Nature Conservation; Civil Engineering

Target groups
Internationally recognised and active landscape and urban planners, geographers, geo-ecologists, surveyors, ecologists - as well as technical translators and libraries with collections in the above disciplines

Type of publication
Encyclopaedia

Due March 2009
<table>
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<tr>
<th><strong>Title</strong></th>
<th><strong>Author</strong></th>
<th><strong>Fields of interest</strong></th>
<th><strong>Type of publication</strong></th>
<th><strong>Due Date</strong></th>
<th><strong>Price</strong></th>
<th><strong>ISBN</strong></th>
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<tr>
<td><strong>Encyclopedic Dictionary of Landscape and Urban Planning</strong></td>
<td>K.-J. Evert, Stuttgart (Ed.)</td>
<td>Landscape/Regional and Municipal Planning; Landscape Architecture; Nature Conservation; Civil Engineering</td>
<td>Encyclopedia</td>
<td>Due February 2009</td>
<td>249.00 €</td>
<td>978-3-540-76455-7</td>
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<tr>
<td><strong>Guide to Observing Deep-Sky Objects</strong></td>
<td>J. Farinacci, California, USA</td>
<td>Astronomy; Popular Science in Astronomy</td>
<td>Popular science</td>
<td>Due December 2007</td>
<td>24.95 €</td>
<td>978-0-387-72850-6</td>
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D. Faustino

The Human Body


Features
• erste Monographie über Didier Faustino • experimentelle Architektur und Werkstoffanwendungen

Fields of interest
Architects

Target groups
Architekten Studenten Kunstinteressierte

Type of publication
Monograph

Due October 2008

2008. Etwa 96 S. 120 Abb. in Farbe. (Consequence Book Series on Fresh Architecture, Vol. 1) Softcover
17,76 €
ISBN 978-3-211-25234-5

K. Frampton, University of Columbia, NY, USA

The Evolution of 20th Century Architecture: A Synoptic Account

This is the genealogy of architecture in the 20th century by Kenneth Frampton - the doyen of architecture history. His approach is impressively clear: he traces four lines that are recognizable as the powers that propel renewal in architecture. He structures his observations by focusing on the relevant periods in the following order: 1st, the Avant-Garde (1887–1986); 2nd, organic architecture (1910–1998); 3rd modern and national styles (1935–1998), and 4th, industrialization and prefabrication (1927–1990). His overview is not a lexical collection of chronological sequences. Instead, his insights stem from his confident eye for the history, theory and motives behind architecture. He also follows the steps of the great architects of the 20th century.

Features
New approach to the history of architecture by Kenneth Frampton Architects, styles and theories in a uniquely compact overview Easily understandable explanations, richly illustrated

Contents

Fields of interest
Architectural History and Theory

Target groups
Art historians, architects, students, interested laymen

Type of publication
Popular science

Due October 2007

2008. 159 p., 169 fgs. Softcover
29,95 €
ISBN 978-3-211-31195-0

C.C. Gaither, Killeen, TX, USA; A.E. Cavazos-Gaither, Killeen, TX, USA

Gaither's Dictionary of Scientific Quotations

Scientists and other keen observers of the natural world sometimes make or write a statement pertaining to scientific activity that is destined to live on beyond the brief period of time for which it was intended. This book serves as a collection of these statements from great philosophers and thought-influencers of science, past and present. Gaither's Dictionary of Scientific Quotations allows the reader quickly to find relevant quotations or citations to spearhead an oral or written presentation of their research. Organized thematically and indexed alphabetically by author, this work makes readily available an unprecedented collection of approximately 21,000 quotations related to a broad range of scientific topics including astronomy, biology, chemistry, engineering, and physics. With its unique thematic organization of the quotations, this book accomplishes its goal of presenting a large array of entries in each discipline and enabling the reader to choose a quotation on a particular subject [...]

Features
Presents approximately 21,000 quotations about science, mathematics and medicine from great philosophers and scientists, past and present Organized the way you would look up a quotation - by subject area rather than by author Allows a reader to effortlessly find a pertinent quotation from a variety of sources and perspectives Includes an author index to quickly find other quotations from a particular [...]

Fields of interest
Popular Science, general; History of Science; Physics, general; Chemistry/Food Science, general; Biomedicine general; Engineering, general

Target groups
University, corporate, and public libraries

Type of publication
Reference work

Due December 2007

2007. DVD-ROM.
19,95 €
<table>
<thead>
<tr>
<th>Gaither’s Dictionary of Scientific Quotations</th>
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<tr>
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<td>Presents approximately 18,000 quotations about science, mathematics and medicine from great philosophers and scientists, past and present. Organized the way you would look up a quotation - by subject area rather than by author. Allows a reader to effortlessly find a pertinent quotation from a variety of sources and perspectives. Includes an author index to quickly find other quotations from a particular subject [...]</td>
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<td><strong>Due December 2007</strong></td>
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<tr>
<th>Eisenman Architects</th>
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<td>In an unexpected and controversial act of daring, the Arizona Cardinals football team selected award-winning architect and intellectual provocateur Peter Eisenman to design their stadium in Glendale, Arizona. Opened in the summer of 2006, Eisenman’s latest work rejects all traditional and staid notions of the sports stadium. Inspired by and laid out like a barrel cactus, its shell is composed of huge steel paraboloid sections. Eisenman Architects, the eighth volume in the Source Books in Architecture series, provides a comprehensive look at a contemporary masterpiece and a landmark of excellence in civic and sports architecture.</td>
</tr>
<tr>
<td><strong>Features</strong></td>
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<tr>
<td>• The stadium opened at the end of the summer 2006 to much critical acclaim • Includes detailed plans, elevations, and photographs provide great resource for architects and students • Book features a unique design by Eisenman Architects</td>
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<td><strong>Fields of interest</strong></td>
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<tr>
<td>Architects</td>
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<td><strong>Type of publication</strong></td>
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<tr>
<td>Professional book</td>
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<tr>
<td><strong>Due October 2007</strong></td>
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<tr>
<td><strong>23,90 €</strong></td>
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<td>ISBN 978-1-56898-720-0</td>
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<tr>
<th>Asteroids and How to Observe Them</th>
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<td>Asteroids, particularly those that might present a hazard to life on Earth by impacting our planet, are important. In this age of giant telescopes (Keck and Hubble) and space probes (NEAR) the minor planets have advanced from being tiny points of light to front-page news when they approach Earth. This book looks at the asteroids (minor planets) themselves, their origins, orbits and composition, and at how amateur astronomers can play a part in their detection, tracking and imaging. It begins with a short review of the asteroids themselves, such as the &quot;big four&quot; and a few other highlights – objects such as close-approach objects, and some distant and historical types. The book then reviews the beginnings of serious observations by amateurs, and the start of the ALPO’s Minor Planet Section and Minor Planet Bulletin (MPB). The second part of the book is designed to help the reader become part of the community of serious minor planet observers. This does not mean setting goals of getting every [...]</td>
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<tr>
<td><strong>Features</strong></td>
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<tr>
<td>Asteroids are news! Describes the nature of minor planets, their origins, orbits and composition. This observing handbook contains all that is needed to develop the basics for the discovery of asteroids – and for making important sightings with backyard telescopes. Introduces readers to astronomy’s current &quot;asteroid community&quot;, and the projects currently underway by today’s advanced observers Easy-to-read, clear [...]</td>
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<tr>
<td><strong>Contents</strong></td>
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<tr>
<td>Introduction. • Part 1 Discovery of asteroids. • The Big Four asteroids. • Asteroids beyond the Main Belt [with descriptions, sizes etc.]. • Near-Earth Asteroids [discovery and description of the Atens, Apollos, and Amors]. • Composition and nature of the asteroids. • Discovery of binary asteroids and asteroid satellites. • Part 2 Getting started with asteroids and computers [making star charts, object selection, software]. • Visual observing and spotting your first asteroid [what observers can expect to see in small to medium size telescopes]. • Learning to observe occultations of stars by [...]</td>
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<tr>
<td><strong>Fields of interest</strong></td>
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<tr>
<td>Popular Science in Astronomy; Astronomy</td>
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<tr>
<td><strong>Target groups</strong></td>
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<tr>
<td>Practicals &amp;; Amateur Astronomers</td>
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<td><strong>Type of publication</strong></td>
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<tr>
<td>Popular science</td>
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<tr>
<td><strong>Due August 2008</strong></td>
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<tr>
<td><strong>26,95 €</strong></td>
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West 8
Mosaics

Rotterdam’s West 8 is not only one of the largest, but also one of the best-known and most active design firms working in Europe today in the field of urban design and landscape architecture. The phrase suggests the firm’s strongly interdisciplinary orientation between landscape architecture and town planning. Its projects are provocative, avant-garde in the typically Dutch manner, and not afraid of contact with popular culture. They were created in close collaboration with such architects as Richard Rogers, Steven Holl, Dominique Perrault, Rem Koolhaas, Renzo Piano, and many others. The founder and director of the firm and its most highly visible figure is Adriaan Geuze, who is the author of this book. Classics such as the Swiss Expo.02 park in Yverdon-les-Bains and Chiswick Park in London stand alongside current projects including Moscow Luxury Village, One North Park in Singapore, the Jubilee Gardens in London and Madrid Rio, the spectacular design for the city center of the Spanish [...] 

Features
Unrivalled book on leading designers in the fields of town planning and landscape architecture Sensational current projects in many countries as a source of inspiration Internationally famous editor in the fields of architecture and art history

Fields of interest
Landscape Architecture

Target groups
Landscape Architects Urban Planners Architects

Type of publication
Professional book

Due November 2007

The Construction Site and the Metamorphosis of the Cities

Life is a building site: not just since the German film of that name was released, the building site has been a popular metaphor for the patchwork plans of contemporary life. The phenomenon of the building site runs through our everyday lives, but it largely remains behind construction site fences. This volume looks behind the barriers and focuses on the building site as such for the first time. With authoritative information and reflection from a variety of perspectives, some quite surprising, the building site is presented as an extraordinary place in the city and as a microcosm that operates under heavy pressures of time and costs. With essays on specific building sites such as the megaproject Sihlcity in Zurich or the La Défense building site in Paris, interviews with architects and construction managers, and impressive illustrations, the book leaps into a gap in the urban landscape. The publication is rounded out by artistic, photographic interventions like those of Miklos Gaál, who is known [...] 

Features
The building site is brought out of the shadows of the completed and oft-celebrated buildings A surprising look at a little noticed but indispensable aspect of the city The metamorphosis of the building site from a blot on the landscape to an impressive microcosm: An interdisciplinary and authoritative look at the events of a building site

Fields of interest
Urbanism; Cities, Countries, Regions

Target groups
Architects, students of architecture, investors

Type of publication
Professional book

Due December 2007

1:1 Digital Materiality in Architecture

Robots build! At their Program in Architecture and Digital Production at the Eidgenössische Technische Hochschule (ETH) Zürich (Swiss Federal Institute of Technology in Zurich), the architects Gramazio & Kohler have installed a research facility that is unique in the world. It is based on a computer-controlled industrial robot that produces construction elements directly from design data. The robot works flexibly with a tremendous range of tools and materials. In this way Gramazio & Kohler probe the exciting potential of digital design, construction, and manufacturing techniques for architecture. Gramazio & Kohler attracted widespread attention with the sWISH Pavilion at the Swiss NationalExposition Expo 02 and the new Christmas lighting display on Zurich’s Bahnhofstrasse. In their projects they incorporate insights and discoveries from the field of computer-aided production into the architectural design process, using computers to develop innovative construction techniques and [...] 

Features
First publication on an exciting new construction method in architecture Comprehensive presentation of a revolutionary technique of digital building Robot-controlled building, explained in text and images

Fields of interest
Basics of Construction; Architects; Industrial Design (Industriedesign)

Target groups
Architects

Type of publication
Professional book

Due November 2007
Europa

R. Greenberg, Tucson, AZ, USA

Alien Biosphere on an Ocean Moon

The story of Europa has broad appeal, not only because of its implications for extraterrestrial life, but also because the fabulous images obtained by Galileo spacecraft show spectacular crack patterns, extensive rifts and ridges, and refrozen pools of exposed water filled with rafts of displaced ice. The most of the story of Europa is about the rough and tumble of the very human enterprise of science, as well as the popular new world that has been discovered. With its great scientific core (an oceanic moon, extraterrestrial life), its amazing images, and with its inside story of the rough and tumble of a very human enterprise in science, leading to the discovery of a fantastic new world that might well harbor life. Europa - Alien Biosphere on an Ocean Moon will attract a broad readership.

Contents

Fields of interest
Popular Science in Astronomy; Astrobiology; Planetology; Extraterrestrial Physics, Space Sciences

Target groups
General public science and science-fiction readers, biological scientists, senior undergraduates and post graduate researchers, amateur astronomers

Type of publication
Popular science

Due May 2008

22.95 €

Venus and Mercury, and How to Observe Them

P. Grego, UK

Venus and Mercury have always been regarded as difficult targets for amateurs, but advances in commercially-made instruments have brought them within range of only moderately experienced observers. The concept of this book is to present an up-to-date detailed description of the history and geology of the inferior planets, and also to provide the best information about observing and recording them with commercially-available telescopes and cameras.

Contents

Fields of interest
Popular Science in Astronomy; Astronomy; Planetology

Target groups
Amateur and practical astronomers

Type of publication
Popular science

Due January 2008

2008. Approx. 185 p. (Astronomers’ Observing Guides) Softcover
26.95 €
ISBN 978-0-387-74285-4

Exploring the Moon

D. Harland, Glasgow, UK

The Apollo Expedition

David Harland opens with a review of the robotic probes, namely the Ranger which returned television before crashing into the Moon, the Surveyors which ‘soft landed’ in order to investigate the nature of the surface, and the Lunar Orbiters which mapped prospective Apollo landing sites. He then outlines the historic landing by Apollo 11 in terms of what was discovered, and how over the next several missions the program was progressively geared up to enable the final three missions each to spend three days on comprehensive geological investigations. He concludes with a review of the robotic spacecraft that made remote-sensing observations of the Moon. Although aimed at the enthusiast, and can be read as an adventure in exploration, the book develops the scientific theme of lunar geology, and therefore will be of use as background reading for undergraduate students of planetary sciences. In addition, with the prospect of a resumption of human missions, it will help journalists understand what Apollo […]

Contents

Fields of interest
Popular Science in Astronomy; Space Exploration and Astronautics; Extraterrestrial Physics, Space Sciences; Astronomy; Planetology; History of Science

Target groups
Science and space enthusiasts

Type of publication
Popular science

Due January 2008

2008. Approx. 500 p. (Space Exploration) Softcover
32.95 €

Observe Them

P. Grego, UK

Venus and Mercury, and How to Observe Them

P. Grego, UK

Venus and Mercury have always been regarded as difficult targets for amateurs, but advances in commercially-made instruments have brought them within range of only moderately experienced observers. The concept of this book is to present an up-to-date detailed description of the history and geology of the inferior planets, and also to provide the best information about observing and recording them with commercially-available telescopes and cameras.

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Fields of interest
Popular Science in Astronomy; Space Exploration and Astronautics; Extraterrestrial Physics, Space Sciences; Astronomy; Planetology; History of Science

Target groups
Science and space enthusiasts

Type of publication
Popular science

Due January 2008

2008. Approx. 500 p. (Space Exploration) Softcover
32.95 €
Climate Skin
Concepts for Building Skins that Can Do More with Less Energy

The facade plays a critical role in the conception of energy- and climate-optimized buildings: it is the building’s skin and functions as an interface between interior and exterior space. It provides thermal and sound insulation and ventilation, and controls and guides the entrance of daylight into the building. Climate Skin offers concrete planning advice for architects and engineers who wish to exploit not only the architectural potential of facades but also their energy and climate-control possibilities, treating the building envelope as an essential component within a complete climate-control and technology solution. It provides a solid foundation of knowledge that equips the reader to make competent technical and economic evaluations of building envelopes. For everyone concerned with facades, Climate Skin is a comprehensive planning handbook and reference work that covers all of the relevant technical and physical aspects of the design and detailed planning of energy-efficient facades.

Features
Comprehensive and highly practical, with specific planning advice Relevant to numerous building tasks and types, not just the usual large structures Extensive information on the selected project examples Didactic presentation based on the authors’ proven teaching experience

Contents

Fields of interest
Basics of Construction; Architecture, general

Target groups
Architects, engineers, front planners, students

Type of publication
Professional book

Due January 2008


59,90 €
ISBN 978-3-7643-7725-0

Number Story
From Counting to Cryptography

Number Story is an entertaining introduction to the development of numbers and their applications. Written in the same user-friendly style that characterizes the author’s previous books, the book blends easy material with more challenging ideas about infinity and complex numbers and is full of interesting examples ranging from recreational puzzles to very real world scenarios. There are historical notes, which give the mathematics context, and short digressions, while a final chapter, For Connoisseurs, provides the mathematical detail for those who would like to know more about the questions and techniques highlighted. Number Story will appeal to anyone who is curious about the mathematics behind real-life questions. It will inspire and motivate those thinking of studying mathematics at university, and will provide invaluable material for teachers and lecturers.

Features
By the author of Mathematics for the Curious and Mathematics for the Imagination and compiler of the Sunday Telegraph’s Target Sudoku Explains the mathematics behind popular topics such as chance and probability and codes and cryptography, illustrated by recreational puzzles and real-world scenarios Ideal background reading for those interested in studying mathematics at university

Contents
Preface.- The First Numbers.- Discovering Numbers.- Some Number Tricks.- Some Number Tricks.- Some Useful Numbers.- One the Trail of New Numbers.- Glimpses of Infinity.-Applications of Number Chance.- The Complex History of the Imaginary.- From Imaginary to Complex.- The Number Line Under the Microscope.- Applications of Number: Codes and Public Key Cryptography.- For Connoisseurs.- Index

Fields of interest
Popular Science in Mathematics/Natural Science/Technology; Mathematics, general; Number Theory

Target groups
School-leavers and undergraduates in mathematics; Maths teachers and lecturers; General readers with an interest in Mathematics/Popular science;

Type of publication
Popular science

Due November 2007


19,95 €
ISBN 978-1-84800-000-1

Calories, Caoutchouc, Careers.
Plant Breeding and Agrarian Research in Kaiser-Wilhelm-Institutes 1933-1945

The book offers a history of the agricultural sciences in Nazi Germany. It analyzes scientific practice under the Nazi regime, Nazi agricultural policy and autarkic strategies as well as expansion policy in Eastern Europe. It also offers new insights into the Auschwitz concentration camp. It outlines the Nazi’s comprehensive nutritional and agricultural research program intended to prepare Germany for war by raising productivity through scientific means, researching the relation between nutrition and performance at the edge of starvation, and restructuring the agricultural economy of the continent. The book reveals the relation between science and power in Nazi Germany beyond the usual dichotomy that paints scientists in Nazi Germany either as victims of oppression or as sadistic beasts. It shows the involvement of a high ranking scientific elite in the Nazi regime of occupation and looting of cultural goods in the occupied eastern territories – largely for the sake of their own careers. The main [...]
Urbanisms
Working with Doubt

Contemporary urban development is increasingly characterized by a reliance on diagrams to convey the rational, statistical point of view. In his new book Urbanisms, architect Steven Holl suggests that urban planners need to realize that the experiential power of cities cannot be completely rationalized and must be studied subjectively. With a selection of urban and architectural projects from his twenty-year practice, Holl stretches urban planning into the domain of uncertainty. Urbanisms presents design solutions for diverse locations including: The School of Art and History at the University of Iowa in Iowa City, Iowa; Green Urban Laboratory in Nanning, China; Tooolenburg Zuid Schiphol, The Netherlands; Fondation Pinault Ile Seguin in Paris, France; and the Master Plan for M.I.T.’s Vassar Street in Cambridge, Massachusetts. A comprehensive exploration of each project illustrates this much-celebrated and influential architect’s perspective on urban planning. Steven Holl has been recognized with [...] Features

- Demonstrates a variety of aspects of Steven Holl’s unique urban planning process
- Beautiful and imaginative renderings
- Compelling solutions to urban problems

Fields of interest
Architects; Urbanism; Cities, Countries, Regions

Type of publication
Professional book

Due January 2008

2007. Approx. 175 p. Hardcover
32,00 €
ISBN 978-3-211-75783-3

Urbanism - for sale. feld72 – Architecture, Design, Projects


Features

- Erste Werkübersicht der jungen Architekten feld72

Fields of interest
Architects; Design, general (Design, allgemein)

Target groups
Architekten, Studenten, interessierte Laien

Type of publication
Monograph

Due October 2007

2008. 120 S., zahlr. farb. Abb. Hardcover
18,64 €
ISBN 978-3-211-75783-3

Saturn
The Complete Guide

This book is a complete guide to Saturn and our current understanding of it. Saturn takes a path from the early history of the development of our understanding of the most distant planet seen by naked eye observations, and brings the reader to a position of being informed of the latest results and current understanding of this giant planet, its rings and satellites. In the first part of this book, the authors provide a background for the Saturn systems, building on the initial activities of Cassini and Huygens, whose fundamental activities 350 years ago provided a firm basis for our current knowledge. These historical discussions set the scene of the issues of the time, and the fundamental matters that concerned them. They shaped our knowledge with their major discoveries using very basic instruments. There follows an explanation of our understanding of Saturn, its rings, satellites and environment developed from centuries of ground-based – and now spacecraft – observations from Voyager, Cassini [...] Features

- Written by two prestigious science writers: an experienced NASA experimenter, and a distinguished astronomer

Fields of interest
Popular Science in Astronomy; Astronomy; Planetology

Target groups
Amateur Astronomers and Armchair Astronomers

Type of publication
Popular science

Due May 2008

26,95 €
The Future of Arid Lands-Revisited
A Review of 50 Years of Drylands Research

Features
Explores changes in science and the management of arid lands over the past 50 years within their historical contexts. Highlights the effects of changes in science on land use management policy. Speculates on what role arid lands might play in the future and how policy must adapt to their changing nature.

Contents

Fields of interest
Geography; Popular Science in Nature and Environment; Environment, general; Interdisciplinary Studies

Target groups
Decision makers (policy and management), college students in natural resource management (practice and policy), geography, professionals

Type of publication
Monograph

Due October 2007

Passivhaus-Bauteilkatalog – ökologisch bewertete Konstruktionen, Details for Passive Houses – A Catalogue of Ecologically Rated Constructions


Features
100 Regelquerschnitte und 75 Anschlussdetails mit vierfarbigen maßstäblichen Zeichnungen 100 Baustoffe mit technischen Eigenschaften, ökologischem Lebenslauf und Kennwerten Umfassende bauphysikalische Beschreibung inkl. Hinweise zur Ausführung wärmebrückenfreier und luftdichter Details

Fields of interest
Basics of Construction

Target groups
Architekten, Planer, Bauherren, Bauingenieure

Type of publication
Handbook

Due November 2007

Salyut - The First Space Station
Triumph and Tragedy

This remarkable book is a unique insight into the people involved in the development of the Salyut space station and the crews assigned to operate it. It describes the rotation between the crews, analyses the decision to send the back-up crew on Soyuz 11 and recounts the intrigues and difficult relationships between all the personalities involved - politicians, CKBEM managers, designers, generals and cosmonauts. Biographies of the Soyuz 11 cosmonauts are published for the first time in English and the longest manned space mission of the time is described before Grujica Ivanovich gives a unique summary of the most tragic day in the Soviet/Russian manned space program. An investigation into the cause of the tragic deaths of the Soyuz 11 cosmonauts precedes a description of the post-Salyut era, showing how the legacy of the first space station has survived for decades.

Features
Gives a comprehensive account of the longest manned space mission of the time Provides a unique insight into the development of the Salyut station Details for the first time the people involved and the crews assigned to operate the first space station Salyut Portrays the selection of the crews, dramatic flights and tragedy of Soyuz 11 Relates discussions between the key personnel - politicians, designers, [...]"
**Transparent Plastics**  
*Design and Technology*

Recent years have seen the construction of buildings made of plastic, structures that are as attractive as they are unusual. After initial experiments in the 1970s, plastic is currently experiencing a tremendous boom. Originally used for temporary structures like the BMW Pavilion in Frankfurt, it is now employed in many permanent buildings as well, including the recent Catholic church in Radebeul by Staib/Behnisch. Prominent international avant-garde architects such as Shigeru Ban and Herzog & de Meuron frequently use transparent plastic for their structures. Transparent plastic seems ephemeral and thus captures the spirit of the times. Its various qualities between transparent and translucent make it possible to achieve fascinating effects with light and color. Projects presented include the Allianza Arena in Munich by Herzog &amp; de Meuron, the Rocket Tower in Leicester by Grimshaw &amp; Partners, the Paper Art Museum by Shigeru Ban in Shizuoka, Japan, and the public housing development Cité [..]

**Features**
- Brimming with useful tips for design and building practice
- Stimulating examples of plastic in actual use
- Detailed documentation of technical principles

**Fields of interest**
- Basics of Construction

**Target groups**
- Architects, engineers, clients

**Type of publication**
- Professional book

**Due October 2007**

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2007. Approx. 160 p. 250 illus., 120 in color. Hardcover

59,90 €  
ISBN 978-3-7643-7470-9

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**Basics Design Methods**

Architects often employ design methods to help them find more creative forms. These methods make it possible to break free of the traditional canon of forms and established paradigms. At the same time, there must be enough leeway for a functional, systematic design conception to take shape. This volume focuses in depth on the design methods that have decisively shaped current architectural practice. Themes are - Diagrammatic methods (using drawings and schematic representations), - Mimetic methods (imitative), - Parametric methods (using a characteristic quantity), - Automated and digital design methods of the contemporary avant-garde, e.g. scaling, datascapes, folding, and morphing.

**Features**
- A source of inspiration and systematic support
- Creativity techniques in the work process
- Process-oriented design approach

**Fields of interest**
- Architectural History and Theory; Basics of Construction; Architecture, general

**Target groups**
- Students, lecturers, tutors, professors, young professionals

**Type of publication**
- Professional book

**Due October 2007**

2008. Approx. 80 p. 60 illus. (Basics) Softcover  
12,90 €  
ISBN 978-3-7643-8463-0

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**Disease, Diagnoses, and Dollars**

*Facing the Ever-Expanding Market for Medical Care*

Disease, Drugs, and Dollars is about the costs of health care and their impact on health. The U.S. health care system is the largest sector in the biggest economy, and the U.S spends significantly more per capita on health care than any other country, yet it ranks last among comparison nations on the major health indicators. Within the U.S., there is evidence that regions that spend more do not have better outcomes, and some evidence suggests that quality of care is lower in the regions that spend more, not less, on health care. Robert Kaplan takes the controversial position that mass markets have been created for services that may offer little or no benefit to patients. Many of these markets are for preventive medicine, making healthy people a market for expensive pharmaceutical products and tests. These include cancer screening tests and medications to control blood pressure, cholesterol, and glucose. Kaplan forcefully argues that the overuse of medications and tests runs up the costs of health [..]

**Features**
- Controversial as it questions the foundations of preventive medicine
- Timely criticism of the health care industry and the costs of health care

**Contents**
- Chapter 1: Disease, Drugs and Money.  
- Chapter 2: The Disease-Reservoir Hypothesis.  
- Chapter 3: Mental Models of Health and Health Care.  
- Chapter 4: What is Disease and When does it Begin?.  
- Chapter 5: Screening for Cancer.  
- Chapter 6: Deciding When Blood Pressure is Too High.  
- Chapter 7: The Cholesterol Cutoff.  
- Chapter 8: Diabetes, Obesity, and the Metabolic Syndrome.  
- Chapter 9: Costs-Effectiveness and Opportunity Costs.  
- Chapter 10: Shared Medical Decision-Making.  
- Chapter 11: Putting the Pieces Together.

**Fields of interest**
- Popular Science in Medicine and Health; Medicine, general

**Target groups**
- Professionals in public health, health care management; general readers interested in the health care industry

**Type of publication**
- Popular science

**Due April 2008**

19,95 €  
Basics Project Planning

The main task of the classical architect is project planning, from basic evaluation to design all the way to execution planning, the call for bids, construction management, and completion of the building. This volume explains the individual planning steps in context, presents the networking of the various specialists involved in the project, and offers a clear and practical description of the various levels of organization. Themes are - Planning steps from basic evaluation to handing over the keys, - Project participants (including the authorities, specialized planners, construction firms, etc.), - Organizing the plan (sequence, what’s needed when?, work organization, documentation), - Coordination of the participants.

Features
A step-by-step guide to organizing the plan
Overview of all aspects of planning process management
Professional assistance for career beginners

Contents
Foreword.- Introduction.- Chapter 1: Project structure.- Chapter 2: Planning process.- Chapter 3: Realization.- In conclusion.- Appendix.

Fields of interest
Architectural History and Theory; Basics of Construction; Architecture, general

Target groups
Students, lecturers, tutors, professors, young professionals

Type of publication
Professional book

Due October 2007

2007. Approx. 80 p. 50 illus. (Basics) Softcover
12,90 €
ISBN 978-3-7643-8469-2

Transformation

Basic Principles and Methodology of Design

Bar, surface, body, and space are the fundamental elements of the design process. Every form, however complex, may be understood as a variation of them. And underlying every concrete design is a design methodology that can be analyzed, taught, and learned as a transformation of these four categories.

This sense, Transformation represents a foundational work for architects, designers, and lay people with an interest in cultural history; the unrivaled grammar of design. With a systematic aim and progressively increasing complexity, it unfolds the creative potential of these categories with succinct texts, uniform drawings, and a broad array of examples from architecture, design, and art. But Transformation also occupies an exceptional position as a physical book: the layout makes it especially easy to compare and combine different design steps, and the separate binding of individual groups of pages makes doing so even easier. The result is a kind of construction set that invites the reader to [..]

Features
Book with a fascinating physical layout and sheer unlimited power to stimulate and inspire
With a wealth of contemporary reference examples from architecture, design, and art

Contents
Introduction.- Index of Names.- Subject Index.- Illustration References.- Imprint.- Bar and Lattice.- Bar.- Lattice.- Surface.- Body.- Space.

Fields of interest
Architecture, general

Target groups
Architects, urban planners, demographers, sociologists

Type of publication
Professional book

Due November 2007

2007. Approx. 198 p. 900 illus., 400 in color. Hardcover
99,90 €
ISBN 978-3-7643-6761-9

Lagos: How It Works

Lagos: How it Works is the result of more than eight years of research in Lagos, Nigeria. As a symbol of West African urbanism, Lagos contradicts almost every defining feature of the “modern” city. And yet it’s a city that works. In over five hundred pages, this mega-book documents the changing mega-city with essays, illustrations, maps, diagrams, rumors, interviews, images, and anecdotes. It follows the development of Lagos from a small-scale, traditional settlement on the shores of the Gulf of Guinea in 1800 into one of the largest megacities in the world today.

With an emphasis on modernity, infrastructure, and the role of oil and town planners in the 1970s, it observes the effects that globalization has had on the city’s identity, from its position on the cutting edge of African modernity through its dramatic decline during the oil crisis until today.

Features
A comprehensive study of one of Africa’s largest mega-cities With texts by Rem Koolhaas The latest urbanist research by OMA

Fields of interest
Urbanism; Cities, Countries, Regions; Architecture, general

Target groups
Architects, urban planners, demographers, sociologists

Type of publication
Professional book

Due March 2008

In Cooperation with Harvard Project on the City

2008. Approx. 800 p. 500 illus. in color. Softcover
34,90 €
The Changing Nature of Mathematical Proof

Krantz takes the reader on a journey around the globe and through centuries of history, exploring the many transformations that mathematical proof has undergone from its inception at the time of Euclid and Pythagoras to its versatile, present-day use. The author elaborates on the beauty, challenges and metamorphisms of thought that have accompanied the search for truth through proof. The first two chapters examine the early beginnings of concept of proof and the creation of its elegant structure and language, touching on some of the logic and philosophy behind these developments. The history then unfolds as the author explains the changing face of proofs. The more well-known proofs, the mathematicians behind them, and the world that surrounded them are all highlighted. Each story has its own unique past; there was often a philosophical, sociological, technological or competitive edge that restricted or promoted progress. But the author’s commentary and insights create a seamless thread ...

Contents

Fields of interest
Popular Science in Mathematics/Natural Science/Technology; Mathematical Logic and Foundations; History of Mathematics; Numerical Analysis

Target groups
Professionals, students, anyone interested in the mathematical proof, its foundations and transformations, general literate audience

Type of publication
Popular science

Due February 2009

History of Shock Waves, Explosions and Impact
A Chronological and Biographical Reference

This unique and encyclopedic reference work charts the evolution of the physics of shock waves and detonations from the earliest investigations into percussion and impact phenomena right up to the most recent groundbreaking research in the field. The history of this long and complex process is first reviewed in a general survey that encompasses everything from the earliest observations and interpretations of puzzling high-rate dynamic phenomena associated with natural and man-made explosions to a discussion of the merits of modern numerical computer simulations. The subject is then treated in more detail and in chronological order in the central section of the book, while also being richly illustrated in form of a picture gallery. The bibliographic index provides 122 short biographies of eminent researchers who have contributed to the field. Further references for biographical sources are given, and both name and subject indices (with over 4500 and 2700 entries, respectively) are provided. This ...

Features
This unique and encyclopedic reference work describes the evolution of modern shock wave and detonation physics from the earlier and classical percussion

Contents
Introduction. - General Survey. - Chronology. - Picture Gallery. - Biographies. - Supplementary References. - Name Index. - Subject Index.

Fields of interest
Mechanics, Fluids, Thermodynamics; History of Science; Safety in Chemistry, Dangerous Goods; Geophysics/Geodesy; Physics and Applied Physics in Engineering; Theoretical and Applied Mechanics

Target groups
Everyone professionally interested in shock wave phenomena

Type of publication
Reference work

Due December 2007

Basics Facade Apertures

Facade Openings presents the realm of the exterior wall or facade, which establishes the connection between inside and out and makes it possible to illuminate and ventilate the spaces behind it. This volume deals with the various forms of opening, such as doors, windows, ventilation elements, and fixed glass panes, and their materialization, which also varies according to function; special attention is given to the subject of edges. Themes are - Types and positions of openings. - Technical requirements. - Construction types. - Connections/edges.

Features
Builds an understanding of construction principles and essentials. Requirements for facade openings and constructional implementations. Addresses critical aspects of weak points in the building shell.

Contents

Fields of interest
Architectural History and Theory; Basics of Construction; Architecture, general

Target groups
Students, lecturers, tutors, professors, young professionals

Type of publication
Professional book

Due October 2007

2007. Approx. 88 p. 80 illus. (Basics) Softcover
12,90 €
ISBN 978-3-7643-8466-1

349,00 €
ISBN 978-3-540-20678-1
Suburban Transformations

Smart Growth advocates, environmentalists, and New Urbanists have all tried in their own ways to spread the message of reforming current land use patterns. Their solutions are often criticized for being overly prescriptive, opposed to growth, or nostalgic, respectively. Suburban Transformations offers an alternative to these practices while synthesizing many of the ideas and proposals that they put forth. Five case studies provide fully expressed examples of the process, beginning with a sophisticated system of mapping and culminating in computer projections of likely future outcomes, giving the designer the ability to project changes in the community fabric and adding that knowledge to the designer’s kit of place–making tools.

Fields of interest
Urbanism

Type of publication
Professional book

Due October 2007

2007. 192 p. 300 illus., 200 in color. Softcover

32,00 €

Fundamental Trends in City Development

The Reinvented City reflects on externity, the principal feature of a reinvented city. Three fundamental trends of the city are investigated, ‘discomposed’, ‘generic’ and ‘segregated’ phenomena with the loss of the city as a space of social interaction and communication. The interpretative categories of externity are the intermediate spaces, the counterspaces, the void, the edge, the territory and the environment, places on which to base the future city project. Important questions are posed: What is the true public sphere in contemporary societies? What is the contemporary public space corresponding to it? In what way can the city project construct contemporary public space?

Features
This book provides a theoretical contribution to the project for the city departing from an interpretation of real international situations. A comparative analysis is made of the different cultural positions, which are not configured as simple recognition but as elements for the project. The theme of the city is faced both from the spatial and the social point of view, beginning with minority elements which [...]
M. Mauderer, The Arsenal, UK

**Lights in the Sky**

Identifying and Understanding Astronomical and Meteorological Phenomena

Many lights and other objects in the sky go unrecognized, or at least are little understood by those observing them. Such things range from the commonplace like rainbows and meteors, to the distinctly unusual like the green flash and ball lightning. And there is still a residuum of objects that remain unidentified by the watcher – classed generally as 'UFOs', a description which today has connotations of the mysterious, even of extraterrestrial visitors. The first part of this book is an identification guide, very much like the 'plant identifier' sections found in a good gardening or botany book. It allows quick (and structured) identification of known aerial phenomena, whether at night or during the day. The objects thus found are referenced to the second part of the book. The second part gives a full description, physical explanation, and where relevant notes on observing and photographing the various phenomena. Some will need optical aids such as binoculars or telescopes, but the main thrust of [...] 

**Features**

Enables anyone to identify puzzling astronomical and meteorological phenomena, via an easy 'finder' section Describes all such phenomena, with photographs, illustrations and detailed physical explanations A final chapter looks at 'UFOs' in the context of human perception and preconception

**Contents**


**Fields of interest**

Popular Science in Astronomy; Astronomy

**Target groups**

Amateur astronomers

**Type of publication**

Popular science

Due December 2007

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C. Mayr Fingerle, IFA Institut für Alpine Architektur, Bozen, Italy (ed.)

**Neues Bauen in den Alpen / Architettura alpina contemporanea / New Alpine Architecture**

Architekturpreis 2006 / Premio d'architettura 2006 / Architectural Prize 2006

In 2006, for the fourth time, Sexten Kultur advertised the architecture prize Neues Bauen in den Alpen (New Building in the Alps) and awarded it to the architects of outstanding structures in the Alps. This handsomely designed catalogue is the direct successor to the 1999 exhibition catalogue, which was honored with the Frankfurt Book Award. It selects particular structures and as exemplary for a technical analysis of building in the mountains, with its special climatic and topographical conditions. Of 419 submitted projects, 31 projects were honored and described by the five distinguished jurors: architectural historians Bruno Reichlin and Friedrich Achleitner and the internationally esteemed architects Sebastiano Brandolini, Manfred Kovaltsch, and Günther Vogt. The highly atmospheric descriptions and analyses are ideally supplemented by the top-flight photographs and thus do a beautiful job of rendering the structures' temperament and character. The exhibition of the architecture prize will travel [...] 

**Features**


**Contents**


**Fields of interest**

Popular Science in Astronomy; Astronomy

**Target groups**

Amateur, practical astronomers

**Type of publication**

Popular science

Due February 2008

2006: Approx. 255 p. (Astronomers' Observing Guides) Softcover

29.95 €

ISBN 978-1-85233-750-6

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J. McAnally

**Jupiter and How to Observe It**

Astronomers' observing guides provide up-to-date information for amateur astronomers who want to know all about what it is they are observing. This is the basis of the first part of the book. The second part details observing techniques for practical astronomers, working with a range of different instruments.

**Fields of interest**

Popular Science in Astronomy; Astronomy

**Target groups**

Amateur, practical astronomers

**Type of publication**

Popular science

Due February 2008

2008: Approx. 255 p. (Astronomers' Observing Guides) Softcover

29.95 €

ISBN 978-1-85233-750-6

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24 Popular Science
A. Mitchell

Austin Val Verde

Impressions of a Montecito Masterpiece

K. Nolan, Institute of Technology, Dublin, Ireland

Mars, A Cosmic Stepping Stone

Uncovering Humanity’s Cosmic Context

The questions of our origin and cosmic abundance of life are among the most compelling facing humanity. We have determined much about the nature and origin of the Universe and our place in it, but with virtually all evidence of our origin long since gone from our world and an unimaginably vast Universe still to explore, defining answers are difficult to obtain. For all of the difficulties facing us however, the planet Mars may act as a ‘cosmic stepping stone’ in uncovering some of the answers. Although different today, the origin and early history of both Earth and Mars may have been similar enough to consider an origin to life on both. But because Mars’ planetary processes collapsed over three billion years ago – just as life was beginning to flourish on Earth – a significant and unique record of activity from that era perhaps relevant to the origin of life still resides there today. In recognition of this, both the US and Europe are currently engaged in one of the most ambitious programs of [...] Features

A unique view of Mars, not just as an exploration destination in its own right, but as an immensely important test bed for all future planetary exploration

Contents


Features

Astronomy, Astrophysics and Cosmology; Popular Science in Astronomy; Space Exploration and Aeronautics; Extraterrestrial Physics, Space Sciences

Target groups

Popular science audience, science fiction fans, amateur astronomers

Type of publication

Popular science

Due October 2007

2007. 144 p. 100 illus. Hardcover
40,00 €

G. O’Regan, Cork, Ireland

A Brief History of Computing

This book provides an introduction into the key topics in the history of computing in an easy-to-follow and concise manner. It covers significant areas and events in the field from the beginnings of computation 3000B.C. through to the present day. Features

Offers detailed information on major figures in computing, such as Boole, Babbage, Shannon, Turing &amp; Von Neumann Includes a history of programming languages, including syntax &amp; semantics Presents a history of software engineering Discusses the progress of artificial intelligence, with extension to some of the key disciplines in this field, such as philosophy, psychology, linguistics, neural networks &amp; cybernetics Examines the history of the Internet revolution, World Wide Web &amp; Dot Com Bubble Shows the evolution of a number of technology companies such as IBM, Motorola &amp; Microsoft Focusing on the fundamental areas in the computing field, this clearly written &amp; broad-ranging text will catch the attention [...] Features

Offers a comprehensive account of the history of computing Traces the beginnings of computation 3000 B.C. through to modern times Includes helpful pedagogical elements such as exercises and chapter summaries Does not require studies in computer science in order to be understood and appreciated

Contents


History of Computing; Popular Science in Mathematics/Natural Science/Technology; History of Science

Target groups

Undergraduates, Graduates, General readers

Type of publication

Undergraduate textbook

Due April 2008

22,95 €
ISBN 978-1-84800-083-4
Incorporating tradition doesn’t mean turning back the clock, but infusing a common identity with new dynamism. This is the message the Austrian architectural firm Ortner & Ortner seeks to convey with its buildings. They see European culture as an exemplary situation, in which old and new combine to create a particularly rich and multifaceted mix. With Vienna’s museum district, Zurich’s Schilthaus arts complex, and the Dresden Public Library, this book focuses on three internationally significant contemporary cultural buildings. These are supplemented by some twenty additional building projects from the categories of theater, museum, and library, all of which – beginning with the early pavilion buildings from the Haus-Rucker-Co era (1967–1992) – take up the subject of “architecture for European culture.” A large text section with essays by Bart Lootsma, Ernst Hubeli, and Sophie Lovell attempts to get to the bottom of this special mix of European architectures and rounds off the book as a whole.

Features
Umfasst Aspekte des Städtebaus genauso wie der Innenraumgestaltung bis hin zur gastronomischen Szenerie Mit unveröffentlichtem Material: Kulturforum Westfalen Münster (in Planung), Kulturzentrum Aachen, Musiktheater Luzern, Theater Ronacher Wien, Marienthal München, Stadtcasino Basel (Theaterprojekte); Deutsche Schule Genf, Le Tre Bozen, Speicher Kiel, Stadtbibliothek Berlin, Bibliothek Darmstadt, Bibliothek [...] 

Fields of interest
Architects; Building Types and Functions

Target groups
Architects, Theater-, Bibliotheks- und Museums-Bauherrnen

Type of publication
Professional book

Due November 2007
Basics Urban Building Blocks

Our cities and neighborhoods are composed of Urban Building Blocks and a knowledge of these elementary components is part of the basic equipment of city planning. It is absolutely essential for urban design that one understands their form and structure, their functional conditions, and the differentiation into private and public spheres, as well as the ways they are networked into their surroundings. Study of these city building blocks represents a first step toward understanding, and successfully developing the built structure of the city as a physical and social habitat. Themes are - the row, - the block, - the courtyard (the block in reverse), - the passageway, - the line, - the solitaire, - the group, - the “shed”.

Features
Quick and easy comprehension of the basic building blocks of the city Basic introduction to the larger spatial context of the city Indispensable for city planning analysis and design

Contents

Fields of interest
Architectural History and Theory; Basics of Construction; Architecture, general

Target groups
Students, lecturers, tutors, professors, young professionals

Type of publication
Professional book

Due October 2007

2008. Approx. 75 p. 25 illus. (Basics) Softcover

12,90 €
ISBN 978-3-7643-8460-9

Courtyard Houses
A Housing Typology

To continue developing existing building types in an intelligent way is a crucial task in the field of residential building. A deeper understanding of the underlying types is indispensable for the success of the individual design, as well as for ensuring that tried and tested structures can be utilized, repeated, and varied in a wide variety of situations. For this typology of residential buildings, the authors have developed systematic new presentations of the most innovative types. Each individual volume lays out the possibilities for using and transforming a particular form of residential structure. The first volume deals with the various types of the courtyard house, which utilizes the courtyard as an intimate outdoor living space. A presentation of the courtyard as a building block of the city is followed by coverage of the complete spectrum of types - cluster, network, carpet, terraces, etc. The second volume is devoted to the various types of row house, a particularly widespread form of [...]
The Night Sky Companion

The Night Sky Companion takes a look at astronomy every day over the course of the year—offering an overview of general history, soft science, astronomical trivia, and observing guides and motivation. Designed to appeal to readers at all skill levels and involvement, it provides a digest for sky watchers interested in all-in-one-place information that includes history, current events, and of course interesting objects to be observed on any given day. The Moon is followed through its phases with observing instructions, annotated pictorial maps, concise photos, and the science and history of what makes lunar observing a fascinating challenge. Unaided eye observers are offered an opportunity to view many objects or events; learn about their history, science and how just “looking up” can be rewarding. Binocular and small telescope users will find a wealth of things to view using simple star hop instructions and finder charts. This book is more than just an observing guide; it’s a way of learning your […]

Features
Offers a guide to what can be explored on a nightly basis, combined with history, location maps, star hop instructions and soft science. Written in a conversational tone that offers the reader motivation and encouragement—no difficult complicated technical text. Suitable for amateur astronomers, but also classroom use or observing clubs. Offers information designed to captivate observers at all levels and […]

Contents

Fields of interest
Popular Science in Astronomy; Astronomy

Target groups
Amateur and practical astronomers

Type of publication
Popular science

Due November 2007


24,95 €

New Narratives in Eighteenth-Century Chemistry
Contributions from the First Francis Bacon Workshop, 21-23 April 2005

The eighteenth century has long been considered critical for the development of modern chemistry, yet many crucial features of the period remain largely unknown or unexplored, for general accounts—often built around Lavoisier—have remained quite selective. This volume presents new approaches and topics in an attempt to build a richer, fuller, more complex view of chemical work during the period. Themes include “late-phase” alchemy, professionalization, chemical education, and the links and relations between chemistry and pharmacy, medicine, agriculture, and geology.

Features
Aims for creating new narratives for understanding the period; Provides studies and analyses of hitherto neglected features of the period; Contains analyses and critiques of existing historiography of the period

Contents

Fields of interest
History of Science

Target groups
Chemists, historians of chemistry, historians of science

Type of publication
Contributed volume

Due October 2007


99,95 €

Stadt = Form Raum Netz / City = Form Space Net – The Theory Book

Mit den Begriffen Form, Raum und Netz werden die drei Vorstellungen aufgegriffen, die seit dem Beginn der Moderne unsere Sicht auf die Organisation einer Stadt prägen. Ohne damit Vollständigkeit implizieren zu wollen, wird in der Thematisierung dieser Begriffe auf Arbeiten österreichischer Architekten verwiesen, in denen die jeweils zeitgenössische Architektdiskussion zu prägnanter Anschauung gelangte. Darüber hinaus erörtert diese Auswahl aber auch das Spektrum der Möglichkeiten des Landes Österreich. Es ist die Beschreibung seiner Kultur anhand von drei Beispielen, die als paradigmatische Versuche gelten können, die Stadt mit Hilfe eines prägnanten Bildes in ihrer Mechanik zu verstehen und ihre spezifische Wirkung zu begreifen. Dieser Folgeband des Biennale Exhibition Magazines untersucht die Theorie, die den ausgestellten Exponaten zugrunde liegt.

Features

Fields of interest
Architectural History and Theory

Target groups
Architekten, Kunsthistoriker, Studenten

Type of publication
Collected works

Due January 2008

2008. Etwa 140 S. 155 Abb., 120 in Farbe. Softcover

27,99 €
ISBN 978-3-211-34363-0
The Science and Art of Using Astronomical Telescopes

Amateur astronomers have to start somewhere. Most begin by buying a modest astronomical telescope and getting to know the night sky. After a while, many want to move on to the next stage, but this can be problematic. The magazines advertise a mass of commercially-made equipment – some of it very expensive - which can represent a major financial outlay. The trick is to choose the right equipment, and then use it to its fullest extent. Observing Skills: The Science and Art of using Astronomical Telescopes provides the required information. First, it explains how to get the best from entry-level equipment (that upgrade may not even be needed for a year or two!). Second, it explains how to select equipment that is at the ‘next level’, and describes how use more advanced telescopes and accessories. The book is organized according to observational targets, and although it concentrates mainly on visual observing, it concludes with a section on imaging and the equipment currently available – from regular [...] Features

Helps enthusiastic but inexperienced amateur astronomers get the best from their existing equipment Answers the fundamental questions: “what should I buy and how should I use it?” and “how do I get the most out of what I already have” Deals with a range of equipment from ‘entry level’ to ‘advanced’, but concentrates on mid range telescopes and accessories Concentrates on the enthusiastic, yet realistic ‘can [...]”

Contents
Preface · Introduction · Lunar Viewing · Solar Viewing · Planetary Viewing · Simple Deep Sky Viewing · Beyond the Local Group · Imaging · Appendix A · Appendix B.

Fields of interest
Popular Science in Astronomy; Astronomy, Astrophysics and Cosmology

Target groups
Amateur and practical astronomers

Type of publication
Popular science

Due May 2008


26.95 €

Observing the Sun with Coronado™ Telescopes

The Sun provides amateur astronomers with one of the few opportunities for daytime astronomy. In order to see the major features of our nearest star, special telescopes that have a very narrow visible bandwidth are essential. The bandwidth has to be as narrow as 1 x 10⁻¹⁰ m (1 Angstrom) and centred on the absorption line of neutral hydrogen. This makes many major features of the Sun’s chromosphere visible to the observer. Such narrow-band “Fabry-Perot etalon filters” are high technology, and until the introduction of the Coronado range of solar telescopes, were too expensive for amateur use. The entry-level Coronado telescope, the PST (Personal Solar Telescope) costs under $500. Solar prominences (vast columns of plasma, best seen at the edge of the solar disk), filaments, flares, sunspots, plage and active regions are all visible and can be imaged to produce spectacular solar photographs. Philip Pugh has assembled a team of contributors who show just how much solar work can be done with Coronado [...] Features

The first introduction to H-alpha solar observation for amateurs Dedicated to the popular Coronado range of H-alpha telescopes Contains superb images of the Sun in H-alpha taken with Coronado telescopes by top amateur astronomers Detailed sections on imaging and image-processing Covers the range of equipment from the entry level PST to advanced, but with emphasis on the low-cost models Contents
Preface · Introduction · The Coronado PST · Imaging · Larger Coronado Hydrogen-alpha Telescopes · Use of a SolarMax 60 filter system · Summing up.

Fields of interest
Popular Science in Astronomy; Astronomy

Target groups
Amateur and practical astronomers

Type of publication
Popular science

Due November 2007


32.95 €

Ökologische Architektur / Ecological Architecture


Features
Ökologische Architektur auf höchstem ästhetischen Niveau Dokumentation der Bauten in Bild und Plan Darstellung der Energiekonzepte, der Besonnungstudien sowie bauphysikalischer Details

Contents
Essay by Matthias Boeckl · Projects: Single-family houses / residential buildings / public buildings / tourism / office buildings / urban construction · In-depth glossary of technical terms and facilities · Catalog of projects · Staff members · Bibliography

Fields of interest
Architects

Target groups
Architects, students of architecture

Type of publication
Monograph

Due November 2007


46.68 €
ISBN 978-3-211-32770-8
Riepl Riepl Architekten

RIEPL RIEPL ARCHITEKTEN have produced an ambitious range of assignments from cultural and industrial buildings to housing and churches. Thereby Peter Riepl and Gabrielle Riepl do not consider it their primary architectural task to invent novel constructions, preferring rather to modify and differentiate existing space and recondition places. “Space” is regarded as more than just an enclosed area but can also be unlimited, vast and completely open, or formed through specific constellations. Large photos as well as plans, text and project data introduce the reader to a selection of the architects outstanding buildings. An essay by Friedrich Achleitner characterises the architects’ work and puts it into a wider context.

Features


Fields of interest

Architects; Architecture, general

Target groups

Architects, students, developers, public authorities, interested laymen

Type of publication

Monograph

Due October 2007

Minka

My Farmhouse in Japan

In 1959 journalist John Roderick joined the Tokyo bureau of the Associated Press. There, he befriended a Japanese family, the Takishitas. After musing offhandedly that he would like to one day have his own house in Japan, the family—unknowingly to John—set out to grant his wish. They found Roderick a 250-year-old “minka,” or hand-built farmhouse, with a thatched roof and held together entirely by wooden pegs and joinery. It was about to be washed away by flooding and was being offered for only fourteen dollars. Roderick graciously bought the house, but was privately dismayed at the prospect of living in this enormous old relic lacking heating, bathing, plumbing, and proper kitchen facilities. So the minka was dismantled and stored, where Roderick secretly hoped it would stay, as it did for three years. Roderick and a team of experienced carpenters renovated the farmhouse adding features such as floor-to-ceiling sliding glass doors and a modern kitchen, bath, and toilet. John Roderick’s […]

Features

• A poignant memoir by an American who formed a close relationship with a Japanese family and a Japanese house • Author’s writing style is superb. It is a real page turner • Beautiful photographs complement the text

Fields of interest

Building Types and Functions; Cultural Heritage

Type of publication

Biography

Due November 2007

My Heavens!

The Adventures of a Lonely Stargazer Building an Over-the-Top Observatory

My Heavens! charts the progress of the author’s own substantial observatory (with additional material from amateur constructors of large observatories elsewhere) from conception, through design, planning and construction, to using an observatory of the kind that all amateur astronomers would aspire to own. This book tells the “warts and all” story of small beginnings in amateur astronomy, leading to the construction of a “top of the range” observatory at a house on the edge of a country village between Oxford and London. The author is a qualified building surveyor, and looks at building the observatory from his own professional perspective. There were of course many errors, problems, technical and organizational difficulties along the way, and the author never shies away from admitting his mistakes – and in doing so he reduces the chances of others falling into the same traps Comparisons are made with similar large projects in the USA, taking a look at the differences and similarities in planning […]

Features

Describes how to set up a high class amateur observatory Written by a qualified building surveyor, it looks at the planning, building and construction from a professional viewpoint For those with more modest ambitions, the book offers many hints, tips and design features for smaller observatories Points out the pitfalls to beware of! Gives an overview of deep sky imaging – not an expert tutorial, but a […]

Contents


Fields of interest

Popular Science in Astronomy; Astronomy

Target groups

Amateur astronomers

Type of publication

Popular science

Due December 2007
“Space tourism” is becoming a reality. Ordinary people around the world are starting to wonder if they could really go to space and what it would be like – among them, many amateur astronomers. This book explains the basics of what is involved in getting into space, from building the rocket and choosing where to go, to planning the mission and getting home again. It details the extraordinary conditions astronauts cope with when they are in space, and how they communicate with Earth. It explains how amateur astronomers can observe satellites and calculate their orbital parameters. It even has answers to questions such as, ‘How does a spacecraft know exactly where it is?’ and, ‘What are the toilet facilities like?’ The book is an introduction to space vehicles and space travel: the vehicles themselves, their propulsion systems, environmental systems, navigation, and steering. It looks at possible future missions, and explores the far future of space flight – what is possible and what is not. Most [...]
The Tunguska Mystery

The purpose of the book is a dual one: to detail the nature and results of Tunguska investigations in the former USSR and present-day CIS, and to destroy two long-standing myths still held the West. The first concerns alleged "final solutions" that have ostensibly been found in Russia or elsewhere. The second concerns the mistaken belief that there has been little or no progress in understanding the nature of the Tunguska phenomenon. All this is treated by the author in a scholarly and responsible manner. Although the book does present certain unusual findings of Russian and Ukrainian scholars, it is important to stress that this is not a sensational book; it is, rather, a serious exposition of the results of rational investigations into a difficult scientific problem. We are demonstrating the true complexity of the problem that is now entering its second century of existence. Simple meteoritic models cannot explain all the characteristics of this complicated event, and therefore certain so-called [...] 

Features
The only book written in the English language on Tunguska studies in the former Soviet Union and new independent states that is entirely based on first-hand accounts of serious researchers directly engaged in these studies Objective and pays attention to both conventional and unconventional theories of the Tunguska space body's origin. Devoid of pseudoscientific arguments that are rather typical for the [...] 

Contents
No TOC included

Fields of interest
Astronomy; Popular Science in Astronomy; Extraterrestrial Physics, Space Sciences

Target groups
Specialists, researchers, students, and others interested in Astronomy, environmental catastrophies, Planetary, and scientific mystery

Type of publication
Popular science

Due October 2008

Basics Site management

Site management is an important and interesting field of activity for architects. This volume describes the various tasks that fall to architects in construction supervision in practical and understandable terms. It addresses construction supervision and quality control in general as well as individual subjects such as quantity survey, account settlement, and cost and supplemental services management. Subjects: General construction supervision, Quality assurance, Progress and cost management, Acceptance and delivery, Quantity survey and account settlement.

Features
A Basics for the hands-on, practical side of the profession. Construction management is one of the architect's important tasks. Guide to realizing good architecture - from quantity survey to services management.

Fields of interest
Architectural History and Theory; Basics of Construction; Architecture, general

Type of publication
Professional book

Due October 2007

2008. 50 illus. (Basics) Softcover
12,90 €
ISBN 978-3-7643-8104-2

Architecture in Vienna

August Sarnitz has followed architecture in Vienna for over a decade in his Springer guides. The new guide discusses 700 buildings from all periods built in all styles that can be seen in Vienna. A focal point is on the more recent building and planning schemes that have given Vienna a new image - also in terms of preservation. Essays by recognized specialists and critics address the controversial debate on city renewal and give the reader a differentiated view of the exemplary collection of buildings in the guide. Readers visualize planning relationships. The lexical quality of the indexes on the chronology of construction and architects, the essays on styles, history and city planning, as well as maps make the new guide to an essential vademecum for tourists as well as for all readers interested in architecture.

Features
Vienna architecture guide and encyclopedia. Essays on the city and building history as well as on the current planning debate. Illustrated with photos and plans of the projects by district. Projects can be found easily in detailed maps.

Contents

Fields of interest
Cities, Countries, Regions; Urbanism; Architects

Target groups
Architects, students, interested laymen

Type of publication
Monograph

Due March 2008

2008. Approx. 600 p. 700 illus. in color. Softcover
27,23 €
ISBN 978-3-211-71578-9
Le Corbusier: The Villa Savoye

With its uncompromising and clear construction, the Villa Savoye, completed in 1931, established Le Corbusier’s reputation as an undisputed master of twentieth-century architecture. André Malraux placed it on the historic register in 1964. In this guide, historic documents and new photographs provide an in-depth presentation both to visitors to the site and to interested readers at home.

Features
New, in separate English and French language editions
Attractive price and reader-friendly design
Informative architectural guide in a handy format
Numerous plans and photographs

Contents
Foreword - Orientation Guide - History of a Country House - From Oblivion to Consecration - Principles of the Modern Dwelling - data sheet - bibliography

Fields of interest
Architects

Target groups
Tourists interested in architecture and modern art, architect theorists, cultural scientists, architects

Type of publication
Professional book

Due November 2007

2007. Approx. 144 p. 114 illus., 33 in color. (Le Corbusier Guides (engl.)) Softcover
16,02 €
ISBN 978-3-7643-8230-8

The English Galileo

Thomas Harriot’s Work on Motion as an Example of Preclassical Mechanics

Fields of interest
Philosophy of Science; History of Science

Type of publication
Monograph

Due December 2007

150,00 €

The Loss of Certainty

Hermann von Helmholtz’s Mechanism at the Dawn of Modernity. A Study on the Transition from Classical to Modern Philosophy of Nature

Two seemingly contradictory tendencies have accompanied the development of the natural sciences in the past 150 years. On the one hand, the natural sciences have been instrumental in effecting a thoroughgoing transformation of social structures and have made a permanent impact on the conceptual world of human beings. This historical period has, on the other hand, also brought to light the merely hypothetical validity of scientific knowledge. As late as the middle of the 19th century the truth-pathos in the natural sciences was still unbroken. Yet in the succeeding years these claims to certain knowledge underwent a fundamental crisis. For scientists today, of course, the fact that their knowledge can possess only relative validity is a matter of self-evidence. The present analysis investigates the early phase of this fundamental change in the concept of science through an examination of Hermann von Helmholtz’s conception of science and his mechanistic interpretation of nature. Helmholtz [..]

Features
First English comprehensive contribution to one of the leading German physicists in the 19th century an informative account of a highly important part of the history of science and a reconstruction of a conception of science that is greatly widespread to this day profound analysis of the interaction between classical physics and philosophy of nature new insights into the impact of Immanuel Kant’s [..]

Contents
Introduction: The Concept of Mechanism; II. Mechanism as a Classical Philosophy of Nature; III. The Three Lines of Traditions of Mechanism; IV. Contours of a Modern Philosophy of Nature; V. Helmholtz as Educator, Natural Scientist, and Research Strategist; VI. Helmholtz’s Classical Mechanism; VII. The Hypothesization of Helmholtz’s Mechanism; VIII. Conditions and Causes of the Change in Helmholtz’s Conception of Nature and Science; Bibliography; Index

Fields of interest
Philosophy of Nature; History of Science; Philosophy of Science; History of Physics

Target groups
Scholars and students of History, History of Science, History of Physics, History of Philosophy, History of the Philosophy of Science. Philosophers of Science and Technology

Type of publication
Monograph

Due December 2007

99,00 €
ISBN 978-1-4020-5629-1
In Detail: Cost-Effective Building
Economic concepts and constructions

This latest volume in the In Detail series turns the spotlight on projects otherwise overshadowed by the spectacular and extravagant buildings that fill the specialist journals: unvarnished, unpretentious buildings that, despite tight budgets, are clearly worked out to the last detail. They exemplify how, and by what measures, cost-effective planning and building are possible. Because cost-effective building requires that special attention be paid to the overall planning and implementation these processes are examined comprehensively in specialist contributions and project documentations, from office organization through the design phase and the coordination of implementation planning, on to ultimate realization. The spectrum of solutions extends from the use of standardized products to innovative and individual solutions for details, complete with specified costs, and is a source of inspiration for architects and planners.

Features
Practical information and strategies for everyday work From standard products to individual detailed solutions Includes construction cost details for all the projects presented Specialist essays by experienced authors

Fields of interest
Basics of Construction; Architecture, general

Target groups
Architects, engineers, students

Type of publication
Professional book

Due October 2007

In cooperation with DETAIL

2007. Approx. 180 p. 280 illus., 130 in color. (In Detail (english))
Dustjacket

65,00 €
ISBN 978-3-7643-8393-0

Heinz-Mathoi-Streli Architekten

Bauten und Projekte | Buildings and Projects


Features
Erste Monographie über Heinz-Mathoi-Streli Vielfältige Bauaufgaben im landschaftlich-urbanen Kontext Beiträge von Otto Kapfinger und Friedrich Achleitner

Fields of interest
Architects

Target groups
Architects, Students, interested Laymen

Type of publication
Monograph

Due May 2008


46,68 €
ISBN 978-3-211-75791-8

Walter Dietl – Arnold Gapp – Werner Tscholl

Vinschgauer Architekten im Portrait / Ritratto di architetti Venostani / Vinschgau Architect Portraits


Features
Drei Architekturbüros im Portrait Bauen im alpinen Bereich – auch höchst ungewöhnliche Bauaufgaben Großformatige Monographie mit vielen Abbildungen, Plans und Skizzen

Fields of interest
Architects

Target groups
Architekten, Studenten der Architektur

Type of publication
Monograph

Due November 2007

2008. 312 p. 200 illus. in color. Hardcover

46,68 €
ISBN 978-3-211-32767-8
The Kaiser-Wilhelm-Institute for Anthropology, Human Heredity and Eugenics, 1927-1945
Crossing Boundaries

When the Kaiser Wilhelm Institute for Anthropology, Human Heredity and Eugenics opened its doors in 1927, it could rely on wide political approval, ranging from the Social Democrats over the Catholic Centre to the far right wing of the party spectrum. In 1933 the institute and its founding director Eugen Fischer came under pressure to adjust, which they were able to ward off through Selbstgleichschaltung (auto-coordination). The Third Reich brought about a mutual beneficial servicing of science and politics. With their research into hereditary health and racial policies the institute’s employees provided the Brownshirt rulers with legitimating grounds. At international meetings they used their scientific standing and authority to defend the abundance of forced sterilizations performed in Nazi Germany. Their expertise was instrumental in registering and selecting/eliminating Jews, Sinti and Roma, “Rhineland bastards”, Erbkranke and Fremdvölkische. In return, hereditary health and racial policies [...] were able to terminate in bestial medical crimes on “valueless” human beings; This case study offers a sophisticated analysis of the complex interface of [...] Features


Fields of interest

History of Science; Human Genetics; Anthropology; Medicine, general; Life Sciences, general

Target groups

people interested in (German) history, especially history of the Third Reich, and/or history of science; people interested in life sciences (biology, human genetics, anthropology, medicine, psychiatry, demography) scholars interested in the link between German academic biomedical practitioners and their science and the intellectual origins of the Holocaust

Type of publication

Monograph

Due December 2007

Opening the Frontiers of Space
A Comprehensive Guide for Future Astronaut Tourists

Recent surveys have provided new and updated information into public insights of the nascent space tourism industry. Erik Seedhouse uniquely explores in detail the cutting-edge technologies, spacecraft capabilities, launch vehicles and the training that will define this commercial enterprise and also provides a manual for future suborbital and orbital private space explorers. This overview of the space tourism market is based upon choices the spaceflight participant must make, such as choice of agency, mode and spaceport. A detailed explanation is given of the medical requirements for spaceflight participants, with special reference to potential waiver criteria. Over half of the book is a comprehensive astronaut training/instructional manual that addresses each of the 15 subjects required for suborbital and orbital flight. Features

Provides an essential, comprehensive understanding of the space tourism industry Gives insight and awareness of the various facets of the new space age Describes the mission architectures and enabling technologies of the primary Suborbital and Orbital companies Explains the medical requirements for Suborbital and Orbital spaceflight participants Asesses in detail the future of space tourism based on current [...] Contents


Fields of interest

Popular Science in Astronomy; Astronomy, Extraterrestrial Physics, Space Sciences; Space Exploration and Astronautics

Target groups

Space enthusiasts, aspiring astronauts, private space companies, space tourism and enterprise personnel

Type of publication

Popular science

Due January 2008

Jointly published with Praxis Publishing, UK

Encyclopaedia of the History of Science, Technology, and Medicine in Non-Western Cultures

The second edition of this landmark encyclopaedia will contain approximately 1000 entries dealing in depth with the history of the scientific, technological and medical accomplishments of cultures outside of the United States and Europe. The entries consist of fully updated articles together with hundreds of entirely new topics. This unique reference work includes: Intercultural articles on broad topics such as Mathematics and Astronomy Philosophical articles on concepts and ideas related to the study of non-Western Science, such as Rationality, Objectivity, and Method, Religion and Science, East and West, and Magic and Science Articles on topics such as Native American Mathematics, Polynesian Navigation, Korean Maps, and African Metalurgy Biographical articles for those cultures where individual scientists are known to us, such as China and the Islamic world.

Features

Unique in both scientific and geographical scope Intercultural articles on broad topics by world experts Totally revised and expanded from the first edition

Contents

About 1000 entries in an A to Z format dealing in depth with the history of the scientific, technological and medical accomplishments of cultures outside of the United States and Europe.

Fields of interest

History of Science; Interdisciplinary Studies; Philosophy of Science

Target groups

Scientists in various disciplines, graduate and undergraduate students, historians, sociologists, philosophers of science

Type of publication

Encyclopaedia

Due November 2007

2008. Approx. 1800 p. 1000 illus. in color. Hardcover

449,00 €


119,00 €
ISBN 978-1-4020-6599-6
Encyclopaedia of the History of Science, Technology, and Medicine in Non-Western Cultures

The Encyclopaedia of the History of Science, Technology, and Medicine in Non-Western Cultures contains almost 600 entries on the history of the scientific, technological and medical accomplishments of cultures outside the United States and Europe. This multi-disciplinary and cross-cultural work treats the life and physical sciences, medicine, and technology, and covers Africa, Asia, the Islamic world, Native America (North, Central and South), and the Pacific. The work will be of interest to historians of science and technology, historians of mathematics, historians of astronomy, historians of medicine, sociologists and scholars working in the field of regional and cultural studies.

Features
Unique in both scientific and geographical scope

Contents
About 1000 entries in an A to Z format dealing in depth with the history of the scientific and medical accomplishments of cultures outside the United States and Europe.

Fields of interest
History of Science; Interdisciplinary Studies; Philosophy of Science

Target groups
Scientists in various disciplines, graduate and undergraduate students, historians, sociologists, philosophers of science

Type of publication
Contributed volume

Light Shadow Space
Architectural Rendering with Cinema 4D

The visualization of light in space, its effect on model cubature and scenery, is one of the great challenges in architectural rendering. This is a decisive reason for the use of 3D tools – both for architecture offices and students. This volume features a number of exercises that enable the reader to learn how to light architecture models correctly. Complete virtual 3D scenarios are included that allow for the step-by-step construction of a lighting set up with the help of Cinema 4D® software that creates a realistic spatial impression. The tutorials are complemented by a chapter on the use of Cinema 4D®, importing CAD models and light sources as well as shadow types, which have been revised and expanded in the 9.5 and 10 version.

Features
Step-by-step approach to the correct lighting of 3D architecture models
Fascinating results with the correct lighting
Improve your CAD models with Cinema 4D®

Fields of interest
Basics of Construction

Target groups
Architects, students, technical drawers, landscape designers

Type of publication
Manual

Photoshop® for Architectural Rendering

Photoshop is the worldwide market leader among image editing software. Along with its classical use for photography and web design, it is also an important 3D modeling tool. It is used to generate textures and for the post-production of rendered stills. In architectural terms, it can be said that Photoshop is used in all workflow phases, whether to generate and process planning layouts, to produce material textures for virtual modeling or for the final assembly of photographed and rendered image components. This volume features solutions for typical everyday tasks and helps planners, architects and students achieve satisfying results with the help of Photoshop software.

Features
First handbook for architects
Practical step-by-step tutorials for quick improvement
Photoshop is the leading image editing program

Contents
Navigation, Desktop, Workspace.- Content management with Bridge.- Tone value – and color correction, gray shade optimization.- Geometrical image correction.- Exposing people, trees, etc.- Coloring drawings.- Vector and bit map mask, alpha channel.- Scan processing.- Tile texture, problems and solutions.- Postproduction, multi-layer-rendering.- Image generation in CAD drawing.- Perspective and Montage.- Automation and batch processing.

Fields of interest
Basics of Construction

Target groups
Architects, students, set designers

Type of publication
Manual

Due November 2007

2008. 240 p. 1060 illus., partly in color. Hardcover

45,00 €
ISBN 978-3-211-48761-7

Due March 2008


44,95 €
ISBN 978-3-211-71591-8
The planning parameters of city planning and landscape architecture are changing as a result of global warming. 'scape presents the most intelligent and exciting designs, and discusses the various possibilities planners have, for working with the changing climate. Designing without water: heat and dryness demand new visions; resource scarcity calls for rethinking. Delta regions are the most densely populated areas in the world. Precisely in these regions the water is rising. In the Netherlands a number of studies and initiatives are investigating what solutions are possible and desirable. Arctic cities are no longer remote, whether economically or in terms of culture or climate. What were once extreme situations can be sensibly developed today. Portrait: The French landscape architect Gilles Clément’s concept of the “jardin planétaire” calls on designers to relate to the earth as a garden. A plea for collective responsibility, poetic and convincing.

Features
Exceptional combination of landscape architecture and urban planning. Copious background material, explanations, and information. In cooperation with internationally active specialized journalists, landscape architects, and urban planners.

Fields of interest
Landscape Architecture

Target groups
Landscape architects, urban planners, architects, students; universities

Type of publication
Professional book

Due November 2007

2007. Approx. 80 p. 100 illus. (Scape, Vol. 2/07) Softcover

15,00 €
ISBN 978-3-7643-8421-0

The Antiquities of Athens
Measured and Delineated by James Stuart and Nicholas Revett, Painters and Architects

James ‘Athenian’ Stuart and Nicholas Revett’s monumental Antiquities of Athens was the first accurate survey of ancient Greek architecture ever completed. Based on precise measured drawings done at the sites of the ancient ruins between 1751 and 1754, these books set a new standard for archaeological investigation in the eighteenth century. In doing so, they also transformed our understanding of Greek architecture and – by pointing up differences between Greek and Roman examples – fundamentally challenged prevailing notions about a universal classical ideal, and fueled the Greek Revival movement that dominated British, European, and American architecture and design for over a century. Originally published in four volumes that appeared between 1762 and 1816, Stuart and Revett’s masterwork is presented here in its entirety as part of our Classic Reprints series and features a new introduction by scholar Frank Salmon. With its many images of buildings, plans, sculpture, friezes, and decorative objects [...] Features
- The single, most essential document of ancient Greek architecture
- Stunning volume printed to archival standards established by the series
- Publication coincides with a revival of scholarly interest in Neoclassicism
- Bard University exhibition on Stuart and Revett to be held in February 2007
- Older versions are still used by architects today as the source book of Greek architecture, design elements, and [...] Fields of interest
Architectural History and Theory

Type of publication
Professional book

Due October 2007


99,00 €
ISBN 978-1-56898-723-1

Jean Prouvé Oeuvre complète / Complete Works
Volume 4: 1954-1984

Jean Prouvé (1901–1984) is widely recognised as one of the most extraordinary engineers of the twentieth century. His constructions and inventions in the fields of industrial manufacturing, prefabrication, and the use of new materials like aluminum and corrugated iron as well as his design sketches are an abiding and significant influence on many architects and engineers today. The fourth volume of the complete works deals with Prouvé’s creative period from 1954 to 1984, covering 200 projects, including such major works as the Alpexpo exhibition halls in Grenoble, gas stations for Total, the pump room in Evian, curtain walls – for example for the Freie Universität (Free University) in Berlin and the Medical School of Erasmus University in Rotterdam – and his final work, the radar tower in Ouessant. From 1957 to 1970 Prouvé was also professor at the Conservatoire National des Arts et Métiers in Paris.

Features
The final volume of the complete works, eagerly awaited by specialized audiences. Written by the Prouvé specialist Peter Sulzer. With numerous color and black-and-white photographs and original plans and drawings.

Contents
Introduction - main part: catalogue of the complete works and projects by Jean Prouvé, 1954 until 1984, all the projects presented with texts, plans and photographs - appendix: information about all the materials in the archives.

Fields of interest
Architects; Industrial Design (Industriedesign); Architecture, general

Target groups
Architects, furniture designers, students, engineers

Type of publication
Professional book

Due November 2007

Worldwide

2008. Approx. 384 p. 1020 illus., 120 in color. Hardcover

99,00 €
ISBN 978-3-7643-2472-8
How Spaceships Fly

The aim of this popular science text is to explain aerodynamic flight without the use of mathematics, in an informal style, for non-technical readers who are interested in spaceflight and spacecraft. The book will open with a concise introductory chapter, chronicling the ‘space age’ up to the present, and a brief ‘forward look’ into near-future developments. Chapter 2 provides the historical context upon which the current developments in spaceflight have been built. Orbital motion will be introduced in Chapter 3, and how to get there using launch vehicles is addressed in Chapter 4. Chapters 5 and 6 look at how spacecraft are designed, and Chapter 7 addresses the additional design constraints imposed if the spacecraft has a human crew on board. Chapter 8 gives examples of current and proposed spacecraft missions, both Earth orbiting and interplanetary. Chapter 9 will look at near future manned flight developments—for example, a mission to Mars and/or space tourism. The book closes with a […]

Features
Uniquely explains spaceflight without assuming technical background on the part of the reader. Technical content is presented to readers without recourse to mathematics. Written in an approachable, informal and humorous style to appeal to a wide audience.

Contents

Fields of interest
Astronomy; Popular Science in Astronomy

Target groups
Popular Science and Space Exploration

Type of publication
Popular science

Due November 2007

GAM 04. Emerging Realities

Graz Architektur Magazine / Graz Architecture Magazine


Features
Nach dem Hype: was bleibt von der Architektur? Architekturproduktion vor dem Hintergrund gesellschaftlicher Veränderung Zukunftsperspektiven für Architekten und ihre Autonomie Mit zahlreichen Illustrationen

Fields of interest
Architectural History and Theory

Target groups
Architects, students, art historians

Type of publication
Yearbook

Due November 2007

solarCity Linz-Pichling

Nachhaltige Stadtentwicklung / Sustainable City Development

The city administration of the Linz decided to take an innovative step in the 90’s: housing had to be built for over 10.000 people, which made a large-scale city expansion necessary. Since conventional buildings consume large amounts of fossil fuel, the decision was made to pursue a purely ecological variant for the first time in a dense residential project. The core of the urban planning on the site is the work of Roland Rainer. The design of the open spaces was conceived by Atelier Dreiseitl. The international READ Group consisting of Thomas Herzog, Renzo Piano, Norman Foster, Richard Rogers and the energy planner Norbert Kaiser was responsible for the overall energy/architecture concept.

Features
Solararchitektur in den Dimensionen einer Stadterweiterung Analyse und Dokumentation eines bisher einmaligen Projektes Plan/Bilddarstellung aller Bauten

Fields of interest
Building Types and Functions

Target groups
Architekten, Stadtplaner, Gemeinden, interessierte Laien

Type of publication
Popular science

Due November 2007

M. Treberspurg, Universität für Bodenkultur, Vienna, Austria (Ed.)
Philosophy and Design

From Engineering to Architecture

This volume provides the reader with an integrated overview of state-of-the-art research in philosophy and ethics of designing in engineering and architecture. It contains twenty-five essays that focus on engineering designing in its traditional sense, on designing in novel engineering domains, including ICT, genetics, and nanotechnology, designing of socio-technical systems, and on architectural and environmental designing. These essays are preceded by an introductory text structuring the field of philosophy and ethics of design in engineering and architecture as one in which a series of similar philosophical, societal, and ethical questions are asked. This volume enables the reader to overcome the traditional separation between engineering designing and architectural designing. The emerging discipline of designing socio-technical systems is shown to form an intermediary between engineering designing and architecture to which the philosophical and ethical analyses of both domains apply. This volume thus [...] Features Provides an overview of state of the art research on philosophy and ethics of designing in both engineering and architecture. Provides an integrated account of designing in engineering and architecture. Presents a cross-fertilization between philosophical, ethical and societal analyses of engineering and architecture. In novel engineering domains, including ICT, genetics, and nanotechnology, designing of [...] Contents From the contents Introduction. Part I: Engineering Design. Part II: Emerging Engineering Design. Part III: Architectural Design. Index. Fields of interest Philosophy of Technology; Architecture, general; Engineering Design; Ethics. Target groups Faculty, PhD and Master’s students in philosophy and ethics of technology, philosophy and ethics of architecture, management of technology, management of architecture. Type of publication Contributed volume. Due October 2007

The Moral Brain

Searching the Seat of Morality in our Brain (1800–1930)

Due to novel evolutions in brain research, neuroscientists no longer fear for talking about ‘the moral brain’ nowadays. Neural circuits that are indispensable for moral and social behaviour are discovered and the brains of psychopaths and criminals - the classical anti-heroes of morality - are scanned with enthusiasm. How revolutionary this research might be, the quest for a localizable ethical centre or moral organ is far from new. The moral brain was a recurrent theme in the works of neuroscientists during nineteenth and early twentieth century. From the phrenology era to the encephalitis epidemic in the 1920s a wide range of European and American scientists (neurologists, psychiatrists, anthropologists and criminologists) speculated about and discussed the location of a genuine moral sense that could be found in the human cortex. Encouraged by medical discoveries and distressed by fearful phenomena like crime or ‘moral insanity’ even renowned neurologists such as Moritz Benedikt, Paul Flechsig, [...] Features - First book on this topic - Based on first-hand material (original medical publications in French, German, Italian and; - English) - Well-written, depth and clarity. Fields of interest History of Science; Neurosciences; Philosophy of Science; History of Medicine. Target groups Scholars who are interested in history of science, history of neurology, history of medicine, history of psychology, history of criminology. Type of publication Monograph. Due July 2008. 2008. Approx. 365 p. Hardcover. 104,95 € ISBN 978-1-4020-6321-3. The Next New World

A Visual Tour of Mars

Mars: A Visual Journey Across and Alien Landscape is essentially a picture book that provides a visual tour of Mars. All the major regions and topographical features will be shown and supplemented with chapter introductions and extended captions. In a way, think of it as a visual tourist guide. Other topics covered are Martian uplands on the order of the elevation of Mt. Everest, Giant volcanoes and a rift system, the Grand Canyon of Mars, craters and the absence of craters over large regions (erosion), and wind shadows around craters, sand dunes, and dust devils. The book concludes with the search for water (braided channels, seepage, sedimentary layering, etc.) as well as discussions on the Viking mission search for life, Mars meteorite fossil bacteria controversy, and planetary protection in future missions. Also at the end of the book is an exciting gallery of the best 3D images of Mars making the book a perfect tool for understanding Mars and its place in the solar system. Features Beautiful and exciting images that will spark the imagination Good for casual reading and motivation to learn more about this neighbour in space Excellent introduction to the geology of Mars. Contents Introduction.- Two Faces of Mars.- To Hellas and Back.- Snows of Olympus.- The Grandest Canyon.- Holeys Mars!- Water and Wind.- North and South.- Living or Not.- For a Closer Look.- Mars in 3D. Fields of interest Popular Science in Astronomy; Astronomy; Planetary science; Extraterrestrial Physics, Space Sciences; Space Exploration and Astronautics. Target groups General interest readers, readers of popular science and science fiction, space science enthusiasts, planetary scientists, space travel advocates. Type of publication Popular science. Due March 2008. 2008. Approx. 130 p. Hardcover. 26,95 € ISBN 978-0-387-75467-3.
Solar Sails
A Novel Approach to Interplanetary Travel

Solar sailing is a topic of growing popular and media interest. Solar sail propulsion will make space exploration more affordable and offer access to destinations within (and beyond) the solar system that are currently beyond our reach. This book describes solar sails, how they work and what they will be used for in the exploration of space in an easily readable manner which does not necessitate any prior knowledge of physics or solar sailing. It discusses current plans for solar sails and also describes how advanced technology, such as nanotechnology, might enhance solar-sail performance. Much has been accomplished recently to make solar sail technology very close to becoming an engineering reality and it will soon be used by the world’s space agencies in the exploration of the solar system and beyond. The book has four parts, each with multiple chapters which, in turn, contain some references and suggested further reading. Parts 1 - 3 are non-mathematical, while Part 4 contains more detailed [..]

Features
A popular description of solar sails, how they work and what they will be used for in the exploration of space Discusses current plans for solar sails and projections up to the medium term Describes how advanced technology, such as nanotechnology, can be applied to enhance the solar sail performance Shows how solar sail propulsion will make space exploration more affordable Demonstrates how access to [..]

Contents

Fields of interest
Popular Science in Mathematics/Natural Science/Technology; Space Exploration and Astronautics; Extraterrestrial Physics; Space Sciences; Astronomy; Astrophysics and Cosmology

Target groups
Popular science and space enthusiasts

Type of publication
Popular science

Due February 2008

Creative Industries Switzerland
Facts – Models – Culture

Policy makers at all levels are discovering the notion of creative industries: the music industry, literature and book market, art market, film and television industries, performing arts, design, architecture, advertising, software / computer games - from economic and innovation strategies to education policy and urban development, the creative industries are being described as a model for success. However, strategies for real, practical implementation remain vague. This publication provides a greatly needed overview of the concepts and specific characteristics of this sector. It analyzes the international discourse, presents up-to-date empirical-statistical Europe-wide analyses, derives models and draws conclusions for the current debate in Switzerland, and places special emphasis on the innovative potential of the creative scene and its dynamics for the entire creative industry.

Features
Includes the latest data on the creative industries in Switzerland in comparison to Europe Model-based approaches facilitate the development of strategic action plans Specific analysis of the creative scene points out its driving function for all branches of the creative industry

Contents
Introduction. - Global analysis of the debate. - Consequences for the discussion on the creative industries in Switzerland. - Empirical portrait of Switzerland and international comparison. - The creative culture as driver of the creative industries. - Recommendations for action.

Fields of interest
Design, general (Design, allgemein); Cities, Countries, Regions

Target groups
Politicians (education, industries, culture), creative industries professionals, representatives of sectors, academics

Type of publication
Professional book

Due October 2007

2007. Approx. 160 p. 20 illus. Hardcover

49,90 €
ISBN 978-3-7643-7973-5

Duisburg-Nord Landscape Park in Germany, the Plateau de Kirchberg in Luxembourg, Parco Dora in Turin, Italy and numerous other projects designed and built by Peter Latz and Partners stand as examples of an up-to-date and intelligent approach to alternative environmental technologies and the reclamation of extensive industrial landscapes. In Peter Latz’s landscape architecture, ecological and social concerns are translated into an individual aesthetic language that aims to achieve a timeless quality. The different layers and meanings of the sites rich in history are revealed and woven into networks of spatial and temporal relationships that follow rules of their own – the syntax of landscape. A sense of process and dynamism in sustainable landscape structures characterises the works, works that are open for change: they are spaces in development, not parks as finite set pieces Peter Latz teaches at the Technische Universität (Technical University) in Munich-Weihenstephan and has held guest [..]

Features
Collaborations with Norman Foster, Thomas Herzog, Otto Steidle and others Indispensable for a deeper understanding of present-day landscape design By renowned author on landscape architecture Udo Weilacher

Contents
1. Landscape architecture as cultural valorization. - 2. Layers of information. How does landscape work?. - 3. Dealing with “bad places”. - 4. Landscape Design as experimental invention. - Main Projects: Latz gardens, Ampertschaunen, Germany - Marlborough University Hospital, Lahnberge, Germany - Ulm Science City - Plateau de Kirchberg, Luxembourg European City - Saarbrucken Harbour Island, Germany. - Duisburg Nord Landscape Park, Germany. - Parco Dora, Turin, Italy - Hiriy Landfill Reclamation Park, Tel Aviv, Italy.

Fields of interest
Landscape Architecture; Building Types and Functions; Urbanism

Target groups
Architects, landscape architects, public building sponsors, horticulturists, and landscape gardeners

Type of publication
Professional book

Due October 2007

2008. 200 p. 300 illus., 250 in color. Hardcover

69,90 €
ISBN 978-3-7643-7615-4

Syntax of Landscape
The Landscape Architecture of Peter Latz and Partners

Syntax of Landscape
Language that aims to achieve a timeless quality. The different layers and meanings of the sites rich in history are revealed and woven into networks of spatial and temporal relationships that follow rules of their own – the syntax of landscape. A sense of process and dynamism in sustainable landscape structures characterises the works, works that are open for change: they are spaces in development, not parks as finite set pieces Peter Latz teaches at the Technische Universität (Technical University) in Munich-Weihenstephan and has held guest [..]
Brain, Mind and Medicine
Neuroscience in the 18th Century

There have been no books published on neuroscience in the eighteenth century. Yet this was an important time, with science and medicine in transition. On the one hand, there were wildly speculative theories about the nervous system, many based on Newtonian mechanics and fanciful chemistry. But on the other, this was also a time when empirical research with quantification and experimentation was coming of age. This volume examines the eighteenth-century neuroscience milieu and looks at developments in anatomy, physiology, and medicine that highlight this era, which some people have called the Age of Reason and others the Enlightenment. The book covers such things as the aims of the scientific and medical Enlightenment, how neuroscience adopted electricity as the nerve force, how disorders such as aphasia and hysteria were treated, messmerism, and how some of the latest ideas made their way into the culture of the day.

Features
Only volume dedicated to all aspects of 18th century neuroscience

Contents

Fields of interest
Neurosciences; History of Science; History of Medicine

Target groups
Scholars and students in the area of history of medicine; neuroscientists, neurologists, clinicians in neuroscience, medical libraries, physicians, and eighteenth-century historians

Type of publication
Contributed volume

Due October 2007

Spatial Planning for a Sustainable Singapore

The book is intended to be a landmark publication to showcase Singapore academics’ and practitioners’ work and thinking in the globalisation age. The book takes a reflective approach in reviewing the direction, impact and significance of sustainable development in Singapore planning and the future challenges facing the city-state looked upon by many developing countries as a ‘model’. The book analyses and provides an insight to Singapore’s planning system and practices associated with sustainable development. It contributes and produces an impact on urban planning literature in a renewed perspective about Singapore that reflects the reality and need to address sustainability in the triangular relationship of economic, environmental and social developments.

Contents

Fields of interest
Landscape/Regional and Municipal Planning; Urbanism; Nature Conservation; Cities, Countries, Regions

Target groups
University libraries, students and government agencies with an interest in understanding the rationale of policy formation, planning system and its implementation in Singapore

Type of publication
Monograph

Due March 2008


89,95 €

Reconstruction Designs of Lost Ancient Chinese Machinery

This book presents an innovative approach for the reconstruction design of lost ancient Chinese machinery. By combining the creative mechanism design methodology with the mechanical evolution and variation theory, all feasible and appropriate designs that are consistent with the science theories and techniques of the subject’s time period can be systematically recreated. South pointing chariots, walking machines (the wooden horse carriage and the wooden cow and gliding horse), the seismograph, and the astronomical mechanical clock, are used as illustrated examples. The cultural, scientific, and technological backgrounds of these achievements are explained. Before new literature and/or hardware evidences are found, this work provides a novel direction and a unique tool for studying the lost machinery in ancient China and around the world. Furthermore, after reacquaintance with invaluable ancient wisdom, we anticipate stimulating innovative machinery for our future.

Features
The first book of its kind, with a totally unique approach to both ancient and future machinery

Contents
Preface; 01 Introduction; 01.01 Study of Ancient Machines; 01.02 Classifications of Ancient Chinese Machines; 01.02.01 Classifications based on applications; 01.02.02 Classifications based on historical archives; 01.03 Reconstruction Design of Ancient Machines; 01.03.01 Study of the mechanical systems; 01.03.02 Reconstruction analysis; 01.03.03 Reconstruction synthesis; 01.04 Scope of the Text; References; 02 Mechanism and Machine; 02.01 Definitions; 02.02 Mechanical Members; 02.03 Joints; 02.04 Mechanisms and (Link-) Chains; 02.05 Constrained Motion; 02.05.01 Planar mechanisms; 02.05.02 [..]

Fields of interest
Machinery and Machine Elements; History of Science; Mechanical Engineering

Target groups
Scholars and students in the area of history of mechanical engineering

Type of publication
Monograph

Due October 2007
**Dietrich|Untertrifaller**


**Features**
- Design, Architektur, Städtebau – etwa 40 neue realisierte Projekte mit Texten von Walter Zschokke und Robert Fabach Schließt inhaltlich an die 2001 erschienene Monographie an
- Monographie über einen neuen Büroanbau von Rüdiger Lainer Spannung in Material und Form
- Zahlreiche Abbildungen von Margherita Spiliotti und Gert Walden illustriert.

**Contents**
- Projekt auswahl: Wiener Stadthalle – Neubau Halle F, Festspielhaus und Kongresshaus, Bregenz (Bauphase 1); Generalplanierung Festspielhaus, Bregenz (Bauphase 2); ETHZ Sport Center HPS, Zürich – Hönggerberg; Inatura – Erlebnis Naturschau; Feuerwehr und Bergrettungshaus, Mellau; Kindergarten Egg, arlberg.well.com, St. Anton; VKW Areal – Landschaftsplanung, Bregenz; VKW Areal – Hochregallager, Mehrzweckhalle, Umspannwerk, Bregenz; VKW Areal – Krafthaus, Bregenz; Eurospar, Supermarkt, Bregenz; Am Hafen, Wohnbau, Bregenz; Ulmer Areal, Wohnbau, Bregenz; Velag Areal, Wohnbau, Bregenz; REKA [...] 
- Fields of interest
- Architektur
- Target groups
- Architects, students, interested laymen
- Type of publication
- Monograph

**Due November 2007**

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2008. Etwa 300 S. Mit zahlr. farb. Abb Softcover

**46,68 €**
ISBN 978-3-211-71529-1

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**Into the Solar System on a String**

**Space Tethers and Space Elevators**

This detailed account of the possibilities of tethers in space, from very practical applications to (near) science fiction, gives an overview of the past, present and future of space tether development and presents the various concepts, ranging from those feasible in the near future to extremely innovative and challenging ideas. It shows how space tethers have already been used to stabilize spacecraft using tidal forces and to generate artificial gravity using a spinning system with a spacecraft connected to a counterweight via a cable. Tethers can also generate electricity by dragging spacecraft through the Earth’s magnetosphere, as was attempted with partial success during two Space Shuttle missions. Using electrodynamical forces, conductive tethers can also accelerate or brake a spacecraft. Probably the most exciting tether concept is the space elevator, consisting of an incredibly strong long cable that stretches from the Earth’s surface into space. Solar powered ‘climber’ machines, which are [...] 

**Features**
- Explains the principle of space tethers: what they are and how they can be used in space
- Gives an overview of the past, present and future of space tether development
- Presents the various concepts of space tethers from the feasible to the innovative and challenging
- Describes the technological challenges, potential benefits and feasibility of space tethers

**Contents**
- Preface
- Introduction
- Limits to Rocket Propulsion
- New Materials and Space Tethers
- Early Experiments
- Into Space
- Generating Electrical Power
- Into the Solar System
- Technological Challenges
- Conclusion
- Glossary
- Bibliography
- Books and Reports
- Papers, articles and presentations
- Webpages

**Fields of interest**
- Popular Science in Astronomy; Astronomy; Extraterrestrial Physics, Space Sciences; Space Exploration and Astronautics

**Target groups**
- Popular science and space exploration enthusiasts

**Type of publication**
- Popular science

**Due April 2008**

2008. Approx. 300 p. 60 illus. Hardcover

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