Labor in a Globalizing City
Economic Restructuring in São Paulo, Brazil
The extraordinary stories of low-income women living in São Paulo, industrial case studies and the details of three squatter settlements, and communities in the periphery researched in Simone Buechler’s book, Labor in a Globalizing City, allow us to better understand the period of economic transformation in São Paulo from 1996 to 2003. Buechler’s in-depth ethnographic research over a period of 17 years include interviews with a variety of social actors ranging from favela inhabitants to Wall Street bankers.

Features
► The book challenges several of the on-going theories and received notions about industrial restructuring, globalization and labor ► Other similar books do not have a focus on the impact of economic globalization on labor ► The book provides a unique, in-depth look at the city of São Paulo and its workers and inhabitants

Contents

Fields of interest
Economic Geography; Emerging Markets/Globalization; Labor Economics

Target groups
Research

Product category
Monograph

D. Burghardt, Institute of Cartography, Dresden, Germany; C. Duchêne, IGN COGIT laboratory, Saint-Mande, France; W. Mackaness, School of GeoSciences, Edinburgh, UK (Eds)

Abstracting Geographic Information in a Data Rich World
Methodologies and Applications of Map Generalisation
Research in the field of automated generalisation has faced new challenges in recent years as a result of technological developments in web-based processing, new visualisation paradigms and access to very large volumes of multi-source data generated by sensors and humans.

Features
► Delivers an extensive compendium of current research and development work in the field of automated generalisation ► Employs a sequence of core chapters to match the different phases of the generalisation process ► Offers a chapter on the practical usage of automated generalisation with commercial production systems and open-source systems

Contents

Field of interest
Geographical Information Systems/Cartography

Target groups
Research

Product category
Monograph

D. Czamanski, Technion-Israel Institute of Technology, Haifa, Israel; I. Benenson, Tel-Aviv University, Tel Aviv, Israel; D. Malkinson, University of Haifa, Haifa, Israel (Eds)

Modeling of Land-Use and Ecological Dynamics
Features
► Wide spectrum of empirically confirmed models of land-use dynamics ► Approach to landscape modeling that integrates urban, agriculture and open space dynamics ► Presents landscape phenomena as self-organizing and emerging consequences of human activities

Contents

Fields of interest
Landscape/Regional and Urban Planning; Regional/Spatial Science; Nature Conservation

Target groups
Research

Product category
Contributed volume
New Series
Springer Remote Sensing/Photogrammetry

The Springer Remote Sensing/Photogrammetry series seeks to publish a broad portfolio of scientific books, aiming at researchers, students, and everyone interested in the broad field of geospatial science and technologies. The series includes peer-reviewed monographs, edited volumes, textbooks, and conference proceedings. It covers the entire area of Remote Sensing, including, but not limited to, satellite imagery, global positioning systems, archaeological investigations, and geomorphological surveying.

Biophysical Applications of Satellite Remote Sensing

A variety of biophysical applications (e.g., leaf area index and evapotranspiration) have been derived from using remote sensing methods, as for example from NASA’s MODIS sensors and other satellite platforms. In Biophysical applications of satellite remote sensing the authors thoroughly describe the major applications of satellite remote sensing for studying earth’s biophysical phenomena.

Features
► Contains basic introductory and historical overviews of biophysical applications in satellite remote sensing
► Contains a comprehensive synthesis of the major biophysical applications of satellite remote sensing
► Provides in-depth discussions of satellite-derived biophysical metrics with an emphasis on theory, methodology, validation, major findings, and directions of future research

Contents
An introduction to measuring biophysical activity using satellite remote sensing.
History of the biophysical applications of satellite remote sensing.
Indices of vegetation activity.
Leaf area and the fraction of photosynthetically active radiation absorbed by vegetation.
Vegetation phenology of the land surface.
Land cover change.
Terrestrial gross and net primary production.
Atmosphere-biosphere exchange of carbon dioxide.
Chlorophyll content in the oceans.
Oceanic net primary production.

Fields of interest
Remote Sensing/Photogrammetry; Biophysics and Biological Physics; Environment, general

Target groups
Research

Product category
Monograph

Biophysical Applications of Satellite Remote Sensing
J. Hanes, Northern Michigan University, Marquette, USA (Ed)

GNSS Remote Sensing
Theory, Methods and Applications

The versatile and available GNSS signals can detect the Earth’s surface environments as a new, highly precise, continuous, all-weather and near-real-time remote sensing tool. This book presents the theory and methods of GNSS remote sensing as well as its applications in the atmosphere, oceans, land and hydrology. Ground-based atmospheric sensing, space-borne atmospheric sensing, reflectometry, ocean remote sensing, hydrology sensing as well as cryosphere sensing with the GNSS will be discussed per chapter in the book.

Features
► Contains detailed theory and study cases to help the reader put the material into practice
► Contains a special chapter on next generation GNSS-RS, which is as seen as the future in GNSS
► Describes new potentials as well as advantages that complement existing techniques

Contents
Introduction to GNSS.
Atmospheric delays and Multipath.
Ground-based GNSS Atmospheric Sensing.
Space-borne GNSS Atmospheric Sensing.
GNSS Reflectometry.
GNSS Ocean Remote Sensing.
GNSS Hydrology Sensing.
GNSS Cryosphere Sensing.

Fields of interest
Remote Sensing/Photogrammetry; Geophysics/Geodesy; Atmospheric Sciences

Target groups
Research

Product category
Monograph

GNSS Remote Sensing
S. Jin, Chinese Academy of Sciences, Shanghai, China, People’s Republic; E. Cardellach, Institut d’Estudis Espacials de Catalunya (ICE/IEEC-CSIC), Barcelona, Spain; F. Xie, Texas A&M University-Corpus Christi, Corpus Christi, TX, USA

Due October 2013
► * € (D) 139,09 | € (A) 142,99 | sFr 173,50
► € 129,99 | £117.00
ISBN 978-94-007-7481-0

Due December 2013
2014. 250 p. 80 illus. in color. (Springer Remote Sensing/Photogrammetry) Hardcover
► approx. * € (D) 106,95 | € (A) 109,95 | sFr 133,50
► approx. € 99,95 | £90.00
ISBN 978-3-642-25046-0
F. Major, Severna Park, MD, USA

Quo Vadis: Evolution of Modern Navigation
The Rise of Quantum Techniques

Quo Vadis: Evolution of Modern Navigation presents an intelligent and intelligible account of the essential principles underlying the design of satellite navigational systems—with introductory chapters placing them in context with the early development of navigational methods.

Features
► Provides a broad range of topics relevant to navigation and geographic position-finding, in an intuitive manner with minimum mathematical formalism ► Presents the progress of navigation throughout history, which enhances the understanding of the main technical challenges to be solved going forward ► Inclusive of extensive GPS technology coverage including receivers and applications

Contents

Fields of interest
Geographical Information Systems/Cartography; Remote Sensing/Photogrammetry; Aerospace Technology and Astronautics

Target groups
Professional/practitioner

Product category
Monograph

Due October 2013
2014. XIV, 310 p. 169 illus., 4 in color. Hardcover
► * € (D) 139,09 | € (A) 142,99 | sFr 173,50
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ISBN 978-1-4614-8671-8

E. Schönherr, S. Rau, Universität Erfurt
Philosophische Fakultät, Erfurt, Germany (Eds)

Mapping Spatial Relations,
their Perceptions and Dynamics
The City Today and in the Past

This book is the product of an eponymous workshop, which took place in Erfurt in May, 2012, and which has since then been supplemented with four further contributions. The topics focus on the potential mapping of perceived urban space and spatial hierarchies as a consequence of social usage (undertaken by a variety of active participants) together with spatio-temporal changes as a result of factors such as demographic urban growth and decline. Historians, cartographers and geographers are brought together to present and discuss different models, ideas and new methods of spatial analysis and modes of representing changes in perceptions. The two main subjects are: the epistemology of spatial change and the question of (historical) media and adequate presentation. This work represents a first step toward the development of a new model for mapping urban changes and spatial relations concerning the past, present and future.

Features
► Interdisciplinary approaches of historians working with charts, cartographers, geographers and computer scientists ► Presentation of different methods of collecting urban historical data and the cartographic analysis of such data ► Stimulates future cooperation between the above mentioned disciplines

Contents
Maps and Technology.- Lyon and Barcelona – two Case-Studies.- Mapping Humanities.- Comment.

Field of interest
Geographical Information Systems/Cartography

Target groups
Research

Product category
Monograph

Due December 2013
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