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Creating Value with Big Data Analytics - Peter C. Verhoef 2016-01-08
Our newly digital world is generating an almost

unimaginable amount of data about all of us. Such a vast amount of data is useless without plans and strategies that are designed to cope

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with its size and complexity, and which enable organisations to leverage the information to create value. This book is a refreshingly practical, yet theoretically sound roadmap to leveraging big data and analytics. *Creating Value with Big Data Analytics* provides a nuanced view of big data development, arguing that big data in itself is not a revolution but an evolution of the increasing availability of data that has been observed in recent times. Building on the authors' extensive academic and practical knowledge, this book aims to provide managers and analysts with strategic directions and practical analytical solutions on how to create value from existing and new big data. By tying data and analytics to specific goals and processes for implementation, this is a much-needed book that will be essential reading for students and specialists of data analytics, marketing research, and customer relationship management.

The Cambridge Handbook of Pragmatics -

Keith Allan 2012-01-12

Pragmatics is the study of human communication: the choices speakers make to express their intended meaning and the kinds of inferences that hearers draw from an utterance in the context of its use. This Handbook surveys pragmatics from different perspectives, presenting the main theories in pragmatic research, incorporating seminal research as well as cutting-edge solutions. It addresses questions of rational and empirical research methods, what counts as an adequate and successful pragmatic theory, and how to go about answering problems raised in pragmatic theory. In the fast-developing field of pragmatics, this Handbook fills the gap in the market for a one-stop resource to the wide scope of today's research and the intricacy of the many theoretical debates. It is an authoritative guide for graduate students and researchers with its focus on the areas and theories that will mark progress in pragmatic research in the future.

Internal Crowdsourcing in Companies - Hannah Ulbrich 2020-12-07

This open access book examines the implications of internal crowdsourcing (IC) in companies. Presenting an employee-oriented, cross-sector reference model for good IC practice, it discusses the core theoretical foundations, and offers guidelines for process-management and blueprints for the implementation of IC. Furthermore, it examines solutions for employee training and competence development based on crowdsourcing. As such, the book will appeal to scholars of management science, work studies, organizational and participation research and to readers interested in inclusive approaches for cooperative change management and the IT implications for IC platforms.

The International Handbook of Political Ecology - Raymond L Bryant 2015-08-28

The International Handbook of Political Ecology features chapters by leading scholars from around the world in a unique collection

exploring the multi-disciplinary field of political ecology. This landmark volume canvasses key developments, topics, issues

[Why Love Matters](#) - Sue Gerhardt 2014-10-24

Why Love Matters explains why loving relationships are essential to brain development in the early years, and how these early interactions can have lasting consequences for future emotional and physical health. This second edition follows on from the success of the first, updating the scientific research, covering recent findings in genetics and the mind/body connection, and including a new chapter highlighting our growing understanding of the part also played by pregnancy in shaping a baby's future emotional and physical well-being. The author focuses in particular on the wide-ranging effects of early stress on a baby or toddler's developing nervous system. When things go wrong with relationships in early life, the dependent child has to adapt; what we now know is that his or her brain adapts too. The

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brain's emotion and immune systems are particularly affected by early stress and can become less effective. This makes the child more vulnerable to a range of later difficulties such as depression, anti-social behaviour, addictions or anorexia, as well as physical illness.

Improving Real-time Train Dispatching Andrea D'Ariano 2008

Hub Exchange Operations in Intermodal

Hub-and-spoke Operations - Yvonne

Margaretha Bontekoning 2006

GATEWAY TO ENGINEERING, 2E helps

students build a solid foundation in technological literacy as they study engineering-related careers and educational pathways. This book introduces middle school students to the process of design, the importance of engineering graphics, and applications of electricity and electronics, mechanics, energy, communications, automation/robotics, manufacturing processes, and control systems/computer programming.

The vibrant four-color design and plentiful images make it especially appealing to middle school students, while the text's strong engineering flavor and alignment with national Standards for Technological Literacy make it the perfect tool for mastering Project Lead the Way's® Gateway to Technology curriculum. It also includes a revised chapter featuring sustainable architecture, enhanced coverage of green technology, and new CourseMate interactive learning tools.

Local Government in the European Union -

Marius Guderjan 2022-10-02

This book addresses the 'bigger picture' of local-European relations and adds a new dimension to existing studies on multilevel governance and the Europeanisation of local government. Drawing from a combination of European integration theories and operational approaches, it introduces the idea of an integration cycle in which local government responds to the top-down impact of the EU internally, horizontally

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and vertically. This volume presents a wide range of empirical examples to demonstrate how local authorities across Europe have changed their practices, orientation and preferences, and adapted their institutions and organisation. Not only do cities, towns and counties cooperate with each other across borders and through transnational networks and partnerships, but by mobilising formally and informally, local actors participate in and influence European governance and contribute to the future trajectories of European integration, thereby completing the integration cycle.

Sustainable Development Practices Using Geoinformatics - Varun Narayan Mishra
2020-10-22

This exciting new volume will provide a comprehensive overview of the applications of geoinformatics technology for engineers, scientists, and students to become more productive, more aware, and more responsive to global climate change issues and how to manage

sustainable development of Earth's resources. Over the last few years, the stress on natural resources has increased enormously due to anthropogenic activities especially through urbanization and industrialization processes. Sustainable development while protecting the Earth's environment involves the best possible management of natural resources, subject to the availability of reliable, accurate and timely information on regional and global scales. There is an increasing demand for an interdisciplinary approach and sound knowledge on each specific resource, as well as on the ecological and socio-economic perspectives related to their use. Geoinformatics, including Remote Sensing (RS), Geographical Information System (GIS), and Global Positioning System (GPS), is a groundbreaking and advanced technology for acquiring information required for natural resource management and addressing the concerns related to sustainable development. It offers a powerful and proficient tool for

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mapping, monitoring, modeling, and management of natural resources. There is, however, a lack of studies in understanding the core science and research elements of geoinformatics, as well as larger issues of scaling to use geoinformatics in sustainable development and management practices of natural resources. There is also a fundamental gap between the theoretical concepts and the operational use of these advance techniques. Sustainable Development Practices Using Geoinformatics, written by well-known academicians, experts and researchers provides answers to these problems, offering the engineer, scientist, or student the most thorough, comprehensive, and practical coverage of this subject available today, a must-have for any library.

Joint Cognitive Systems - Erik Hollnagel
2005-02-28

Nothing has been more prolific over the past century than human/machine interaction.

Automobiles, telephones, computers, manufacturing machines, robots, office equipment, machines large and small; all affect the very essence of our daily lives. However, this interaction has not always been efficient or easy and has at times turned fairly hazardous.

Non-Surgical Treatment of Keratinocyte Skin Cancer - Gregor Jemec 2009-10-13

Books mark the progress of Man since they were invented. Through them we are able to gain insight into the minds of our predecessors better than through any other medium. They describe how the delicate interplay between practice and ideal, which is better known as evolution, has brought forward the societies in which we now live. A book marks the synthesis of knowledge in a different way from individual papers. A certain maturity and volume of understanding and knowledge is necessary before the material is suitable for a book. The timing of the cognitive and analytical synthesis represented by a book is therefore crucial; too soon and it is lost in

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speculation, too late and it is old news. Non-melanoma skin cancer is common; it causes morbidity, it causes a burden on society, and treatment has been traditionally almost exclusively surgical. Decades of medical science have however now brought forward a number of techniques which may help both the diagnosis and treatment of skin cancer without physically removing it, either alone or in combination in treatment programs tailored to the individual patients.

Principles and Methods in Landscape

Ecology - Almo Farina 2008-01-22

Landscape ecology is an integrative and multi-disciplinary science and Principles and Methods in Landscape Ecology reconciles the geological, botanical, zoological and human perspectives. In particular, new paradigms and theories such as percolation, metapopulation, hierarchies, source-sink models have been integrated in this last edition with the recent theories on bio-complexity, information and cognitive sciences.

Methods for studying landscape ecology are covered including spatial geometry models and remote sensing in order to create confidence toward techniques and approaches that require a high experience and long-time dedication. Principles and Methods in Landscape Ecology is a textbook useful to present the landscape in a multi-vision perspective for undergraduate and graduate students of biology, ecology, geography, forestry, agronomy, landscape architecture and planning. Sociology, economics, history, archaeology, anthropology, ecological psychology are some sciences that can benefit of the holistic vision offered by this textbook.

Impedance Sensors for Fast Multiphase Flow Measurement and Imaging - Marco Jose Da Silva 2008

Introduction to Space Syntax in Urban Studies
Akkelies van Nes 2021-07-31

This open access textbook is a comprehensive introduction to space syntax method and theory

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for graduate students and researchers. It provides a step-by-step approach for its application in urban planning and design. This textbook aims to increase the accessibility of the space syntax method for the first time to all graduate students and researchers who are dealing with the built environment, such as those in the field of architecture, urban design and planning, urban sociology, urban geography, archaeology, road engineering, and environmental psychology. Taking a didactical approach, the authors have structured each chapter to explain key concepts and show practical examples followed by underlying theory and provided exercises to facilitate learning in each chapter. The textbook gradually eases the reader into the fundamental concepts and leads them towards complex theories and applications. In summary, the general competencies gain after reading this book are: - to understand, explain, and discuss space syntax as a method and theory; - be capable of

undertaking various space syntax analyses such as axial analysis, segment analysis, point depth analysis, or visibility analysis; - be able to apply space syntax for urban research and design practice; - be able to interpret and evaluate space syntax analysis results and embed these in a wider context; - be capable of producing new original work using space syntax. This holistic textbook functions as compulsory literature for spatial analysis courses where space syntax is part of the methods taught. Likewise, this space syntax book is useful for graduate students and researchers who want to do self-study.

Furthermore, the book provides readers with the fundamental knowledge to understand and critically reflect on existing literature using space syntax.

Urban Chi na - World Bank 2014-07-29

In the last 30 years, China's record economic growth lifted half a billion people out of poverty, with rapid urbanization providing abundant labor, cheap land, and good infrastructure.

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While China has avoided some of the common ills of urbanization, strains are showing as inefficient land development leads to urban sprawl and ghost towns, pollution threatens people's health, and farmland and water resources are becoming scarce. With China's urban population projected to rise to about one billion - or close to 70 percent of the country's population - by 2030, China's leaders are seeking a more coordinated urbanization process. Urban China is a joint research report by a team from the World Bank and the Development Research Center of China's State Council which was established to address the challenges and opportunities of urbanization in China and to help China forge a new model of urbanization. The report takes as its point of departure the conviction that China's urbanization can become more efficient, inclusive, and sustainable. However, it stresses that achieving this vision will require strong support from both government and the markets

for policy reforms in a number of areas. The report proposes six main areas for reform: first, amending land management institutions to foster more efficient land use, denser cities, modernized agriculture, and more equitable wealth distribution; second, adjusting the hukou household registration system to increase labor mobility and provide urban migrant workers equal access to a common standard of public services; third, placing urban finances on a more sustainable footing while fostering financial discipline among local governments; fourth, improving urban planning to enhance connectivity and encourage scale and agglomeration economies; fifth, reducing environmental pressures through more efficient resource management; and sixth, improving governance at the local level.

Reliability and Statistics in Transportation and Communication - Igor Kabashkin 2019-03-09

This book reports on cutting-edge theories and methods for analyzing complex systems, such as

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transportation and communication networks and discusses multi-disciplinary approaches to dependability problems encountered when dealing with complex systems in practice. The book presents the most noteworthy methods and results discussed at the International Conference on Reliability and Statistics in Transportation and Communication (RelStat), which took place in Riga, Latvia on October 17 - 20, 2018. It spans a broad spectrum of topics, from mathematical models and design methodologies, to software engineering, data security and financial issues, as well as practical problems in technical systems, such as transportation and telecommunications, and in engineering education.

Carbon Dioxide Capture and Storage - IPCC 2005-12-19

IPCC Report on sources, capture, transport, and storage of CO₂, for researchers, policy-makers and engineers.

Out of Office - Hilde Therese Remøy 2010

Sustainable Directions in Tourism - Tomás F. Espino-Rodríguez 2019-11-21

Within the framework of tourism companies and tourist destinations, the question of sustainability is gaining importance. Tourists are increasingly aware of the importance of sustainability criteria, awarding greater value to sustainable destinations. Sustainability refers to a wide range of aspects related to climate change, the economic organization of tourism, social values or questions, job creation, and the necessary protection of the culture of destinations and the environment. Therefore, there is a need for studies that consider these aspects in order to achieve the sustainable development of tourist destinations.

Fundamental to this is discovering to what degree tourism companies and destinations approach these questions in the strategies they use to deal with problems stemming from their attempts to be more sustainable. Conceptual papers and empirical research on the economic,

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social, cultural, and environmental aspects related to tourism companies and destinations are welcome. Studies that analyze how these questions and the concept of sustainability are included in tourism companies and destinations are necessary in these modern times. This book was established for these reasons, dedicated to examining sustainability in tourism. The papers included in this Special Issue can help us to determine the new directions being addressed in the research on sustainability tourism.

European-Russian Space Cooperation Brian Harvey 2021-04-10

The story of European-Russian collaboration in space is little known and its importance all too often understated. Because France was the principal interlocutor between these nations, such cooperation did not receive the attention it deserved in English-language literature. This book rectifies that history, showing how Russia and Europe forged a successful partnership that has continued to the present day. Space writer

Brian Harvey provides an in-depth picture of how this European-Russian relationship evolved and what factors—scientific, political and industrial—propelled it over the decades. The history begins in the cold war period with the first collaborative ventures between the Soviet Union and European countries, primarily France, followed later by Germany and other European countries. Next, the chapters turn to the missions when European astronauts flew to Russian space stations, the Soyuz rocket made a new home in European territory in the South American jungle and science missions were flown to study deep space. Their climax is the joint mission to explore Mars, called ExoMars, which has already sent a mission to Mars. Through this close examination of these European-Russian efforts, readers will appreciate an altogether new perspective on the history of space exploration, no longer defined by competition, but rather by collaboration and cooperation.

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Textbook of Plastic and Reconstructive Surgery - Deepak K. Kalaskar 2016-08-02

Written by experts from London's renowned Royal Free Hospital, Textbook of Plastic and Reconstructive Surgery offers a comprehensive overview of the vast topic of reconstructive plastic surgery and its various subspecialties for introductory plastic surgery and surgical science courses. The book comprises five sections covering the fundamental principles of plastic surgery, cancer, burns and trauma, paediatric plastic surgery and aesthetic surgery, and covers the breadth of knowledge that students need to further their career in this exciting field. Additional coverage of areas in which reconstructive surgery techniques are called upon includes abdominal wall reconstruction, ear reconstruction and genital reconstruction. A chapter on aesthetic surgery includes facial aesthetic surgery and blepharoplasty, aesthetic breast surgery, body contouring and the evolution of hair transplantation. The broad

scope of this volume and attention to often neglected specialisms such as military plastic surgery make this a unique contribution to the field. Heavily illustrated throughout, Textbook of Plastic and Reconstructive Surgery is essential reading for anyone interested in furthering their knowledge of this exciting field. This book was produced as part of JISC's Institution as e-Textbook Publisher project. Find out more at <https://www.jisc.ac.uk/rd/projects/institution-as-e-textbook-publisher>

Amphibian Conservation Rebecca K. Smith
2014-05-16

Amphibian Conservation is the fourth in the series of Synopses of Conservation Evidence, linked to the online resource www.ConservationEvidence.com. This synopsis is part of the Conservation Evidence project and provides a useful resource for conservationists. It forms part of a series designed to promote a more evidence-based approach to biodiversity conservation. Others in the series include bee,

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bird, farmland and bat conservation and many others are in preparation. Approximately 32% of the 7,164+ amphibian species are currently threatened with extinction and at least 43% of species are declining. Despite this, until recently amphibians and their conservation had received little attention. Although work is now being carried out to conserve many species, often it is not adequately documented. This book brings together and summarises the available scientific evidence and experience relevant to the practical conservation of amphibians. The authors consulted an international group of amphibian experts and conservationists to produce a thorough summary of what is known, or not known, about the effectiveness of amphibian conservation actions across the world. "The book is packed with literature summaries and citations; a veritable information goldmine for graduate students and researchers. It also admirably provides decision makers with a well-researched resource of proven

interventions that can be employed to stem/reverse the decline of amphibian populations." -John G Palis, Bulletin of the Chicago Herpetological Society
Advances in the Sociology of Trust and Cooperation - Vincent Buskens 2020-10-26
The problem of cooperation is one of the core issues in sociology and social science more in general. The key question is how humans, groups, organizations, institutions, and countries can avoid or overcome the collective good dilemmas that could lead to a Hobbesian "war of all against all". The chapters in this book provide state of the art examples of research on this crucial topic. These include theoretical, laboratory, and field studies on trust and cooperation, thereby approaching the issue in three complementary and synergetic ways. The theoretical work covers articles on trust and control, reputation formation, and paradigmatic articles on the benefits and caveats of abstracting reality into models. The laboratory

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studies test the implications of different models of trust and reputation, such as the effects of social and institutional embeddedness and the potentially emerging inequalities this may cause. The field studies test these implications in applied settings such as business purchasing and supply, informal care, and different kinds of collaboration networks. This book is exemplary for rigorous social science. The focus is on effects of social conditions, in particular different forms of social and institutional embeddedness, on social outcomes at the macro level. Modelling efforts are applied to connect social conditions to social outcomes through micro-level behavior in ways that are easily overlooked when argumentation is intuitive and impressionistic. The book sets forth a mixed-method approach by applying different empirical methods to test hypotheses about similar questions. Several contributions re-evaluate the theoretical strengths and weaknesses following from the laboratory and field studies. Improving

the theory in light of these findings facilitates pushing the boundaries of social science .

Multi-agent Look-ahead Traffic-adaptive Control
- Ronald Theodoor Katwijk 2008

GaN Transistors for Efficient Power Conversion - Alex Lidow 2019-08-23

An up-to-date, practical guide on upgrading from silicon to GaN, and how to use GaN transistors in power conversion systems design This updated, third edition of a popular book on GaN transistors for efficient power conversion has been substantially expanded to keep students and practicing power conversion engineers ahead of the learning curve in GaN technology advancements. Acknowledging that GaN transistors are not one-to-one replacements for the current MOSFET technology, this book serves as a practical guide for understanding basic GaN transistor construction, characteristics, and applications. Included are discussions on the fundamental physics of these

power semiconductors, layout, and other circuit design considerations, as well as specific application examples demonstrating design techniques when employing GaN devices. GaN Transistors for Efficient Power Conversion, 3rd Edition brings key updates to the chapters of Driving GaN Transistors; Modeling, Simulation, and Measurement of GaN Transistors; DC-DC Power Conversion; Envelope Tracking; and Highly Resonant Wireless Energy Transfer. It also offers new chapters on Thermal Management, Multilevel Converters, and Lidar, and revises many others throughout. Written by leaders in the power semiconductor field and industry pioneers in GaN power transistor technology and applications Updated with 35% new material, including three new chapters on Thermal Management, Multilevel Converters, Wireless Power, and Lidar Features practical guidance on formulating specific circuit designs when constructing power conversion systems using GaN transistors A valuable resource for

professional engineers, systems designers, and electrical engineering students who need to fully understand the state-of-the-art GaN Transistors for Efficient Power Conversion, 3rd Edition is an essential learning tool and reference guide that enables power conversion engineers to design energy-efficient, smaller, and more cost-effective products using GaN transistors.

Flight Simulation Alfred T. Lee 2017-03-02
Advances in computer, visual display, motion and force cueing and other technologies in the past two decades have had a dramatic effect on the design and use of simulation technology in aviation and other fields. The effective use of technology in training, safety investigation, engineering and scientific research requires an understanding of its capabilities and limitations. As the technology has as its primary goal the creation of virtual environments for human users, knowledge of human sensory, perceptual, and cognitive functioning is also needed. This book provides a review and analysis of the

relevant engineering and science supporting the design and use of advanced flight simulation technologies. It includes chapters reviewing key simulation areas such as visual scene, motion, and sound simulation and a chapter analyzing the role of recreating the pilot's task environment in the overall effectiveness of simulators. The design and use of flight simulation are addressed in chapters on the effectiveness of flight simulators in training and on the role of physical and psychological fidelity in simulator design. The problems inherent in the ground-based simulation of flight are also reviewed as are promising developments in flight simulation technology and the important role flight simulators play in advanced aviation research. The readership includes: flight simulation engineers and designers, human factors researchers and practitioners, aviation safety investigators, flight training management and instructors, training and instructional technologists, virtual environment design

community, and regulatory authorities.
Stochastic Modelling of Train Delays and Delay Propagation in Stations - Jianxin Yuan 2006

Introduction to Gender - Jennifer Marchbank
2014-06-30

Thoroughly updated in this second edition, Introduction to Gender offers an interdisciplinary approach to the main themes and debates in gender studies. This comprehensive and contemporary text explores the idea of gender from the perspectives of history, sociology, social policy, anthropology, psychology, politics, pedagogy and geography and considers issues such as health and illness, work, family, crime and violence, and culture and media. Throughout the text, studies on masculinity are highlighted alongside essential feminist work, producing an integrated investigation of the field. Key features: A thematic structure provides a clear exploration of each debate without losing sight of the

interconnections between disciplines. World in focus boxes and international case studies offer a broad global perspective on gender studies. In-text features and student exercises, including Controversy, A critical look and Stop and think boxes, allow the reader to engage in the debates and revise the material covered. Hotlinks throughout the text make connections between chapters, allowing the reader to follow the path of particular issues and debates between topics and disciplines. New to the second edition: A new chapter explores gender through the discipline of philosophy. A new section on international relations brings this relevant topic into focus. Current discussion on the language of gender across Europe is brought in to Chapter 1. A focus on Europe and Scandinavia as well as the UK gives the text a broader scope. Examples are updated throughout to ensure the text is cutting-edge and relevant. Introduction to Gender, second edition is highly relevant to today's students across the social sciences and is

an essential introduction for students of sociology, women's studies and men's studies. **Vasculopathies** - Marc Thiriet 2019-02-18 This volume presents one of the clinical foundations of vasculopathies: the biological markers and risk factors associated with cardiovascular disease. A detailed biological and clinical framework is provided as a prerequisite for adequate modeling. Chapter 1 presents cardiovascular risk factors and markers, where the search for new criteria is aimed at improving early detection of chronic diseases. The subsequent chapters focus on hypertension, which involves the kidney among other organs as well as many agents, hyperglycemia and diabetes, hyperlipidemias and obesity, and behavior. The last of these risk factors includes altered circadian rhythm, tobacco and alcohol consumption, physical inactivity, and diet. The volumes in this series present all of the data needed at various length scales for a multidisciplinary approach to modeling and

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simulation of flows in the cardiovascular and ventilatory systems, especially multiscale modeling and coupled simulations. The cardiovascular and respiratory systems are tightly coupled, as their primary function is to supply oxygen to and remove carbon dioxide from the body's cells. Because physiological conduits have deformable and reactive walls, macroscopic flow behavior and prediction must be coupled to nano- and microscopic events in a corrector scheme of regulated mechanisms. Therefore, investigation of flows of blood and air in anatomical conduits requires an understanding of the biology, chemistry, and physics of these systems together with the mathematical tools to describe their functioning in quantitative terms.

Coal Tar Creosote - C. Melber 2004

On cover: IPCS International Programme on Chemical Safety. Published under the joint sponsorship of the United Nations Environment Programme, the International Labour

Organization and the World Health Organization, and produced within the framework of the Inter-organization Programme for the Sound Management of Chemicals (IOMC)

Grassroots Literacy - Jan Blommaert

2008-06-03

What effect has globalization had on our understanding of literacy? Grassroots Literacy seeks to address the relationship between globalization and the widening gap between 'grassroots' literacies, or writings from ordinary people and local communities, and 'elite' literacies. Displaced from their original context to elite literacy environments in the form of letters, police declarations and pieces of creative writing, 'grassroots' literacies are unsurprisingly easily disqualified, either as 'bad' forms of literacy, or as messages that fail to be understood. Through close analysis of two unique, handwritten documents from the Democratic Republic of the Congo, Jan Blommaert considers how 'grassroots' literacy in

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the Third World develops outside the literacy-saturated environments of the developed world. In examining these documents produced by socially and economically marginalized writers Blommaert demonstrates how literacy environments should be understood as relatively autonomous systems. Grassroots Literacy will be key reading for students of language and literacy studies as well as an invaluable resource for anyone with an interest in understanding the implications of globalization on local literacy practices.

Climate Change and Water -

Intergovernmental Panel on Climate Change / Working Group Technical Support Unit 2008
The Technical Paper addresses the issue of freshwater. Sealevel rise is dealt with only insofar as it can lead to impacts on freshwater in coastal areas and beyond. Climate, freshwater, biophysical and socio-economic systems are interconnected in complex ways. Hence, a change in any one of these can induce a change

in any other. Freshwater-related issues are critical in determining key regional and sectoral vulnerabilities. Therefore, the relationship between climate change and freshwater resources is of primary concern to human society and also has implications for all living species. -- page vii.

Proceedings of the 23rd International Conference on Industrial Engineering and Engineering Management 2016 - Ershi Qi
2017-03-07

International Conference on Industrial Engineering and Engineering Management is sponsored by Chinese Industrial Engineering Institution, CMES, which is the unique national-level academic society of Industrial Engineering. The conference is held annually as the major event in this area. Being the largest and the most authoritative international academic conference held in China, it supplies an academic platform for the experts and the entrepreneurs in International Industrial

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Engineering and Management area to exchange their research results. Many experts in various fields from China and foreign countries gather together in the conference to review, exchange, summarize and promote their achievements in Industrial Engineering and Engineering Management fields. Some experts pay special attention to the current situation of the related techniques application in China as well as their future prospect, such as Industry 4.0, Green Product Design, Quality Control and Management, Supply Chain and logistics Management to cater for the purpose of low-carbon, energy-saving and emission-reduction and so on. They also come up with their assumption and outlook about the related techniques' development. The proceedings will offer theatrical methods and technique application cases for experts from college and university, research institution and enterprises who are engaged in theoretical research of Industrial Engineering and Engineering

Management and its technique's application in China. As all the papers are feathered by higher level of academic and application value, they also provide research data for foreign scholars who occupy themselves in investigating the enterprises and engineering management of Chinese style.

Exploring and Optimizing Agricultural Landscapes - Lothar Mueller 2021-06-14

The book informs about agricultural landscapes, their features, functions and regulatory mechanisms. It characterizes agricultural production systems, trends of their development, and their impacts on the landscape. Agricultural landscapes are multifunctional systems, coupled with all nexus problems of the 21th century. This has led to serious discrepancies between agriculture and environment, and between urban and rural population. The mission, key topics and methods of research in order to understanding, monitoring and controlling processes in rural landscapes is being explained.

Studies of international expert teams, many of them from Russia, demonstrate approaches towards both improving agricultural productivity and sustainability, and enhancing ecosystem services of agricultural landscapes. Scientists of different disciplines, decision makers, farmers and further informed people dealing with the evolution of thriving rural landscapes are the primary audience of this book.

2015 IEEE 9th International Conference on Intelligent Systems and Control (ISCO 2015) - 2015

Towns, Ecology, and the Land - Richard T. T. Forman 2019-02-07

Towns and villages are sometimes viewed as minor, even quaint, spots, whereas this book boldly reconceptualizes these places as important dynamic environmental 'hotspots'. Multitudes of towns and villages with nearly half the world's population characterize perhaps half the global land surface. The book's pages feature

ecological patterns, processes, and change, as well as human dimensions, both within towns and in strong connections and effects on surrounding agricultural land, forest land, and arid land. Towns, small to large, and villages are examined with spatial and cultural lenses. Ecological dimensions - water, soil and air systems, together with habitats, plants, wildlife and biodiversity - are highlighted. A concluding section presents concepts for making better towns and better land. From a pioneer in both landscape ecology and urban ecology, this highly international town ecology book opens an important frontier for researchers, students, professors, and professionals including environmental, town, and conservation planners.

Struggling for Ethnic Identity - Rachel Tritt 1992

Design and Validation of Advanced Driver Assistance Systems - Olaf Jeroen Gietelink 2007

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Urban Services to Ecosystems - Chiara Catalano
2021-09-15

The aim of this book is to bring together multidisciplinary research in the field of green infrastructure design, construction and ecology. The main core of the volume is constituted by contributions dealing with green infrastructure, vegetation science, nature-based solutions and sustainable urban development. The green infrastructure and its ecosystem services, indeed, are gaining space in both political agendas and academic research. However, the attention is focused on the services that nature is giving for free to and for human health and survival. What if we start to see things from another perspective? Our actions shall converge for instance to turn man-made environment like cities from heterotrophic to autotrophic ecosystems. From landscape ecology to urban and building design, like bricks of a wall, from the small scale to the bigger landscape scale via ecological networks and corridors, we should

start answering these questions: what are the services that are we offering to Nature? What are we improving? How to implement our actions? This book contains three Open Access chapters, which are licensed under the terms of the Creative Commons Attribution 4.0 International License (CC BY 4.0).

Internet and Mobile Phone Addiction - Olatz Lopez-Fernandez 2019-03-07

Internet use-related addiction problems (e.g., Internet addiction, problem mobile phone use, problem gaming, and social networking) have been defined according to the same core element: the addictive symptomatology presented by individuals who excessively and problematically behave using the technology. Online activity is the most important factor in their lives, causing them the loss of control by stress and difficulties in managing at least one aspect of their daily life, affecting users' wellbeing and health. In 2018, Gaming Disorder was included as a mental disease in the 11th

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Revision of the International Classification of Diseases by the World Health Organization. In 2013, the American Psychiatric Association requested additional research on Internet Gaming Disorder. The papers contained in this e-Book provide unique and original perspectives on the concept, development, and early detection of the prevention of these health problems. They are diverse in the nature of the

problems they deal with, methodologies, populations, cultures, and contain insights and a clear indication of the impact of individual, social, and environmental factors on Internet use-related addiction problems. The e-Book illustrates recent progress in the evolution of research, with great emphasis on gaming and smartphone problems, signaling areas in which research would be useful, even cross-culturally.