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Mining, Modeling, and Recommending 'Things' in Social Media
2013 6th International Conference on BioMedical Engineering and Informatics (BMEI 2013)
Proceedings of the Institute of Industrial Engineers Asian Conference 2013

Ecological, Societal, and Technological Risks and the Financial Sector

2013 International Conference on Electrical, Control and Automation Engineering (ECAE2013) aims to provide a forum for accessing to the most up-to-date and authoritative knowledge from both Electrical, Control and Automation Engineering. ECAE2013 features unique mixed topics of Electrical Engineering, Automation, Control Engineering and so on. The goal of this conference is to bring researchers, engineers, and students to the areas of Electrical, Control and Automation Engineering to share experiences and original research contributions on those topics. Researchers and practitioners are invited to submit their contributions to ECAE2013

InCIEC 2013

Issues in Information Science Research / 2013 Edition is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Web and Grid Services. The editors have built Issues in Information Science Research: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Web and Grid Services in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Information Science Research: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

International Conference on Mathematical Sciences and Statistics 2013

Policymakers, practitioners, and researchers frequently cite an increase in shocks around the world as a reason for focusing on resilience. But have shocks actually increased or become more severe and far-reaching? What does the landscape of shocks look like? Shocks are external, short-term deviations from long-term trends—deviations that have substantial negative effects (which may be short-lived or long lasting) on people's state of well-being, level of assets, livelihoods, safety, and ability to withstand future shocks. Many shocks are unexpected, but in some cases, such as drought or conflict, the shock may be expected year after year although the individual, community, or system lacks the resilience to prepare for or mitigate it. In other cases, such as climate change, the general shock could be expected but the effect on a particular individual, community, or area could be unexpected. This brief examines five types of shocks—conflicts, natural disasters, climate change, food price volatility, and health crises—as they relate to food safety and agriculture. It assesses their frequency, severity, or both during the past few decades as part of a selective, nonsystematic review.

Exploring Alterity in a Globalized World

This book constitutes the thoroughly refereed conference proceedings of the 38th International Symposium on Mathematical Foundations of Computer Science, MFCS 2013, held in Klosterneuburg, Austria, in August 2013. The 67 revised full papers presented together with six invited talks were carefully selected from 191 submissions. Topics covered include algorithmic game theory, algorithmic learning theory, algorithms and data structures, automata, formal languages, bioinformatics, complexity, computational geometry, computer-assisted reasoning, concurrency theory, databases and knowledge-based systems, foundations of computing, logic in computer science, models of computation, semantics and verification of programs, and theoretical issues in artificial intelligence.

Foundations of Real Estate Development Financing

Graduate Programs in the Physical Sciences, Mathematics, Agricultural Sciences, the Environment & Natural Resources 2015 contains more than 3,000 graduate programs in the relevant disciplines—including agriculture and food sciences, astronomy and astrophysics, chemistry, physics, mathematics, environmental sciences and management, natural resources, marine sciences, and more. Informative data profiles for more than 3,000 graduate programs at nearly 600 institutions are included, complete with facts and figures on accreditation, degree requirements, application deadlines and contact information, financial support, faculty, and student body profiles. Two-page in-depth descriptions, written by featured institutions, offer complete details on specific graduate programs, schools, or departments as well as information on faculty research. Comprehensive directories list programs in this volume, as well as others in the graduate series.

2013 International Conference on Advanced Education Technology and Management Science(AETMS2013)

Alkadienes—Advances in Research and Application: 2013 Edition is a ScholarlyBrief™ that delivers timely, authoritative, comprehensive, and specialized information about ZZZAdditional Research in a concise format. The editors have built Alkadienes—Advances in Research and Application: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about ZZZAdditional Research in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Alkadienes—Advances in Research and Application: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Issues in Information Science Research: 2013 Edition

Membrane Glycoproteins—Advances in Research and Application: 2013 Edition is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Ion Channels. The editors have built Membrane Glycoproteins—Advances in Research and Application: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Ion Channels in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Membrane Glycoproteins—Advances in Research and Application: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited

by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Computational Science and Its Applications -- ICCSA 2013

This book constitutes the thoroughly refereed post-conference proceedings of the 4th International Conference on Intelligence Science and Big Data Engineering, IScIDE 2013, held in Beijing, China, in July/August 2013. The 111 papers presented were carefully peer-reviewed and selected from 390 submissions. Topics covered include information theoretic and Bayesian approaches; probabilistic graphical models; pattern recognition and computer vision; signal processing and image processing; machine learning and computational intelligence; neural networks and neuro-informatics; statistical inference and uncertainty reasoning; bioinformatics and computational biology and speech recognition and natural language processing.

Intelligence Science and Big Data Engineering

This book constitutes the proceedings of the 16th International Conference on Discovery Science, DS 2013, held in Singapore in October 2013, and co-located with the International Conference on Algorithmic Learning Theory, ALT 2013. The 23 papers presented in this volume were carefully reviewed and selected from 52 submissions. They cover recent advances in the development and analysis of methods of automatic scientific knowledge discovery, machine learning, intelligent data analysis, and their application to knowledge discovery.

Exploring Services Science

This book constitutes the thoroughly refereed post-conference proceedings of the four workshops on Photographic Aesthetics and Non-Photorealistic Rendering (PAESNPR13), Geometric Properties from Incomplete Data (GPID), Quality Assessment and Control by Image and Video Analysis (QACIVA) and Geometric Computation for Computer Vision (GCCV2013), held in conjunction with the 6th Pacific-Rim Symposium on Image and Video Technology (PSIVT) in Guanajuato, Mexico during October 28-November 1, 2013. The 38 revised full papers presented were carefully selected from numerous submissions and cover all aspects of Imaging and Graphics Hardware and Visualization, Image/Video Coding and Transmission; Processing and Analysis; Retrieval and Scene Understanding, but also Applications of Image and Video Technology, Biomedical Image Processing and Analysis, Biometrics and Image Forensics, Computational Photography and Arts, Computer and Robot Vision, Pattern Recognition and Video Surveillance.

Vision and Voyages for Planetary Science in the Decade 2013-2022

This two volume set (LNCS 8156 and 8157) constitutes the refereed proceedings of the 17th International Conference on Image Analysis and Processing, ICIAP 2013, held in Naples, Italy, in September 2013. The 162 papers presented were carefully reviewed and selected from 354 submissions. The papers aim at highlighting the connection and synergies of image processing and analysis with pattern recognition and machine learning, human computer systems, biomedical imaging and applications, multimedia interaction and processing, 3D computer vision, and understanding objects and scene.

Mathematical Foundations of Computer Science 2013

THERMEC 2013 Supplement

This book contains contributions presented at the IUTAM Symposium "Fracture Phenomena in Nature and Technology" held in Brescia, Italy, 1-5 July, 2012. The objective of the Symposium was fracture research, interpreted broadly to include new engineering and structural mechanics treatments of damage development and crack growth and also large-scale failure processes as exemplified by earthquake or landslide failures, ice shelf break-up and hydraulic fracturing (natural or for resource extraction or CO₂ sequestration), as well as small-scale rupture phenomena in materials physics including, e.g. inception of shear banding, void growth, adhesion and decohesion in contact and friction, crystal dislocation processes and atomic/electronic scale treatment of brittle crack tips and fundamental cohesive properties. Special emphasis was given to multiscale fracture description and new scale-bridging formulations capable to substantiate recent experiments and tailored to become the basis for innovative computational algorithms.

Are shocks actually on the rise?

2013 International Conference on Advanced Education Technology and Management Science (AETMS2013) aims to provide a forum for accessing to the most up-to-date and authoritative knowledge from both Education Technology and Management Science. AETMS2013 features unique mixed topics of Education technology, Teaching theory, psychology, Sport Pedagogy, Management science and engineering, Finance and economics and so on. The goal of this conference is to bring researchers, engineers, and students to the areas of Education Technology and Management Science to share experiences and original research contributions on those topics.

2013 International Conference on Electrical, Control and Automation Engineering(ECAE2013)

MSEE2013 will provide an excellent international academic forum for sharing knowledge and results in theory, methodology and applications on material science and environmental engineering. In the proceedings, you can learn much more knowledge about the newest research results on material science and advanced materials, material engineering and application, environment protection and sustainable development, and environmental science and engineering all around the world.

Progress in Cryptology - INDOCRYPT 2013

What are the impacts of population growth? Can our planet support the demands of the ten billion people anticipated to be the world's population by the middle of this century? While it is common to hear about the problems of overpopulation, might there be unexplored benefits of increasing numbers of people in the world? How can we both consider and harness the potential benefits brought by a healthier, wealthier and larger population? May more people mean more scientists to discover how our world works, more inventors and thinkers to help solve the world's problems, more skilled people to put these ideas into practice? In this book, leading academics with a wide range of expertise in demography, philosophy, biology, climate science, economics and environmental sustainability explore the contexts, costs and benefits of a burgeoning population on our economic, social and environmental systems.

2013 International Conference on Biological, Medical and Chemical Engineering (BMCE2013)

THERMEC proceedings is collection of research papers from active /known researchers in materials science /engineering , manufacturing, processing and applications of advanced materials ranging from ferrous and non ferrous materials to biomaterials,nanomaterials, metallic glasses, fuel cells,hydrogen storage technologies, surface engineering, welding and joining, modeling & simulation and intelligent & smart materials/ processes.

IAS Prelims Magic 2013 (Paper 1)

Alkadienes—Advances in Research and Application: 2013 Edition

Service science constitutes an interdisciplinary approach to systematic innovation in service systems, integrating managerial, social, legal, and engineering aspects to address the theoretical and practical challenges of the services

industry and its economy. This book contains the refereed proceedings of the 4th International Conference on Exploring Services Science (IESS), held in Porto, Portugal, in February 2013. This year, the conference theme was Enhancing Service System Fundamentals and Experiences, chosen to address the current need to explore enhanced methods, approaches, and techniques for a more sustainable and comprehensive economy and society. The 19 full and 9 short papers accepted for IESS were selected from 78 submissions and presented ideas and results related to innovation, services discovery, services engineering, and services management, as well as the application of services in information technology, business, healthcare, and transportation.

Conceptual Modeling - ER 2013

This proceeding is indeed the result of remarkable cooperation of many distinguished experts, who came together to contribute their research work and comprehensive, in-depth and up to date review articles. We are thankful to all the contributing authors and co-authors for their valued contribution to this book. We would also like to express our gratitude to all the publishers and authors and others for granting us the copyright permissions to use their illustrations. 2013 International Conference on Biological, Medical and Chemical Engineering (BMCE2013) which will be held on December 1-2, 2013, Hong Kong, aims to provide a forum for accessing to the most up-to-date and authoritative knowledge from both Biological, Medical and Chemical Engineering. The dynamic Hong Kong, officially the Hong Kong Special Administrative Region of the People's Republic of China, is a largely self-governing territory of the People's Republic of China (PRC), facing the Guangdong Province in the north and the South China Sea to the east, west and south. Under the "one country, two systems" policy, Hong Kong enjoys considerable autonomy in all areas with the exception of foreign affairs and defense (which are the responsibility of the PRC Government). As part of this arrangement, Hong Kong continues to maintain its own currency, separate legal, political systems and other aspects that concern its way of life, many of which are distinct from those of mainland China. In relation with the title of this proceeding, Biological and Medical Engineering, Developmental biology, Environmental Biology, Evolutionary Biology, Marine Biology, Chemistry and Chemical Engineering Fundamentals, Chemical engineering educational challenges and development, Chemical reaction engineering, Chemical engineering equipment design and process design, Thermodynamics, Catalysis & reaction engineering, Advances in computational & numerical methods, Systems biology, Integration of Life Sciences & Engineering, Multi-scale and Multi-disciplinary Approaches, Controlled release of the active ingredient, Energy & nuclear sciences, Energy and environment, CFD & chemical engineering, Food engineering etc, has been targeted and included in this proceeding. The proceeding is the results of the contribution of a number of experts from the international scientific community in the respective field of research.

Is the Planet Full?

2013 International Conference on Complex Science Management and Education Science, will be held in Kunming, China on 23rd-24th Nov. 2013. This conference is sponsored by Advanced Science Research Center, some universities and some Enterprises. 2013 International Conference on Complex Science Management and Education Science (CSMES2013) will provide an excellent international forum for sharing knowledge and results in theory, methodology and applications of Complex Science Management and Education Science . The conference looks for significant contributions to all major fields of the modern Complex Science Management and Education Science in theoretical and practical aspects. The aim of the conference is to provide a platform to the researchers and practitioners from both academia as well as industry to meet and share cutting-edge development in the field. 2013 International Conference on Complex Science Management and Education Science (CSMES2013) will be published by DEStech Publications. DEStech will have the CDROM indexed in ISI (Institute of Scientific Information) and Google Book Search. DEStech will submit the CDROM to ISTP and EI for worldwide online citation of qualified papers. We would like to extend our appreciation to all participants in the conference for their great contribution to the success of csmes2013. We would like to thank the keynote and individual speakers and all participating authors for their hard work and time. We also sincerely appreciate technical program committee and all reviewers, whose contributions make this conference possible. Finally, I would like to thank the great support from DEStech Publications, Inc. Prof. Haiyan

Discovery Science

Today's financial sector faces multiple challenges stemming from ecological, societal, and technological risks such as climate change, political extremism, and cyber-attacks. However, these non-traditional risks are yet to be fully identified and measured, in order to ensure their successful management. This edited collection sheds light on the topic by examining the unique measurement and modelling challenges associated with each of these risks, and their interaction with finance. Offering a comprehensive analysis of non-traditional finance risks, the authors provide the basis for developing appropriate risk management techniques. With new approaches to protect against emerging threats to the financial sector, this edited collection will appeal to academics researching sustainability, development finance, and risk management, as well as policy-makers and practitioners within the banking sector.

Information Sciences and Systems 2013

SPBEI 2013 aims to be an excellent platform to facilitate international exchange of state-of-the-art research and practice in image, video, and signal processing, biomedical engineering, informatics, and their cross-intersection to catalyze innovative research ideas and to disseminate new scientific discoveries. The nature of the research demands collaboration in medicine, biology, physics, engineering, computer science, and statistics; and SPBEI attempts to expedite and strengthen the

exploration and systemization of interdisciplinary knowledge. This year, the conference received a large number of submissions around the globe, and all papers have been rigorously reviewed by a large number of peer reviewers who have spent tremendous amount of time and effort on the evaluations, with each paper receiving three to six reviews. We would like to thank all those who submitted papers for considerations, and we extend our sincere gratitude to all those who devoted their time and effort professionally to ensuring the high standards of the technical program, including the authors, committee members, peer reviewers, and session chairs.

Proceedings of the 2013 International Conference on Material Science and Environmental Engineering-2013

This book is based on the research papers presented during The Institute of Industrial Engineers Asian Conference 2013 held at Taipei in July 2013. It presents information on the most recent and relevant research, theories and practices in industrial and systems engineering. Key topics include: Engineering and Technology Management Engineering Economy and Cost Analysis Engineering Education and Training Facilities Planning and Management Global Manufacturing and Management Human Factors Industrial & Systems Engineering Education Information Processing and Engineering Intelligent Systems Manufacturing Systems Operations Research Production Planning and Control Project Management Quality Control and Management Reliability and Maintenance Engineering Safety, Security and Risk Management Supply Chain Management Systems Modeling and Simulation Large scale complex systems

Peterson's Grad Programs in Physical Sciences, Math, Ag Sciences, Envir & Natural Res 20154 (Grad 4)

The Fifth Assessment Report of the IPCC is the standard scientific reference on climate change for students, researchers and policy makers.

The Chemical News and Journal of Physical Science

This volume develops a unique framework to understand India through indigenous and European perspectives, and examines how it copes with the larger challenges of a globalized world. Through a discussion of religious and philosophical traditions, cultural developments as well as contemporary theatre, films and media, it explores the manner in which India negotiates the trials of globalization. It also focuses upon India's school and education system, its limitations and successes, and how it prepares to achieve social inclusion. The work further shows how contemporary societies in both India and Europe deal with cultural diversity and engage with the tensions between tendencies towards homogenization and

diversity. This eclectic collection on what it is to be a part of global network will be of interest to scholars and researchers of South Asian studies, philosophy, sociology, culture studies, and religion.

Image and Video Technology -- PSIVT 2013 Workshops

'Gravity, a Geometrical Course' presents general relativity (GR) in a systematic and exhaustive way, covering three aspects that are homogenized into a single texture: i) the mathematical, geometrical foundations, exposed in a self consistent contemporary formalism, ii) the main physical, astrophysical and cosmological applications, updated to the issues of contemporary research and observations, with glimpses on supergravity and superstring theory, iii) the historical development of scientific ideas underlying both the birth of general relativity and its subsequent evolution. The book, divided in two volumes, is a rich resource for graduate students and those who wish to gain a deep knowledge of the subject without an instructor. Volume One is dedicated to the development of the theory and basic physical applications. It guides the reader from the foundation of special relativity to Einstein field equations, illustrating some basic applications in astrophysics. A detailed account of the historical and conceptual development of the theory is combined with the presentation of its mathematical foundations. Differentiable manifolds, fibre-bundles, differential forms, and the theory of connections are covered, with a sketchy introduction to homology and cohomology. (Pseudo)-Riemannian geometry is presented both in the metric and in the vielbein approach. Physical applications include the motions in a Schwarzschild field leading to the classical tests of GR (light-ray bending and periastron advance) discussion of relativistic stellar equilibrium, white dwarfs, Chandrasekhar mass limit and polytropes. An entire chapter is devoted to tests of GR and to the indirect evidence of gravitational wave emission. The formal structure of gravitational theory is at all stages compared with that of non gravitational gauge theories, as a preparation to its modern extension, namely supergravity, discussed in the second volume. Pietro Frè is Professor of Theoretical Physics at the University of Torino, Italy and is currently serving as Scientific Counsellor of the Italian Embassy in Moscow. His scientific passion lies in supergravity and all allied topics, since the inception of the field, in 1976. He was professor at SISSA, worked in the USA and at CERN. He has taught General Relativity for 15 years. He has previously two scientific monographs, "Supergravity and Superstrings" and "The N=2 Wonderland", He is also the author of a popular science book on cosmology and two novels, in Italian.

Membrane Glycoproteins—Advances in Research and Application: 2013 Edition

Mechatronics, as the integrating framework of mechanical engineering, electrical engineering, computer technology, control engineering and automation forms a crucial part in the design, manufacture and maintenance of a wide range of engineering products and processes. The mechatronics itself changes rapidly in last decade, from original mixture of subfields into original approach in engineering as a technical discipline. The book you are holding is aimed to help the

reader to orient in this evolving field of science and technology. "Mechatronics 2013: Recent Technological and Scientific Advances" is the fourth volume following the previous editions in 2007, 2009 and 2011, providing the comprehensive and accessible coverage of advances in mechatronics presented on the 10th International Conference Mechatronics 2013, hosted this year at the Brno University of Technology, Czech Republic. The contributions, that passed the thorough review process, give an insight into current trends in research and development among Mechatronics 2013 contributing countries, with paper topics covering design and modeling of mechatronic systems, control and automation, signal processing, robotics and others, keeping in mind the innovation benefits of mechatronics design approach, leading to the development, production and daily use of machines and devices possessing a certain degree of computer based intelligence.

Gravity, a Geometrical Course

Issues in Robotics and Automation / 2013 Edition is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Computing Information and Control. The editors have built Issues in Robotics and Automation: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Computing Information and Control in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Robotics and Automation: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Journal of Interdisciplinary Science Topics, Volume 2

Based on a rigorous selection from 58 proposals coming from across the world, this volume will include some of the most recent ideas and technical results in computer systems, computer science, and computer-communication networks. The book will offer the reader with a timely access to innovative research from many different areas of the world where advances in computing and communications are created.

Issues in Robotics and Automation: 2013 Edition

In recent years, planetary science has seen a tremendous growth in new knowledge. Deposits of water ice exist at the Moon's poles. Discoveries on the surface of Mars point to an early warm wet climate, and perhaps conditions under which life could have emerged. Liquid methane rain falls on Saturn's moon Titan, creating rivers, lakes, and geologic landscapes

with uncanny resemblances to Earth's. Vision and Voyages for Planetary Science in the Decade 2013-2022 surveys the current state of knowledge of the solar system and recommends a suite of planetary science flagship missions for the decade 2013-2022 that could provide a steady stream of important new discoveries about the solar system. Research priorities defined in the report were selected through a rigorous review that included input from five expert panels. NASA's highest priority large mission should be the Mars Astrobiology Explorer Cacher (MAX-C), a mission to Mars that could help determine whether the planet ever supported life and could also help answer questions about its geologic and climatic history. Other projects should include a mission to Jupiter's icy moon Europa and its subsurface ocean, and the Uranus Orbiter and Probe mission to investigate that planet's interior structure, atmosphere, and composition. For medium-size missions, Vision and Voyages for Planetary Science in the Decade 2013-2022 recommends that NASA select two new missions to be included in its New Frontiers program, which explores the solar system with frequent, mid-size spacecraft missions. If NASA cannot stay within budget for any of these proposed flagship projects, it should focus on smaller, less expensive missions first. Vision and Voyages for Planetary Science in the Decade 2013-2022 suggests that the National Science Foundation expand its funding for existing laboratories and establish new facilities as needed. It also recommends that the program enlist the participation of international partners. This report is a vital resource for government agencies supporting space science, the planetary science community, and the public.

Progress in Image Analysis and Processing, ICIAP 2013

The five-volume set LNCS 7971-7975 constitutes the refereed proceedings of the 13th International Conference on Computational Science and Its Applications, ICCSA 2013, held in Ho Chi Minh City, Vietnam, in June 2013. Apart from the general track, ICCSA 2013 also include 33 special sessions and workshops, in various areas of computational sciences, ranging from computational science technologies, to specific areas of computational sciences, such as computer graphics and virtual reality. There are 46 papers from the general track, and 202 in special sessions and workshops.

Mechatronics 2013

America's landscape is undergoing a profound transformation as demand grows for a different kind of American Dream--smaller homes on smaller lots, multifamily options, and walkable neighborhoods. This trend presents a tremendous opportunity to reinvent our urban and suburban areas. But in a time of fiscal austerity, how do we finance redevelopment needs? In Foundations of Real Estate Development Finance: A Guide for Public-Private Partnerships, urban scholar Arthur C. Nelson argues that efficient redevelopment depends on the ability to leverage resources through partnerships. Public-private partnerships are increasingly important in reducing the complexity and lowering the risk of redevelopment projects. Although planners are an integral part of creating these partnerships, their training does generally not include real-estate

financing, which presents challenges and imbalances in public-private partnership. This is the first primer on financing urban redevelopment written for practicing planners and public administrators. In easy-to-understand language, it will inform readers of the natural cycle of urban development, explain how to overcome barriers to efficient redevelopment, what it takes for the private sector to justify its redevelopment investments, and the role of public and nonprofit sectors to leverage private sector redevelopment where the market does not generate sufficient rates of return. This is a must read for practicing planners and planning students, economic development officials, public administrators, and others who need to understand how to leverage public and non-profit resources to leverage private funds for redevelopment.

Fracture Phenomena in Nature and Technology

Climate Change 2013: The Physical Science Basis

The special focus of this proceeding is to cover the areas of infrastructure engineering and sustainability management. The state-of-the art information in infrastructure and sustainable issues in engineering covers earthquake, bioremediation, synergistic management, timber engineering, flood management and intelligent transport systems. It provides precise information with regards to innovative research development in construction materials and structures in addition to a compilation of interdisciplinary finding combining nano-materials and engineering.

2013 International Conference on Complex Science Management and Education Science

Substantial progress in the fight against extreme poverty was made in the last two decades. But the slowdown in global economic growth and significant increases in income inequality in many developed and developing countries raise serious concerns about the continuation of this trend into the 21st century. The time has come to seriously think about how improvements in official global governance, coupled with and reinforced by rising activism of 'global citizens' can lead to welfare-enhancing and more equitable results for global citizens through better national and international policies. This book examines the factors that are most likely to facilitate the process of beneficial economic growth in low-, middle-, and high-income countries. It examines past, present, and future economic growth; demographic changes; the hyperglobalization of trade; the effect of finance on growth; climate change and resource depletion; and the sense of global citizenship and the need for global governance in order to draw longer-term implications, identify policy options for improving the lives of average citizens around the world, and make the case for the need to confront new challenges with truly global policy responses. The book documents how demographic changes, convergence, and competition are likely to bring about massive shifts in the sectoral and geographical composition of global output and employment, as the center of

gravity of the global economy moves toward Asia and emerging economies elsewhere. It shows that the legacies of the 2008-09 crisis-high unemployment levels, massive excess capacities, and high debt levels-are likely to reduce the standard of living of millions of people in many countries over a long period of adjustment and that fluctuations in international trade, financial markets, and commodity prices, as well as the tendency of institutions at both the national and international level to favor the interests of the better-off and more powerful pose substantial risks for citizens of all countries. The chapters and their policy implications are intended to stimulate public interest and facilitate the exchange of ideas and policy dialogue.

Towards a Better Global Economy

This book constitutes the thoroughly refereed joint post-workshop proceedings of the 4th International Workshop on Mining Ubiquitous and Social Environments, MUSE 2013, held in Prague, Czech Republic, in September 2013, and the 4th International Workshop on Modeling Social Media, MSM 2013, held in Paris, France, in May 2013. The 8 full papers included in the book are revised and significantly extended versions of papers submitted to the workshops. The focus is on collective intelligence in ubiquitous and social environments. Issues tackled include personalization in social streams, recommendations exploiting social and ubiquitous data, and efficient information processing in social systems. Furthermore, this book presents work dealing with the problem of mining patterns from ubiquitous social data, including mobility mining and exploratory methods for ubiquitous data analysis.

Mining, Modeling, and Recommending 'Things' in Social Media

This volume is devoted to the most recent discoveries in mathematics and statistics. It also serves as a platform for knowledge and information exchange between experts from industrial and academic sectors. The book covers a wide range of topics, including mathematical analyses, probability, statistics, algebra, geometry, mathematical physics, wave propagation, stochastic processes, ordinary and partial differential equations, boundary value problems, linear operators, cybernetics and number and functional theory. It is a valuable resource for pure and applied mathematicians, statisticians, engineers and scientists.

2013 6th International Conference on BioMedical Engineering and Informatics (BMEI 2013)

This book constitutes the refereed proceedings of the 14th International Conference on Cryptology in India, INDOCRYPT 2013, held in Mumbai, India, in December 2013. The 15 revised full papers presented together with 6 short papers the abstracts of 3 invited talks were carefully reviewed and selected from 76 submissions. The papers are organized in topical

sections on provable security; hash functions and signatures; side channel attacks; symmetric key cryptanalysis; key exchange and secret sharing; efficient implementation and hardware; and coding theory in cryptography.

Proceedings of the Institute of Industrial Engineers Asian Conference 2013

This book constitutes the refereed proceedings of the 32nd International Conference on Conceptual Modeling, ER 2013, held in Hong Kong, China, in November 2013. The 23 full and 17 short papers presented were carefully reviewed and selected from 148 abstracts and 126 full papers submissions. The papers are organized in topical sections on modeling and reasoning, fundamentals of conceptual modeling, business process modeling, network modeling, data semantics, security and optimization, ontology-based modeling, searching and mining, conceptual modeling and applications, demonstration papers.

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