

## ***Nts Model Papers 2013***

*This dissertation argues against the widespread belief among current scholars that Galilee experienced extensive Hellenization, rapid urbanization, and a socio-economic crisis in the first-century C.E. as a result of major socio-economic changes initiated by Herod the Great and his successors. My research indicates that earlier studies allowed the textual evidence to have an undue influence on the way that scholars interpret the archaeological evidence, and vice-versa. Unlike previous studies on Early Roman Galilee, the dissertation begins by attempting to interpret each source for the region individually and without recourse to other sources. After establishing what each source says on its own about Galilee, the dissertation analyzes the data as a whole and offers a reconstruction of Galilean society in the first-century C.E. that better reflects the available evidence. The major findings are that the region was politically stable until the Great Revolt of 66 C.E., that the region was much less Hellenized than some prominent scholars claim, that the urbanization process initiated by Herod Antipas had less of a negative immediate impact on Galilean society than modern scholars usually assume, and that Galilee was not experiencing any unusual or severe socio-economic problems prior to the revolt.*

*This edited volume brings together researchers from various disciplines (i.e. education, psychology, sociology, economy, information technology, engineering) discussing elementary changes at workplaces occurring through digitalization, and reflecting on educational challenges for individuals, organizations, and society. The latest developments in information and communication technology seem to open new potential, and the crucial question arises which kind of work can be replaced by technology? The contributors to this volume are scholars who have been conducting research on the influence of technological change on work and individuals for a long time. The book addresses researchers as well as practitioners in the field of adult education and human resource development.*

*The MATSim (Multi-Agent Transport Simulation) software project was started around 2006 with the goal of generating traffic and congestion patterns by following individual synthetic travelers through their daily or weekly activity programme. It has since then evolved from a collection of stand-alone C++ programs to an integrated Java-based framework which is publicly hosted, open-source available, automatically regression tested. It is currently used by about 40 groups throughout the world. This book takes stock of the current status. The first part of the book gives an introduction to the most important concepts, with the intention of enabling a potential user to set up and run basic simulations. The second part of the book describes how the basic functionality can be extended, for example by adding schedule-based public transit, electric or autonomous cars, paratransit, or within-day replanning. For each extension, the text provides pointers to the additional documentation and to the code base. It is also discussed how people with appropriate Java*

*programming skills can write their own extensions, and plug them into the MATSim core. The project has started from the basic idea that traffic is a consequence of human behavior, and thus humans and their behavior should be the starting point of all modelling, and with the intuition that when simulations with 100 million particles are possible in computational physics, then behavior-oriented simulations with 10 million travelers should be possible in travel behavior research. The initial implementations thus combined concepts from computational physics and complex adaptive systems with concepts from travel behavior research. The third part of the book looks at theoretical concepts that are able to describe important aspects of the simulation system; for example, under certain conditions the code becomes a Monte Carlo engine sampling from a discrete choice model. Another important aspect is the interpretation of the MATSim score as utility in the microeconomic sense, opening up a connection to benefit cost analysis. Finally, the book collects use cases as they have been undertaken with MATSim. All current users of MATSim were invited to submit their work, and many followed with sometimes crisp and short and sometimes longer contributions, always with pointers to additional references. We hope that the book will become an invitation to explore, to build and to extend agent-based modeling of travel behavior from the stable and well tested core of MATSim documented here.*

*This book constitutes the refereed and revised post-conference proceedings of the 8th International Workshop on Code-Based Cryptography, CBCrypto 2020, held in Zagreb, Croatia, in May 2020.\* The seven papers presented in this book were carefully reviewed and selected from numerous submissions. These contributions focus on various topics such as code-based cryptography, from design to implementation, security, new systems, and improved decoding algorithms. \* The conference was held virtually due to the COVID-19 pandemic.*

*Cosmeceuticals from Medicinal Plants*

*On the Move to Meaningful Internet Systems: OTM 2012*

*Sustainable Food Supply Chains*

*Supercomputing*

*Decision Making: Recent Developments and Worldwide Applications*

*BeiDou/GNSS Navigation Applications • Test & Assessment Technology •*

*User Terminal Technology*

*Artificial Intelligence in Education*

***As an ever-growing international business, Islamic banking has changed the face of economics in recent years. As more and more industries embrace Islamic principles, the industry will unquestionably influence modern economic practices and techniques across the globe. Growth and Emerging Prospects of International Islamic Banking is a collection of innovative research on the methods and applications of Islamic banking interests on a global economic scale. While highlighting topics including asset diversification, profit sharing, and financial reporting, this book is***

*ideally designed for bankers, banking analysts, international business managers, financiers, industry professionals, economists, government officials, academicians, students, and researchers seeking current research on Islamic banking perspectives and approaches to finances. Urban transport systems worldwide are faced by a multitude of challenges. Among the most visible of these are the traffic gridlocks experienced on city roads and highways all over the world. The prescribed solution to transport problems in most cities has thus been to build more infrastructures for cars, with a limited number of cities improving public transport systems in a sustainable manner. However, a number of challenges faced by urban transport systems – such as greenhouse gas emissions, noise and air pollution and road traffic accidents – do not necessarily get solved by the construction of new infrastructure. Planning and Design for Sustainable Urban Mobility argues that the development of sustainable urban transport systems requires a conceptual leap. The purpose of ‘transportation’ and ‘mobility’ is to gain access to destinations, activities, services and goods. Thus, access is the ultimate objective of transportation. As a result, urban planning and design should focus on how to bring people and places together, by creating cities that focus on accessibility, rather than simply increasing the length of urban transport infrastructure or increasing the movement of people or goods. Urban form and the functionality of the city are therefore a major focus of this report, which highlights the importance of integrated land-use and transport planning. This new report of the United Nations Human Settlements Programme (UN-Habitat), the world’s leading authority on urban issues, provides some thought-provoking insights and policy recommendations on how to plan and design sustainable urban mobility systems. The Global Report on Human Settlements is the most authoritative and up-to-date global assessment of human settlements conditions and trends. Preceding issues of the report have addressed such topics as Cities in a Globalizing World, The Challenge of Slums, Financing Urban Shelter, Enhancing Urban Safety and Security, Planning Sustainable Cities and Cities and Climate Change.*

*The two-volume set LNCS 7565 and 7566 constitutes the refereed proceedings of three confederated international conferences: Cooperative Information Systems (CoopIS 2012), Distributed Objects and Applications - Secure Virtual Infrastructures (DOA-SVI 2012), and Ontologies, DataBases and Applications of SEmantics (ODBASE 2012) held as part of OTM 2012 in September 2012 in Rome, Italy. The 53 revised full papers presented were carefully reviewed and selected from a total of 169 submissions. The 22 full papers included in the first volume constitute the proceedings of CoopIS 2012 and are organized in topical sections on business process design; process verification and analysis; service-oriented architectures and cloud;*

***security, risk, and prediction; discovery and detection; collaboration; and 5 short papers.***

***The two-volume set LNCS 7732 and 7733 constitutes the thoroughly refereed proceedings of the 19th International Conference on Multimedia Modeling, MMM 2012, held in Huangshan, China, in January 2013. The 30 revised regular papers, 46 special session papers, 20 poster session papers, and 15 demo session papers, and 6 video browser showdown were carefully reviewed and selected from numerous submissions. The two volumes contain papers presented in the topical sections on multimedia annotation I and II, interactive and mobile multimedia, classification, recognition and tracking I and II, ranking in search, multimedia representation, multimedia systems, poster papers, special session papers, demo session papers, and video browser showdown.***

***First Century Galilee***

***Computational Neuroscience***

***The Impact of Digitalization in the Workplace***

***Advances in Multimedia Modeling***

***Neural Control of Energy Homeostasis and Energy Homeostasis Regulation of Brain Function***

***Handbook Of Financial Econometrics, Mathematics, Statistics, And Machine Learning (In 4 Volumes)***

***Re-engineering Manufacturing for Sustainability***

**This book constitutes the refereed proceedings of the International Conference on Privacy in Statistical Databases, PSD 2020, held in Tarragona, Spain, in September 2020 under the sponsorship of the UNESCO Chair in Data Privacy. The 25 revised full papers presented were carefully reviewed and selected from 49 submissions. The papers are organized into the following topics: privacy models; microdata protection; protection of statistical tables; protection of interactive and mobility databases; record linkage and alternative methods; synthetic data; data quality; and case studies. The Chapter “Explaining recurrent machine learning models: integral privacy revisited” is available open access under a Creative Commons Attribution 4.0 International License via [link.springer.com](http://link.springer.com).**

**Development of powerful new high- throughput technologies for probing the transcriptome, proteome and metabolome is driving the rapid acquisition of information on the function of molecular systems. The importance of these achievements cannot be understated - they have transformed the nature of both biology and medicine. Despite this dramatic progress, one of the greatest challenges that continues to confront modern biology is to understand how behavior at the level of genome, proteome and metabolome determines physiological function at the level of cell, tissue and organ in both health and disease. Because of the inherent complexity of biological systems, the development, analysis, and validation of integrative computational models based directly on experimental data is necessary to achieve this understanding. This**

**approach, known as systems biology, integrates computational and experimental approaches through iterative development of mathematical models and experimental validation and testing. The combination of these approaches allows for a mechanistic understanding of the function of complex biological systems in health and their dysfunction in disease. The National Heart, Lung, and Blood Institute (NHLBI) has recognized the importance of the systems biology approach for understanding normal physiology and perturbations associated with heart, lung, blood, and sleep diseases and disorders. In 2006, NHLBI announced the Exploratory Program in Systems Biology, followed in 2010 by the NHLBI Systems Biology Collaborations. The goal of these programs is to support collaborative teams of investigators in using experimental and computational strategies to integrate the component parts of biological networks and pathways into computational models that are based firmly on and validated using experimental data. These validated models are then applied to gain insights into the mechanisms of altered system function in disease, to generate novel hypotheses regarding these mechanisms that can be tested experimentally, and to then use the results of experiments to refine the models. The purpose of this Research Topic is to present the range of innovative, new approaches being developed by investigators working in areas of systems biology that couple experimental and modeling studies to understand the cause and possible treatment of heart, lung, blood and sleep diseases and disorders. This Research Topic will be of great interest to the cardiovascular research community as well as to the general community of systems biologists.**

**This book reports on the EU-funded 7th Framework project, Go4Hybrid (Grey Area Mitigation for Hybrid RANS-LES Methods). It presents new findings concerning the accuracy and reliability of current hybrid RANS-LES methods. It describes improved formulations of both non-zonal and embedded hybrid strategies, together with their validation in a broad range of flow cases, and highlighting some key industrial applications. The book provides students, researchers and professionals in the field of applied computational fluid dynamics with a timely, practice-oriented reference guide.**

**This Special Issue presents selected papers from the 8th Symposium on Micro-Nano Science and Technology on Micromachines, 31 October-2 November, 2017, in Hiroshima, Japan. We encouraged contributions of significant and original works in order to deeply understand physical, chemical, and biological phenomena at the micro/nano scale and to develop applied technologies. The conference covered the following main topics: 1: Precision machinery lubrication design 2: Material dynamics strength 3: Hydrodynamics 4: Thermal engineering 5: Production processing mechanical materials 6: Robotics mechatronics 7: Medical biotechnology 8: Micro/nano system The papers that attracted the most interest at the conference, or that provided novel contributions, were selected for publication in Micromachines. These papers were peer-reviewed for validation of the research results, developments and applications.**

**Political Influence and the Limits of Global Democracy**

**Educators Teachers Guide**

**Confederated International Conferences: CoopIS, DOA-SVI, and ODBASE 2012, Rome, Italy, September 10-14, 2012. Proceedings, Part I**

**Transport Survey Methods**

**Handbook Of Applied Investment Research**

**Evolution, Application and Future Directions**

**Advances in Technology Development and Research**

*This volume includes papers presented at the Fifth Annual Computational Neuroscience meeting (CNS\*96) held in Boston, Massachusetts, July 14 - 17, 1996. This collection includes 148 of the 234 papers presented at the meeting. Acceptance for meeting presentation was based on the peer review of preliminary papers originally submitted in May of 1996. The papers in this volume represent final versions of this work submitted in January of 1997. As represented by this volume, computational neuroscience continues to expand in quality, size and breadth of focus as increasing numbers of neuroscientists are taking a computational approach to understanding nervous system function. Defining computational neuroscience as the exploration of how brains compute, it is clear that there is almost no subject or area of modern neuroscience research that is not appropriate for computational studies. The CNS meetings as well as this volume reflect this scope and diversity.*

*Autonomic Nervous System provides an introduction to the latest science and detailed chapters on advances in the clinical diagnosis and treatment of autonomic system disorders. The autonomic nervous system controls all involuntary actions within the human nervous system. Core body functions regulated by the autonomic system include breathing, heartbeat, blood pressure, body temperature, perspiration, and bowel, bladder and sexual function. Our understanding of the neurotransmitters associated with the autonomic nervous system has expanded over the past 15 years associated with current research efforts and are now impacting the diagnosis and treatment of autonomic nervous system disorders by clinical neurologists. This volume is a valuable companion for neuroscience and clinical neurology researchers and practitioners. A volume in the Handbook of Clinical Neurology series, which has an unparalleled reputation as the world's most comprehensive source of information in neurology International list of contributors, including the leading workers in the field Describes the advances that have occurred in clinical neurology and the neurosciences and their impact on the understanding of neurological disorders and on patient care*

*Every three years, researchers with interest and expertise in transport survey methods meet to improve and influence the conduct of surveys that support transportation planning, policy making, modelling, and monitoring related issues for urban, regional, intercity, and international person, vehicle, and commodity movements. This book compiles the critical thinking on priority topics in contemporary transport policy and planning contexts. The contributed papers cover two key themes related to types of decision-making of importance to the development of data collection on both passenger travel and freight movements: The first theme, *Selecting the Right Survey Method*, acknowledges the fact that transport survey methods are evolving to meet both changing uses of transport survey data and the challenges of conducting surveys within contemporary society. The second theme, *Supporting Transport Planning and Policy*, recognizes that the demands on transportation data programs to support decision-making for transport planning and policy making clearly have evolved. The chapters have*

been selected with particular emphasis on the challenges of the near and medium term future to the design of transport surveys. Rapidly evolving problems and policy contexts are compelling transport researchers to advance the state-of-the-art of methods, tools, strategies and protocols, while assuring the stability and coherence of the very data from which trends can be tracked and understood and on which important decisions can be made.

*Past Glacial Environments, Second Edition*, presents a revised and updated version of the very successful first edition of Menzies' book, covering a breadth of topics with a focus on the recognition and analysis of former glacial environments, including the pre-Quaternary glaciations. The book is made up of chapters written by various geological experts from across the world, with the editor's expertise and experience bringing the chapters together. This new and updated volume includes at least 45% new material, along with five new chapters that include a section on techniques and methods. Additionally, this new edition is presented in full color and features a large collection of photographs, line diagrams, and tables with examples of glacial environments and landscapes that are drawn from a worldwide perspective. Informative knowledge boxes and case studies are included, helping users better understand critical issues and ideas. Provides the most complete reference concerning the study of glacial processes and their geological, sedimentological, and geomorphological products Comprised of chapters written by various geological experts from across the world Includes specific case studies to alert readers to important ideas and issues Uses text boxes throughout to explain key concepts from glacial literature Presents full color photographs, line diagrams, and tables throughout

*Toward A Competitive Telecommunication Industry*

*Selected Papers From the 1994 Telecommunications Policy Research Conference*

*Modeling the Fate and Effect of the Toxic Substances in the Environment*

*East Asia and Food (In)Security*

*Privacy in Statistical Databases*

*Energy Research Abstracts*

*UNESCO Chair in Data Privacy, International Conference, PSD 2020, Tarragona, Spain, September 23-25, 2020, Proceedings*

**This four-volume handbook covers important concepts and tools used in the fields of financial econometrics, mathematics, statistics, and machine learning. Econometric methods have been applied in asset pricing, corporate finance, international finance, options and futures, risk management, and in stress testing for financial institutions. This handbook discusses a variety of econometric methods, including single equation multiple regression, simultaneous equation regression, and panel data analysis, among others. It also covers statistical distributions, such as the binomial and log normal distributions, in light of their applications to portfolio theory and asset management in addition to their use in research regarding options and futures contracts. In both theory and methodology, we need to rely upon mathematics, which includes linear algebra, geometry, differential equations,**

**Stochastic differential equation (Ito calculus), optimization, constrained optimization, and others. These forms of mathematics have been used to derive capital market line, security market line (capital asset pricing model), option pricing model, portfolio analysis, and others. In recent times, an increased importance has been given to computer technology in financial research. Different computer languages and programming techniques are important tools for empirical research in finance. Hence, simulation, machine learning, big data, and financial payments are explored in this handbook. Led by Distinguished Professor Cheng Few Lee from Rutgers University, this multi-volume work integrates theoretical, methodological, and practical issues based on his years of academic and industry experience.**

**Semiannual, with semiannual and annual indexes. References to all scientific and technical literature coming from DOE, its laboratories, energy centers, and contractors. Includes all works deriving from DOE, other related government-sponsored information, and foreign nonnuclear information. Arranged under 39 categories, e.g., Biomedical sciences, basic studies; Biomedical sciences, applied studies; Health and safety; and Fusion energy. Entry gives bibliographical information and abstract. Corporate, author, subject, report number indexes. Providing an authoritative perspective on the best current research regarding telecommunication policy, this book is based on the 22nd Annual Telecommunications Policy Research Conference. The papers focus on the critical policy issues created by increasing competition in the industry. The book contains a careful analysis of local competition and interconnection, international competition, universal service issues, the Internet and emerging new methods of communication, and the first amendment problems created by changing telecommunication technology. It brings together -- in a convenient form -- a wide range of important scholarship on telecommunication policy that otherwise would require extensive research into a variety of journals, government filings, and unpublished papers.**

**This book provides in-depth coverage of the latest research and development activities concerning innovative wind energy technologies intended to replace fossil fuels on an economical basis. A characteristic feature of the various conversion concepts discussed is the use of tethered flying devices to substantially reduce the material consumption per installed**

**unit and to access wind energy at higher altitudes, where the wind is more consistent. The introductory chapter describes the emergence and economic dimension of airborne wind energy. Focusing on “Fundamentals, Modeling & Simulation”, Part I includes six contributions that describe quasi-steady as well as dynamic models and simulations of airborne wind energy systems or individual components. Shifting the spotlight to “Control, Optimization & Flight State Measurement”, Part II combines one chapter on measurement techniques with five chapters on control of kite and ground stations, and two chapters on optimization. Part III on “Concept Design & Analysis” includes three chapters that present and analyze novel harvesting concepts as well as two chapters on system component design. Part IV, which centers on “Implemented Concepts”, presents five chapters on established system concepts and one chapter about a subsystem for automatic launching and landing of kites. In closing, Part V focuses with four chapters on “Technology Deployment” related to market and financing strategies, as well as on regulation and the environment. The book builds on the success of the first volume “Airborne Wind Energy” (Springer, 2013), and offers a self-contained reference guide for researchers, scientists, professionals and students. The respective chapters were contributed by a broad variety of authors: academics, practicing engineers and inventors, all of whom are experts in their respective fields.**

**Planning and Design for Sustainable Urban Mobility**

**Central control of autonomic functions in health and disease  
China and Autocracy**

**Results of the 7th Framework Research Project Go4Hybrid,  
Funded by the European Union, 2013-2015**

**Recent Trends in Data Type Specification**

**8th International Workshop, CBCrypto 2020, Zagreb, Croatia,  
May 9-10, 2020, Revised Selected Papers**

**Risk Management in Life-Critical Systems**

An explanation of the mathematics needed as a foundation for a deep understanding of general relativity or quantum field theory. Physics is naturally expressed in mathematical language. Students new to the subject must simultaneously learn an idiomatic mathematical language and the content that is expressed in that language. It is as if they were asked to read Les Misérables while struggling with French grammar. This book offers an innovative way to learn the differential geometry needed as a foundation for a deep understanding of general relativity or quantum field theory as taught at the college level. The approach taken by the authors (and used in their classes at MIT for many years)

differs from the conventional one in several ways, including an emphasis on the development of the covariant derivative and an avoidance of the use of traditional index notation for tensors in favor of a semantically richer language of vector fields and differential forms. But the biggest single difference is the authors' integration of computer programming into their explanations. By programming a computer to interpret a formula, the student soon learns whether or not a formula is correct. Students are led to improve their program, and as a result improve their understanding.

This unique book provides a multidisciplinary review of current, climate-change research projects at universities around the globe, offering perspectives from all of the natural and social sciences. Numerous universities worldwide pursue state-of-the-art research on climate change, focussing on mitigation of its effects as well as human adaptation to it. However, the 2015 Paris 21st Conference of the Parties of the United Nations Framework Convention on Climate Change (UNFCCC) (COP 21)" demonstrated that there is still much room for improvement in the role played by universities in international negotiations and decision-making on climate change. To date, few scientific meetings have provided multidisciplinary perspectives on climate change in which researchers across the natural and social sciences could come together to exchange research findings and discuss methods relating to climate change mitigation and adaptation studies. As a result the published literature has also lacked a broad perspective. This book fills that gap and is of interest to all researchers and policy-makers concerned with global climate change regardless of their area of expertise.

The field of autonomic neuroscience research concentrates on those neural pathways and processes that ultimately modulate parasympathetic and sympathetic output to alter peripheral organ function. In the following ebook, laboratories from across the field have contributed reviews and original research to summarize current views on the role of the brain in tuning peripheral organ performance to regulate body temperature, glucose homeostasis and blood pressure.

Specially by Faisal Hussain Qureshi <http://www.employeescorner.info/>

28th International Supercomputing Conference, ISC 2013, Leipzig, Germany, June 16-20, 2013. Proceedings

Code-Based Cryptography

Addressing the Mitigation and Adaptation Challenges

Functional Differential Geometry

Global Report on Human Settlements 2013

Go4Hybrid: Grey Area Mitigation for Hybrid RANS-LES Methods

Growth and Emerging Prospects of International Islamic Banking

Modeling the Fate and Effect of the Toxic Substances in the Environment contains the proceedings of a Symposium on "Modeling the Fate and Effect of Toxic Substances in the Environment", held on June 6-10, 1983 in Copenhagen, Denmark, and sponsored by the International Society for Ecological Modeling. The symposium provided a forum for discussing the state of the art in modeling the fate and effect of toxic substances in the environment. Topics include parameter estimation, theoretical considerations, and models of a wide variety of toxic compounds in aquatic and terrestrial ecosystems. Comprised of 16 chapters, this volume begins with an account of parameter estimation in toxic substance models, followed by a discussion on extinction and persistence in models of population-toxicant interactions. The reader is then introduced to PATHWAY, a simulation model of the transport of radionuclides through agroecosystems. Subsequent chapters focus on possible cause-effect relationships in

the dying of Germany's spruce-fir forests; application of risk and uncertainty analysis techniques to a heavy metal speciation model; the biological effects of toxicants in aquatic microcosm systems; and the dispersal and biological effect of toxins in the Tamar estuary in England. The book concludes with a description of a nonlinear mathematical model for the transport and spreading of oil slicks. This book will be useful to students, practitioners, and researchers in the field of inorganic chemistry, as well as those who are interested in the environmental effects of toxic compounds.

Sustainable Food Supply Chains: Planning, Design, and Control through Interdisciplinary Methodologies provides integrated and practicable solutions that aid planners and entrepreneurs in the design and optimization of food production-distribution systems and operations and drives change toward sustainable food ecosystems. With synthesized coverage of the academic literature, this book integrates the quantitative models and tools that address each step of food supply chain operations to provide readers with easy access to support-decision quantitative and practicable methods. Broken into three parts, the book begins with introduction and problem statement. The second part presents quantitative models and tools as an integrated framework for the food supply chain system and operations design. The book concludes with the presentation of case studies and applications focused on specific food chains. Sustainable Food Supply Chains: Planning, Design, and Control through Interdisciplinary Methodologies will be an indispensable resource for food scientists, practitioners and graduate students studying food systems and other related disciplines. Contains quantitative models and tools that address the interconnected areas of the food supply chain Synthesizes academic literature related to sustainable food supply chains Deals with interdisciplinary fields of research (Industrial Systems Engineering, Food Science, Packaging Science, Decision Science, Logistics and Facility Management, Supply Chain Management, Agriculture and Land-use Planning) that dominate food supply chain systems and operations Includes case studies and applications

This book clarifies the direction of business innovation using new ICT such as the Internet of things (IoT), artificial intelligence (AI), smartphones, and cloud computing through a series of case studies on successful trials and advanced businesses in the Asia-Pacific where many industry sectors have been growing successfully in the 21st century. ICT has been playing an important role in value creation for customers and in profit generation for providers, contributing to various service innovation and business innovation. Now, digitalization using IoT and AI provides solutions to address various issues in the human society, which is transforming services and businesses in the 21st century. "What is the direction of the business innovation using new ICT?" is a highly concerned question for business researchers and practitioners. Aiming to answer the question, this book conducts a number of cases studies in the Asia-Pacific region, including the Mainland China, Taiwan, Japan, Malaysia, Vietnam, as well as Australia. Among the studies, there are 4 cases from ICT providers, 4 cases from traditional and services, and 6 cases from new ICT applications and businesses. Each case analyzes social needs and human desires, new value created, roles of new technologies, processes and difficulties in developing new businesses, the relationship among customers, providers, and stakeholders, value chain co-creation and optimization, factors of success, and business models. Finally, the direction of business innovation with new ICT in the Asia-Pacific is suggested by summarizing the findings from the case studies through the lens of the theoretical analysis in service science.

This book constitutes the refereed proceedings of the 16th International Conference on Artificial Intelligence in Education, AIED 2013, held in Memphis, TN, USA in July 2013. The 55 revised full papers presented together with 73 poster presentations were carefully reviewed and selected from a total of 168 submissions. The papers are arranged in sessions on student modeling and personalization, open-learner modeling, affective computing and engagement,

educational data mining, learning together (collaborative learning and social computing), natural language processing, pedagogical agents, metacognition and self-regulated learning, feedback and scaffolding, designed learning activities, educational games and narrative, and outreach and scaling up.

Systems Biology Approaches to Understanding the Cause and Treatment of Heart, Lung, Blood, and Sleep Disorders

Business Innovation with New ICT in the Asia-Pacific: Case Studies

Climate Change Research at Universities

An Educational View

Urdu\_English

Ionic Polymer-Metal Composites

The Multi-Agent Transport Simulation MATSim

This chapter describes a study conducted at the Swinburne University of Technology in Australia, in their School of Business. The study was to explore the applicability of a judgment-analytic decision support system to the assessment of the likelihood of an applicant being selected for admission to the School's Graduate Certificate in Business Administration (GCBA) program. The likelihood of a program administrator selecting a particular applicant is directly linked to the assessment of the likelihood of that applicant's success in the GCBA program. The purpose of this study, in effect, was to analyze the administrative judgment process in assessment of an applicant's likelihood of success in the program. THE PROCESS OF HUMAN JUDGMENT Human judgment is a process through which an individual uses social information to make decisions. The social information is obtained from an individual's environment and is interpreted through the individual's cognitive image of the environment. The cognitive image provides a representation of the environment based on past experiences and training, and essentially predisposes the person to respond to social information in predictable ways. An individual's policies or beliefs about the environment represent these patterns. Human judgments are based then upon one's interpretation of available information. They are probability statements about one's environment and how one reacts to it. This condition leads to the human judgment process being inherently limited. It is fundamentally a covert process. It is seldom possible for an individual to accurately describe his or her judgment process accurately.

This book introduces the readers to the rapidly growing literature and latest results on financial, fundamental and seasonal anomalies, stock selection modeling and portfolio management. Fifty years ago, finance professors taught the Efficient Markets Hypothesis which states that the average investor could not outperform the stock market based on technical, seasonal and fundamental data. Many, if not most faculty and investors, no longer share that opinion. In this book, the authors report original empirical evidence that applied investment research can produce statistically significant stock selection and excess portfolio returns in the US, and larger excess returns in international and emerging markets.

Risk management deals with prevention, decision-making, action taking, crisis

management and recovery, taking into account the consequences of unexpected events. The authors of this book are interested in ecological processes, human behavior, as well as the control and management of life-critical systems, which are potentially highly automated. Three main attributes define life-critical systems, i.e. safety, efficiency and comfort. They typically lead to complex and time-critical issues and can belong to domains such as transportation (trains, cars, aircraft), energy (nuclear, chemical engineering), health, telecommunications, manufacturing and services. The topics covered relate to risk management principles, methods and tools, and reliability assessment: human errors as well as system failures, socio-organizational issues of crisis occurrence and management, co-operative work including human-machine cooperation and CSCW (computer-supported cooperative work): task and function allocation, authority sharing, interactivity, situation awareness, networking and management evolution and lessons learned from Human-Centered Design.

This book constitutes the refereed proceedings of the 28th International Supercomputing Conference, ISC 2013, held in Leipzig, Germany, in June 2013. The 35 revised full papers presented together were carefully reviewed and selected from 89 submissions. The papers cover the following topics: scalable applications with 50K+ cores; performance improvements in algorithms; accelerators; performance analysis and optimization; library development; administration and management of supercomputers; energy efficiency; parallel I/O; grid and cloud.

Past Glacial Environments

Planning, Design, and Control through Interdisciplinary Methodologies

A Fresh Examination of the Sources

China Satellite Navigation Conference (CSNC) 2013 Proceedings

Proceedings of the 20th CIRP International Conference on Life Cycle Engineering, Singapore 17-19 April, 2013

19th International Conference, MMM 2012, Huangshan, China, January 7-9, 2012, Proceedings, Part II

Trends in Research, 1997

China Satellite Navigation Conference (CSNC) 2013

Proceedings BeiDou/GNSS Navigation Applications • Test & Assessment Technology • User Terminal Technology Springer Science & Business Media

China Satellite Navigation Conference (CSNC) 2013

Proceedings presents selected research papers from CSNC2013, held on 15-17 May in Wuhan, China. The theme of CSNC2013 is: BeiDou Application: Opportunities and Challenges. These papers discuss the technologies and applications of the Global Navigation Satellite System (GNSS), and the latest progress made in the China BeiDou system especially. They

are divided into 9 topics to match the corresponding sessions in CSNC2013, which broadly covered key topics in GNSS. Readers can learn about the BeiDou system and keep abreast of the latest advances in GNSS techniques and applications. SUN Jiadong is the Chief Designer of the Compass/BeiDou system, and the Academician of Chinese Academy of Sciences (CAS); JIAO Wenhai is a researcher at China Satellite Navigation Office; WU Haitao is a professor at Navigation Headquarters, CAS; SHI Chuang is a professor at Wuhan University.

What effect is China's successful autocracy having on global politics? Is it leading to the decline of democracy, and the rise of 'strong man' government worldwide? China's success economically, this collection argues, is undermining the post-war consensus that 'liberal democracy is best'. In a multi-polar, Chinese-dominated world, Trump, Putin, Erdogan, and other global leaders no longer criticize China. In fact, they frequently invoke the usefulness of 'strong' and 'united' leadership. At the same time, China seeks to wear the mantle of a great power, and in doing so talks about human rights, climate change, freedom and economic liberalism. This collection examines how China views itself and where reality meets rhetoric on trade, international relations, diplomacy, economics and social policy. The contributors expertly dissect China's autocracy, and show how a ripple effect is altering the political-model consensus around the world.

This edited volume presents the proceedings of the 20th CIRP LCE Conference, which cover various areas in life cycle engineering such as life cycle design, end-of-life management, manufacturing processes, manufacturing systems, methods and tools for sustainability, social sustainability, supply chain management, remanufacturing, etc.

Selected Papers from the 8th Symposium on Micro-Nano Science and Technology on Micromachines

16th International Conference, AIED 2013, Memphis, TN, USA, July 9-13, 2013. Proceedings

3rd Workshop on Theory and Applications of Abstract Data Types Selected Papers

Best Practice for Decision Making

Airborne Wind Energy

Autonomic Nervous System

This book focuses on electro active polymer material known as Ionic Polymer Metal Composite (IPMC) having unique applicability as sensor and actuator which finds extensive use in various domain of engineering and science research. Apart from fundamentals of the IPMC concept, various applications are covered extensively across the chapters including space, underwater and nanoscale, including manufacturing processes. Dedicated chapters are included for robotics and biomedical applications and possible research gaps. Future research perspectives for IPMC are also discussed. Features: Covers principle of Ionic Polymer Metal Composite (IPMC), manufacturing processes, applications, and future possibilities in a systematic manner Highlights IPMC practical applicability in biomedical engineering domain Explores Single-walled carbon nanotubes (SWNT) based IPMC soft actuators Discusses IPMC applications in underwater areas Includes IPMC application in robotics focusing on special compliant mechanism This book is aimed toward researchers, graduate students and professionals in materials and mechanical engineering, robotics, mechatronics, biomedical engineering, and physics.

This book presents a study of perceptions of food insecurity in East Asia, and explores how individual countries are developing strategies to deal with the situation. It also looks at how the perception of food insecurity has increasingly influenced the nature of international interactions, not just within East Asia, but also in the region's relations with major external actors. Many of the challenges facing East Asia are generic food security issues that face people and governments across the world – for example, the implications of climate change and demographic changes on food supplies. This book places the East Asian context in the wider discussion of food (in)security in global politics. However, it also identifies potential regional 'differences' – for example, the significance of rice for the region, and the unavoidable impact of China as a major regional player. What the Chinese state, and Chinese companies, decide to do in response to concerns about food insecurity have an impact not just on the rest of the region, but on the rest of the world. Taking too much of a Sinocentric focus, however, ignores other actors in East Asia, or merely relegates discussion to how they respond to Chinese policies or external strategies. This book considers the region as a whole, both when it comes to thinking about food security challenges and responses within the region itself, and also in the outward projection of regional food insecurity on the rest of the world. This book was published as a special issue of *The Pacific Review*.