
Asiasim 2013 13th International Conference On Systems Simulation Singapore November 6 8 2013 Proceedings Communications In Computer And Information Science

13th International Conference - Day 2 2nd International Summit of The Book
proceedings, 16 August 2013 -- Part 1 AIC 2013: Asian Investment Conference Book
Launch - Asia-Pacific Perspectives on International Humanitarian Law 2013 IACS
Conference - Keynote Address by Lily Kong Thirteenth SIAM Activity Group on FME
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Championship - GM Yasser Seirawan - 2013.06.26 ENG ACI 6 - Class 8 with Venerable
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Pattern Recognition and Artificial Intelligence
ACSM's Guidelines for Exercise Testing and Prescription
2020 International Conference on Smart Electronics and Communication (ICOSEC)
Network Simulation
Complex Systems Design & Management Asia
Model Free Adaptive Control
Complex Systems and Population Health
Probability Collectives
Proceedings of the 3rd International Conference on Frontiers of Intelligent

Computing: Theory and Applications (FICTA) 2014
Smart Cities and Homes
ECOWAS and the Dynamics of Conflict and Peace-building
Distributed Computing and Internet Technology
Applied Technologies
Pattern Recognition and Artificial Intelligence
Vehicular-2-X Communication
Introduction to Structured Finance
Montessori Madness
AsiaSim 2014

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BARRON ANTON

Pattern Recognition and Artificial
Intelligence Springer Nature

Created by the experienced author team of Frank Fabozzi, Henry Davis, and Moorad Choudhry, Introduction to Structured Finance examines the essential elements of this discipline. It is a convenient reference guide—which covers all the important transaction types in one place—and an excellent opportunity to enhance your understanding of finance.

**ACSM's Guidelines for Exercise
Testing and Prescription** Springer

This book discusses applications of computational intelligence in sensor networks. Consisting of twenty chapters, it addresses topics ranging from small-scale data processing to big data processing realized through sensor nodes with the help of computational approaches. Advances in sensor technology and computer networks have enabled sensor networks to evolve from small systems of large sensors to large nets of miniature sensors, from wired

communications to wireless communications, and from static to dynamic network topology. In spite of these technological advances, sensor networks still face the challenges of communicating and processing large amounts of imprecise and partial data in resource-constrained environments.

Further, optimal deployment of sensors in an environment is also seen as an intractable problem. On the other hand, computational intelligence techniques like neural networks, evolutionary computation, swarm intelligence, and fuzzy systems are gaining popularity in solving intractable problems in various disciplines including sensor networks. The contributions combine the best attributes of these two distinct fields, offering readers a comprehensive overview of the emerging research areas and presenting first-hand experience of a variety of computational intelligence approaches in sensor networks.

2020 International Conference on Smart
Electronics and Communication (ICOSEC)
African Books Collective

Information and communication have always opened opportunities for the poor to earn income, reduce isolation, and respond resiliently to emergencies. With mobile phone use exploding across the developing world, even marginalized communities are now benefiting from modern communication tools. This book

explores the impacts of this unprecedented technological change. It looks at how the poor use information and communication technologies (ICTs). How they benefit from mobile devices, computers, and the Internet, and what insights can research provide to promote affordable access to ICTs, so that communities across the developing world can take advantage of the opportunities they offer.

Network Simulation Springer

This book constitutes the thoroughly refereed proceedings of the First International Conference on Simulation of Urban Mobility, SUMO 2013, held in Berlin, Germany, in May 2013. The 12 revised full papers presented in this book were carefully selected and reviewed from 22 submissions. The papers are organized in two topical sections: models and technical innovations and applications and surveys.

Complex Systems Design & Management

Asia Springer Nature

Through specific readings and uses of Deleuze's conceptual apparatus, this volume examines the operation of human-acted systems as complex and heterogeneous arenas of affection and accountability.

Model Free Adaptive Control AsiaSim 2013

A detailed introduction to the design, implementation, and use of network simulation tools is presented. The requirements and issues faced in the design of simulators for wired and wireless networks are discussed. Abstractions such as packet- and fluid-level network models are covered. Several existing simulations are given as examples, with details and rationales regarding design decisions presented. Issues regarding performance and

scalability are discussed in detail, describing how one can utilize distributed simulation methods to increase the scale and performance of a simulation environment. Finally, a case study of two simulation tools is presented that have been developed using distributed simulation techniques. This text is essential to any student, researcher, or network architect desiring a detailed understanding of how network simulation tools are designed, implemented, and used.

Complex Systems and Population Health

Lippincott Williams & Wilkins

This book constitutes the refereed proceedings of the Third Mediterranean Conference on Pattern Recognition and Artificial Intelligence, MedPRAI 2019, held in Istanbul, Turkey, in December 2019. The 18 revised full papers and one short paper presented were carefully selected from 54 submissions. The papers are covering the topics of recent advancements in different areas of pattern recognition and artificial intelligence, such as statistical, structural and syntactic pattern recognition, machine learning, data mining, neural networks, computer vision, multimedia systems, information retrieval, etc.

Probability Collectives Springer

This book constitutes the refereed proceedings of the 17th International Conference on Mobile Web and Intelligent Information Systems, MobiWIS 2021, held as a virtual event, in August 2021. The 15 full papers presented in this book were carefully reviewed and selected from 40 submissions. The papers of MobiWIS 2021 deal focus on topics such as security and privacy; web and mobile applications; networking and communication; intelligent information systems; and IoT and ubiquitous

computing.

Proceedings of the 3rd International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA) 2014 Springer Science & Business Media

Model Free Adaptive Control: Theory and Applications summarizes theory and applications of model-free adaptive control (MFAC). MFAC is a novel adaptive control method for the unknown discrete-time nonlinear systems with time-varying parameters and time-varying structure, and the design and analysis of MFAC merely depend on the measured input and output data of the controlled plant, which makes it more applicable for many practical plants. This book covers new concepts, including pseudo partial derivative, pseudo gradient, pseudo Jacobian matrix, and generalized Lipschitz conditions, etc.; dynamic linearization approaches for nonlinear systems, such as compact-form dynamic linearization, partial-form dynamic linearization, and full-form dynamic linearization; a series of control system design methods, including MFAC prototype, model-free adaptive predictive control, model-free adaptive iterative learning control, and the corresponding stability analysis and typical applications in practice. In addition, some other important issues related to MFAC are also discussed. They are the MFAC for complex connected systems, the modularized controller designs between MFAC and other control methods, the robustness of MFAC, and the symmetric similarity for adaptive control system design. The book is written for researchers who are interested in control theory and control engineering, senior undergraduates and graduated students in engineering and applied sciences, as well as professional

engineers in process control.

SMART CITIES AND HOMES

World Scientific

Universal vehicular communication promises many improvements in terms of accident avoidance and mitigation, better utilization of roads and resources such as time and fuel, and new opportunities for infotainment applications. However, before widespread acceptance, vehicular communication must meet challenges comparable to the trouble and disbelief that accompanied the introduction of traffic lights back then. The first traffic light was installed in 1868 in London to signal railway, but only later, in 1912, was invented the first red-green electric traffic light. And roughly 50 years after the first traffic light, in 1920, the first four-way traffic signal comparable to our today's traffic lights was introduced. The introduction of traffic signals was necessary after automobiles soon became prevalent once the first car in history, actually a wooden motorcycle, was constructed in 1885. Soon, the scene became complicated, requiring the introduction of the "right-of-way" philosophy and later on the very first traffic light. In the same way the traffic light was a necessary mean to regulate the beginning of the automotive life and to protect drivers, passengers, as well as pedestrians and other inhabitants of the road infrastructure, vehicular communication is necessary to accommodate the further growth of traffic volume and to significantly reduce the number of accidents.

ECOWAS AND THE DYNAMICS OF CONFLICT AND PEACE-BUILDING

Springer

This book includes high-quality research

papers presented at the Fourth International Conference on Innovative Computing and Communication (ICICC 2021), which is held at the Shaheed Sukhdev College of Business Studies, University of Delhi, Delhi, India, on February 20-21, 2021. Introducing the innovative works of scientists, professors, research scholars, students and industrial experts in the field of computing and communication, the book promotes the transformation of fundamental research into institutional and industrialized research and the conversion of applied exploration into real-time applications.

DISTRIBUTED COMPUTING AND INTERNET TECHNOLOGY

Springer

ECOWAS and the Dynamics of Conflict and Peace-building testifies to the fact that we cannot talk of West African affairs, more so of conflict and peace-building, without talking about ECOWAS. For over two decades now, West Africa has remained one of Africa's most conflict-ridden regions. It has been a theatre of some of the most atrocious brutalities in the modern world. It has, nonetheless, witnessed one of the most ambitious internal efforts towards finding regional solutions to conflicts through ECOWAS. The lead role of ECOMOG - the ECOWAS peacekeeping force - in search of peaceful solutions to civil wars in Liberia, Sierra Leone, Guinea Bissau and Cote d'Ivoire has yielded a mix of successes and failures. In this book, the authors take a candid look at the role that ECOWAS has played and show how the sub-regional organisation has stabilised and created new conditions conducive to nation building in a number of cases. Conversely, the book shows that ECOWAS has aggravated, if not

created, new tensions in yet other cases. The comparative advantage that ECOWAS has derived from these experiences is reflected in the various mechanisms, protocols and conventions that are now in place to ensure a more comprehensive conflict prevention framework. This book provides a nuanced analysis of the above issues and other dynamics of conflicts in the region. It also interrogates the roles played by ECOWAS and various other actors in the context of the complex interplay between natural resource governance, corruption, demography and the youth bulge, gender and the conflicting interests of national, regional and international players.

Applied Technologies Springer Nature

The main purpose of this book is to introduce black rice to a wider circle of people. Although there have been research on different aspects of black rice, the information is scattered and not easily accessible to laypersons. The book intends to cover all the aspects of black rice from research, history, to its development. As such, the book will be suitable for both rice researchers and non-professionals who want to know more about this unique rice crop. Black rice, also known as forbidden rice, is packed with high level of nutrients and antioxidants. The antioxidants found in black rice is higher than the blueberries (that contain highest amount of anthocyanins). Black rice is black due to anthocyanin content in the outer layer of its kernel. Legend tells that this rice was consumed only by royals in China and it was expected that this rice would increase life span of the king. Consumption of black rice without approval was hanged. Ordinary individuals were not allowed to consume black rice. Thus this rice is also known as

forbidden rice and Emperor's rice. Now this black heirloom rice is widely available in different parts of the world. Researchers have found that black rice reduce Reactive Oxygen Species (ROS), the free radicals produced in the body which is the cause of many diseases. This rice also reduce diabetes, inflammation, heart attack, allergy and obesity; reduce the growth of cancer, improves digestive system and is panacea of many health problems. Thus this rice is also known as long life rice. Food nutritionists consider black rice as modern super foods. The cultivation method of black rice is similar to general rice cultivation practices. There are many varieties available in black rice which is of different Asian origin but Chinese black rice is the most famous among them. Black rice has a wide range of applications because its bran is used as a natural food colouring dye, and it is also used to prepare noodles, pasta, porridge, wine etc. This rice takes slightly longer time to cook than widely available white rice. In modern era, black rice serve as one of the best food materials available to us to maintain our health with regular physical exercise.

Pattern Recognition and Artificial Intelligence Oxford University Press
Network models are critical tools in business, management, science and industry. "Network Models and Optimization" presents an insightful, comprehensive, and up-to-date treatment of multiple objective genetic algorithms to network optimization problems in many disciplines, such as engineering, computer science, operations research, transportation, telecommunication, and manufacturing. The book extensively covers algorithms and applications, including shortest path problems, minimum cost flow problems,

maximum flow problems, minimum spanning tree problems, traveling salesman and postman problems, location-allocation problems, project scheduling problems, multistage-based scheduling problems, logistics network problems, communication network problem, and network models in assembly line balancing problems, and airline fleet assignment problems. The book can be used both as a student textbook and as a professional reference for practitioners who use network optimization methods to model and solve problems.

VEHICULAR-2-X COMMUNICATION

Artech House

This book features selected papers presented at Third International Conference on Nanoelectronics, Circuits and Communication Systems (NCCS 2017). Covering topics such as MEMS and nanoelectronics, wireless communications, optical communication, instrumentation, signal processing, Internet of Things, image processing, bioengineering, green energy, hybrid vehicles, environmental science, weather forecasting, cloud computing, renewable energy, RFID, CMOS sensors, actuators, transducers, telemetry systems, embedded systems, and sensor network applications in mines, it is a valuable resource for young scholars, researchers, and academics.

INTRODUCTION TO STRUCTURED FINANCE

Springer Science & Business Media

This book constitutes the proceedings of the 17th International Conference on Distributed Computing and Internet Technology, ICDCIT 2020, held in Bhubaneswar, India, in January 2021. The 13 full papers presented together

with 4 short papers were carefully reviewed and selected from 99 submissions. The papers were organized in topical sections named: invited talks, cloud computing and networks, distributed algorithms, concurrency and parallelism, graph algorithms and security, social networks and machine learning, and short papers.

Montessori Madness Morgan Kaufmann

This book provides an emerging computational intelligence tool in the framework of collective intelligence for modeling and controlling distributed multi-agent systems referred to as Probability Collectives. In the modified Probability Collectives methodology a number of constraint handling techniques are incorporated, which also reduces the computational complexity and improved the convergence and efficiency. Numerous examples and real world problems are used for illustration, which may also allow the reader to gain further insight into the associated concepts.

AsiaSim 2014 John Wiley & Sons

This book contains extended versions of the best papers presented at the First International Workshop on Distributed Computing for Emerging Smart Networks, DiCES-N 2019, held in Hammamet, Tunisia, in October 2019. The 9 revised full papers included in this volume were carefully reviewed and selected from 24 initial submissions. The papers are organized in the following topical sections: intelligent transportation systems; distributed computing for networking and communication; artificial intelligence applied to cyber physical systems.

Posthuman Ecologies Springer

This book constitutes the refereed proceedings of the 14th International Conference on Systems Simulation, Asia Simulation 2014, held in Kitakyushu, Japan, in October 2014. The 32 revised full papers presented were carefully reviewed and selected from 69 submissions. The papers are organized in topical sections on modeling and simulation technology; network simulation; high performance computing and cloud simulation; numerical simulation and visualization; simulation of instrumentation and control application; simulation technology in diversified higher education; general purpose simulation.

COMPLEXITY AND EMERGENCE

Springer

The flagship title of the certification suite from the American College of Sports Medicine, ACSM's Guidelines for Exercise Testing and Prescription is a handbook that delivers scientifically based standards on exercise testing and prescription to the certification candidate, the professional, and the student. The 9th edition focuses on evidence-based recommendations that reflect the latest research and clinical information. This manual is an essential resource for any health/fitness and clinical exercise professional, physician, nurse, physician assistant, physical and occupational therapist, dietician, and health care administrator. This manual give succinct summaries of recommended procedures for exercise testing and exercise prescription in healthy and diseased patients.

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