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Complex Systems Design & Management

Asia - Michel Alexandre Cardin 2018-11-16

This book gathers all papers presented at the third edition of the international conference "Complex Systems Design & Management Asia" (CSD&M Asia 2018), which was held at the National University of Singapore (NUS) on December 6-7, 2018. Mastering complex systems requires an integrated understanding of industrial practices as well as sophisticated theoretical techniques and tools. This vision was the inspiration for creating an annual forum in the Asia-Pacific region dedicated to bringing together academic researchers & industrial actors working on architecture, modeling & engineering of complex technical & organizational systems. These proceedings cover the latest trends in the emerging field of complex systems, both from an academic and a professional perspective. Special emphasis is placed on "Smart Transportation." The CSD&M Asia 2018 conference is organized under the guidance of CESAM Community which is managed by the non-profit organization CESAMES. The goal of CESAM Community is to structure the sharing of good practices in enterprise and systems architecture, and to certify the level of knowledge and proficiency in this field by means of CESAM certification.

[Trust and Privacy in Digital Business](#) - Simone Fischer-Hübner 2006-08-24

This book constitutes the refereed proceedings of the Third International Conference on Trust and Privacy in Digital Business, TrustBus 2006, held in conjunction with DEXA 2006. The book presents 24 carefully reviewed, revised full papers, organized in topical sections on privacy and identity management, security and risk

management, security requirements and development, privacy enhancing technologies and privacy management, access control models, trust and reputation, security protocols and more.

Energy Research Abstracts - 1985

A Practice of Anesthesia for Infants and Children E-Book - Charles J. Cote 2018-01-04

Covering everything from preoperative evaluation to neonatal emergencies to the PACU, *A Practice of Anesthesia in Infants and Children*, 6th Edition, features state-of-the-art advice on the safe, effective administration of general and regional anesthesia to young patients. It reviews underlying scientific information, addresses preoperative assessment and anesthesia management in detail, and provides guidelines for postoperative care, emergencies, and special procedures. Comprehensive in scope and thoroughly up to date, this 6th Edition delivers unsurpassed coverage of every key aspect of pediatric anesthesia.

Adaptive Instructional Systems - Robert A. Sottolare 2022-06-16

This book constitutes the refereed proceedings of the 4th International Conference on Adaptive Instructional Systems, AIS 2022, held as part of the 23rd International Conference, HCI International 2022, which was held virtually in June/July 2022. The total of 1271 papers and 275 posters included in the HCII 2022 proceedings was carefully reviewed and selected from 5487 submissions. The AIS 2022 proceedings were organized in the following topical sections: Learner Modeling and State Assessment for Adaptive Instructional Decisions; Adaptation Design to Individual Learners and Teams;

Design and Development of Adaptive Instructional Systems; Evaluating the Effectiveness of Adaptive Instructional Systems. Directory of Computer Software and Services - 1995

Science Abstracts - 1995

Advances in the Modelling of Thermodynamic Systems - Essefi, Elhoucine 2022-03-25

Thermodynamics is a common field of study involving many different specialties including physics, chemistry, geology, and cosmology. Thermodynamics is incredibly useful for manmade industrial processes related to material studies, renewable energy, and more. It is essential for professionals to stay current with the developments in thermodynamic systems, as thermodynamics proves vital for understanding natural macroprocesses related to geology, areology, and cosmology. Advances in the Modelling of Thermodynamic Systems discusses the recent advances in modeling of thermodynamic systems as well as the state-of-the-art manmade industrial processes and natural processes taking place on Earth and beyond. It reveals an interdisciplinary vision of thermodynamics from the minuscule to the immense. Covering topics such as entropy generation, linear modeling, and statistical analysis, this premier reference source is an essential resource for engineers, chemists, physicists, mechanics, geologists, cosmologists, students and educators of higher education, libraries, researchers, and academicians.

Pediatric Sedation Outside of the Operating Room - Keira P. Mason 2014-10-11

This is a major revision, updating, and expansion of the leading single-source volume on pediatric sedation outside of the operating room. Edited and written by an international roster of outstanding experts, it is the only book aimed at the broad range of specialists who deliver pediatric sedation in the non-OR setting. The Second Edition features a significant expansion of contributions from international leaders and individual new chapters on pre-sedation assessment; sedatives' short- and long-term effects on neurocognition; non-pharmacologic distractions; Michael Jackson's death and medical ethics; the role of simulation in safety

and training; and palliative sedation in terminally ill children. The specialty-specific chapters continue to be geared toward all sedation providers, regardless of where they practice and patient safety is again emphasized. Fundamental chapters provide in-depth reviews of topics which include, among others, physiology and pharmacology. The book presents the latest guidelines across the specialties, both in the United States and abroad and noteworthy, ongoing research endeavors. From reviews of the First Edition: "This meritorious volume is a splendid collection of materials from highly experienced authors...I will make extensive use of this reference as the academic medical center in which I work continues to build sedation practices and assess credentialing/privileging aspects for professionals of all fields." —Joseph R. Tobin, MD in *Journal of the American Medical Association*. "Brings together sedation practice from a broad range of specialties into one well-written pediatric text...I will certainly be using this book as a reference text in the future." — *Pediatric Anesthesia*. "The first [text] directed at all specialists that treat children who require some sedation...also recognizes the contributions to pediatric sedation of many international societies and governmental organizations...It should be on the shelves of all office-based practices." —*Journal of Neurosurgical Anesthesiology*. "With the ever-increasing opportunities to perform various investigations and therapeutic procedures, combined with increasing demands and expectations from children and their parents, the need and demand for safe and effective sedation of paediatric patients outside the operating room is increasing. Against this background, the second edition of 'Pediatric Sedation Outside the Operating Room' is a very timely addition to the anaesthesia literature."—*British Journal of Anesthesia Total Intravenous Anesthesia and Target Controlled Infusions* - Anthony R. Absalom 2017-03-01

This is a comprehensive and authoritative presentation of total intravenous anesthesia (TIVA) and target controlled infusion (TCI). The editors' international reputation has enabled them to recruit leading experts from around the

world to write single-author chapters in their area of expertise. Total Intravenous Anesthesia and Target Controlled Infusions is the first multi-disciplinary, globally authored volume on the topic. Providing a single source of information on all aspects of TIVA and TCI, from pharmacologic modeling and the pharmacology of intravenous anesthetic drugs to practical considerations in the clinical setting and the requirements of special populations, Total Intravenous Anesthesia and Target Controlled Infusions examines the debate about the risks and advantages of TIVA, analyze outcome studies, and provides guidance on creating a curriculum to teach TIVA and TCI.

Decision Intelligence Analytics and the Implementation of Strategic Business Management - P. Mary Jeyanthi 2021

This book presents a framework for developing an analytics strategy that includes a range of activities, from problem definition and data collection to data warehousing, analysis, and decision making. The authors examine best practices in team analytics strategies such as player evaluation, game strategy, and training and performance. They also explore the way in which organizations can use analytics to drive additional revenue and operate more efficiently. The authors provide keys to building and organizing a decision intelligence analytics that delivers insights into all parts of an organization. The book examines the criteria and tools for evaluating and selecting decision intelligence analytics technologies and the applicability of strategies for fostering a culture that prioritizes data-driven decision making. Each chapter is carefully segmented to enable the reader to gain knowledge in business intelligence, decision making and artificial intelligence in a strategic management context. Discusses analytics of decision intelligence and strategic management support; Focuses on organizational concerns that can be solved through business intelligence and artificial intelligence; Presents real-life scenarios and analytics to effectively develop and deploy techniques to enhance an organization's decision-making capability.

Basic ICT Skills & Shortcut Keys - Rohit Kataria 2022-01-03

This Book include Basic ICT Skills & Shortcut Keys to make everyone as professional to use

various software's like:- MS-Office, Adobe Photoshop, Corel DRAW ,Adobe Page Maker, Corel PaintShop Pro, Chrome Browser etc... Mr. Rohit Kataria found that every student have a great desire to acquire shortcut methods to learn Computers/IT. Computers have always played a major role in every work in this world. In these days every person is eager for technology in itself, just as technology has made every task much easier for them. So this book has been prepared by the author with the idea that in the present time everyone should make himself as professional in Computer/IT field. This book will be helpful for those also who are pursuing academic courses on the subject. Even though they are reading academic books for this, they still need to learn the techniques of it. *The New Age Urban Transportation Systems, Volume I* - Sundaravalli Narayanaswami 2019-03-04

Urbanization is a global phenomenon that hugely constrains existing transportation infrastructure in cities. Urban transportation (UT) challenges are more significant in developing countries with rapid development as the land occupation is dense. Limited urban space and infrastructure fail to meet the increasing traffic demands and to provide reasonable service quality. Therefore betterment of UT systems is more required than ever. Infrastructural development and transportation operations are mainly directed at citizen welfare and it requires huge capital investments. States initiate urban development by inviting private participation so that operational and commercial risks are minimized and quality of execution is better. Several aspects in planning and management of global UT projects are common. But the approach and solutions are typically developed for a local context and relevance. Specific UT challenges are land use planning, socioeconomic distribution, project designing, implementation, financial analysis and governmental policies. A comprehensive background of UT systems, challenges involved and various approaches adopted by different countries are presented along with five real-life Asian cases. The book is aimed as a one-point reference on modern day developments on urban transportation for a readership of consultants, practitioners, developers, policy makers, and

academicians .

PC Upgrading and Maintenance - Smart Computing 1999

Step-by-step instructions and hundreds of illustrations walk readers through the toughest upgrades and repairs, with 650 pages of user-friendly information. A troubleshooting section features questions most computer tech support people encounter.

Holistic Approach to Quantum Cryptography in Cyber Security - Shashi Bhushan 2022-08-09

This new book discusses the concepts while also highlighting the challenges in the field of quantum cryptography and also covering cryptographic techniques and cyber security techniques, in a single volume. It

comprehensively covers important topics in the field of quantum cryptography with applications, including quantum key distribution, position-based quantum cryptography, quantum teleportation, quantum e-commerce, quantum cloning, cyber security techniques' architectures and design, cyber security techniques management, software-defined networks, and cyber security techniques for 5G communication. The text also discusses the security of practical quantum key distribution systems, applications and algorithms developed for quantum cryptography, as well as cyber security through quantum computing and quantum cryptography. The text will be beneficial for graduate students, academic researchers, and professionals working in the fields of electrical engineering, electronics and communications engineering, computer science, and information technology.

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[Handbook of Research on Records and Information Management Strategies for Enhanced Knowledge Coordination](#) - Chisita, Colledge Takaingenhamo 2021-01-15

The convergence of technologies and emergence of interdisciplinary and transdisciplinary modus of knowledge production justify the need for research that explores the disinterestedness or interconnectivity of the information science disciplines. The quantum leap in knowledge production, increasing demand for information and knowledge, changing information needs, information governance, and proliferation of digital technologies in the era of ubiquitous digital technologies justify research that employs a holistic approach in x-raying the challenges of

managing information in an increasingly knowledge- and technology-driven dispensation. The changing nature of knowledge production for sustainable development, along with trends and theory for enhanced knowledge coordination, deserve focus in current times. The Handbook of Research on Records and Information Management Strategies for Enhanced Knowledge Coordination draws input from experts involved in records management, information science, library science, memory, and digital technology, creating a vanguard compendium of novel trends and praxis. While highlighting a vast array of topics under the scope of library science, information science, knowledge transfer, records management, and more, this book is ideally designed for knowledge and information managers, library and information science schools, policymakers, practitioners, stakeholders, administrators, researchers, academicians, and students interested in records and information management.

Human Factors in Transportation - Katie Plant and Gesa Praetorius 2022-07-24

Human Factors in Transportation Proceedings of the 13th International Conference on Applied Human Factors and Ergonomics (AHFE 2022), July 24-28, 2022, New York, USA

Information Technology in Education and Research - 1998

Proceedings of a National Expository Workshop-cum-Exhibition on Information and Communication Technology in Education INSA NEW-ICTE '96 held during Oct. 28-30, 1996 and an International Planning Workshop (UNESCO-CICT Workshop) during Mar. 2-4, 1997.

11th International Symposium on Process Systems Engineering - PSE2012 - 2012-12-31

While the PSE community continues its focus on understanding, synthesizing, modeling, designing, simulating, analyzing, diagnosing, operating, controlling, managing, and optimizing a host of chemical and related industries using the systems approach, the boundaries of PSE research have expanded considerably over the years. While early PSE research was largely concerned with individual units and plants, the current research spans wide ranges of scales in size (molecules to processing units to plants to global multinational enterprises to global supply

chain networks; biological cells to ecological webs) and time (instantaneous molecular interactions to months of plant operation to years of strategic planning). The changes and challenges brought about by increasing globalization and the the common global issues of energy, sustainability, and environment provide the motivation for the theme of PSE2012: Process Systems Engineering and Decision Support for the Flat World. Each theme includes an invited chapter based on the plenary presentation by an eminent academic or industrial researcher Reports on the state-of-the-art advances in the various fields of process systems engineering Addresses common global problems and the research being done to solve them

Pediatric Anesthesia - Bruno Bissonnette
2014-05-14

No longer merely a subspecialty, pediatric anesthesia is now a professional entity in its own right, as is amply demonstrated in this comprehensive addition to the medical and surgical literature. Pediatric Anesthesia: Basic Principles-State of the Art-Future comprises the contributions of 150 experts in the field from all over the world, providing this book with a truly global perspective. This textbook will help anesthesiologists already interested in pediatric anesthesia to the knowledge and skills inherent to the safe practice of anesthesia for infants and children.

Pediatric Sedation Outside of the Operating Room - Keira P. Mason, MD 2021-04-13

This book functions as an essential guide to the safe and effective sedation of pediatric patients outside the operating room. It is a multidisciplinary reference that features an international authorship and is also of use for a broad range of specialists who deliver pediatric sedation in the non-OR setting. Organized into four parts, Pediatric Sedation Outside of the Operating Room 3rd edition, begins with the foundational history of the pediatric sedation field. Subsequent chapters explore the basics of procedural sedation, pre-sedation assessments, and sedation policies across various specialties and continents. Part two then examines a multitude of sedation models divided by geographical location and subspecialty. Following this, Part three delves into standards

of safety in sedation, including medicolegal risk factors, neurocognitive side effects, and aspiration risks. The book closes with chapters presenting discussions on the future of sedation, insofar as predictions for the role of simulation, medical malpractice, and the intersection of sedation and marijuana. An updated invaluable successor edition, Pediatric Sedation Outside of the Operating Room 3rd edition is accessible to a diverse group of sedation providers from all specialties. This textbook is an invaluable and necessary addition to all sedation providers worldwide.

Fundamentals of Signals and Systems - Benoit Boulet 2006

This book is a self-contained introduction to the theory of signals and systems, which lies at the basis of many areas of electrical and computer engineering. In the seventy short ?glectures,?h formatted to facilitate self-learning and to provide easy reference, the book covers such topics as linear time-invariant (LTI) systems, the Fourier transform, the Laplace Transform and its application to LTI differential systems, state-space systems, the z-transform, signal analysis using MATLAB, and the application of transform techniques to communication systems. A wide array of technologies, including feedback control, analog and discrete-time fi lters, modulation, and sampling systems are discussed in connection with their basis in signals and systems theory. The accompanying CD-ROM includes applets, source code, sample examinations, and exercises with selected solutions.

Sensemaking in Safety Critical and Complex Situations - Stig Ole Johnsen 2021-07-14

Sensemaking in Safety Critical and Complex Situations: Human Factors and Design Human factors-based design that supports the strengths and weaknesses of humans are often missed during the concept and design of complex technical systems. With the focus on digitalization and automation, the human actor is often left out of the loop but needs to step in during safety-critical situations. This book describes how human factors and sensemaking can be used as part of the concept and design of safety critical systems in order to improve safety and resilience. This book discusses the challenges of automation and automated

systems when humans are left out of the loop and then need to intervene when the situation calls for it. It covers human control and accepts that humans must handle the unexpected and describes methods to support this. It is based on recent accident analysis involving autonomous systems that move our understanding forward and supports a more modern view on human errors to improve safety in industries such as shipping and marine. The book is for human factors and ergonomists, safety engineers, designers involved in safety critical work and students. Stig Ole Johnsen is a Senior Researcher at SINTEF in Norway. He has a PhD from NTNU in Norway with a focus on resilience in complex socio-technical systems and has a Master's in Technology Management from MIT/NTNU. He chairs the Human Factors in Control network (HFC) in Norway to strengthen the human factors focus during development and implementation of safety critical technology. His research interests include meaningful human control to support safety and resilience during automation and digitalization. Thomas Porathe has a degree in Information Design from Malardalen University in Sweden. He is currently Professor of Interaction Design at the Norwegian University of Science and Technology in Trondheim, Norway. He specializes in maritime human factors and design of maritime information systems, specifically directed towards control room design, e-navigation and autonomous ships. He has been working with e-Navigation since 2006 in EU projects such as BLAST, EfficienSea, MONALISA, ACCSEAS, SESAME and the unmanned ship project MUNIN. He is active in the International Association of Aids to Navigation and Lighthouse Authorities (IALA). Satellite Communications Systems Engineering -

Louis J. Ippolito, Jr. 2017-02-28
The first edition of Satellite Communications Systems Engineering (Wiley 2008) was written for those concerned with the design and performance of satellite communications systems employed in fixed point to point, broadcasting, mobile, radio navigation, data relay, computer communications, and related satellite based applications. This welcome Second Edition continues the basic premise and enhances the publication with the latest updated

information and new technologies developed since the publication of the first edition. The book is based on graduate level satellite communications course material and has served as the primary text for electrical engineering Masters and Doctoral level courses in satellite communications and related areas. Introductory to advanced engineering level students in electrical, communications and wireless network courses, and electrical engineers, communications engineers, systems engineers, and wireless network engineers looking for a refresher will find this essential text invaluable. Computer Science Question Bank - S K Basandra

Operation, Construction, and Functionality of Direct Current Machines - Amin, Muhammad 2015-04-30

Direct current machines are a quickly evolving domain whose applications affect many aspects of modern life from computers and printers to toys, electric vehicles, and traction applications. As their many uses continue to grow, it has become apparent that understanding these machines is the key to understanding our future. Operation, Construction, and Functionality of Direct Current Machines brings together many concepts, from the most basic working principles and construction of DC machines to more advanced topics such as electro-magnetism, armature reaction, parallel operations, and many more. Highlighting theoretical concepts and numerical problems, this book is an essential reference source for students, educators, and anyone interested in the field of electric machines.

Economics of Grids, Clouds, Systems, and Services - Congduc Pham 2017-10-14

This book constitutes the refereed proceedings of the 14th International Conference on Economics of Grids, Clouds, Systems, and Services, GECON 2017, held in Biarritz, France, in September 2017. The 10 full papers and 10 short papers presented together with 3 invited talks were carefully reviewed and selected from 38 submissions. This volume of the GECON 2017 proceedings has been structured in sections following the sessions that comprised the conference program: Pricing in Cloud and Quality of Service, Work in Progress on Service Management, Work in Progress on Business

models and Community Cooperation, Work in Progress on Energy Efficiency and Resource Management, Resource Management, Edge Computing, Cloud Federation; and Work in Progress on Service Selection and Coordination.

Modelling and Simulation in Science, Technology and Engineering Mathematics - Surajit Chattopadhyay 2018-10-24

This volume contains the peer-reviewed proceedings of the International Conference on Modelling and Simulation (MS-17), held in Kolkata, India, 4th-5th November 2017, organized by the Association for the Advancement of Modelling and Simulation Techniques in Enterprises (AMSE, France) in association with the Institution of Engineering Technology (IET, UK), Kolkata Network. The contributions contained here showcase some recent advances in modelling and simulation across various aspects of science and technology. This book brings together articles describing applications of modelling and simulation techniques in fields as diverse as physics, mathematics, electrical engineering, industrial electronics, control, automation, power systems, energy and robotics. It includes a special section on mechanical, fuzzy, optical and opto-electronic control of oscillations. It provides a snapshot of the state of the art in modelling and simulation methods and their applications, and will be of interest to researchers and engineering professionals from industry, academia and research organizations.

Information Assurance, Security and Privacy Services - H. Raghav Rao 2009-05-29

Focuses on Information Assurance, Security and Privacy Services. This book discusses Program Security, Data Security and Authentication, Internet Scourges, Web Security, Usable Security, Human-Centric Aspects, Security, Privacy and Access Control, Economic Aspects of Security, Threat Modeling, Intrusion and Response.

Risk, Reliability and Safety: Innovating Theory and Practice - Lesley Walls 2016-11-25
Risk, Reliability and Safety contains papers describing innovations in theory and practice contributed to the scientific programme of the European Safety and Reliability conference (ESREL 2016), held at the University of Strathclyde in Glasgow, Scotland (25–29

September 2016). Authors include scientists, academics, practitioners, regulators and other key individuals with expertise and experience relevant to specific areas. Papers include domain specific applications as well as general modelling methods. Papers cover evaluation of contemporary solutions, exploration of future challenges, and exposition of concepts, methods and processes. Topics include human factors, occupational health and safety, dynamic and systems reliability modelling, maintenance optimisation, uncertainty analysis, resilience assessment, risk and crisis management.

Official Gazette of the United States Patent and Trademark Office - 2002

Frontiers in Radiation Oncology - Tejinder Kataria 2013-07-03

The mode of action by radiation is postulated to be the production of double strand breaks of DNA. The repair of double strand breaks occurs through non homologous end joining through acetylation of histone proteins by histone acetyltransferases (HATs). The fixation of double strand breaks through HAT inhibitors is a promising application for radiation sensitization in the clinic. P53 is a tumour suppressor gene and its mutation has been implicated in 60% of human cancers. As one of the pivotal anticancer genes, P53 controls the transcription and translation of a series of genes. The kinetics of DNA double strand break generation and their co relation to P53 status, ATM and ARF activation are computed and modelled for understanding the potential of such research.

Crop-livestock interactions and livelihoods in the trans-Gangetic Plains, India - 2007-01-01

A Practice of Anesthesia for Infants and Children - Charles J. Cote, MD 2013-01-25

Provide optimal anesthetic care to your young patients with *A Practice of Anesthesia in Infants and Children*, 5th Edition, by Drs. Charles J. Cote, Jerrold Lerman, and Brian J. Anderson. 110 experts representing 10 different countries on 6 continents bring you complete coverage of the safe, effective administration of general and regional anesthesia to infants and children - covering standard techniques as well as the very latest advances. Find authoritative answers on everything from preoperative evaluation through

neonatal emergencies to the PACU. Get a free laminated pocket reference guide inside the book! Quickly review underlying scientific concepts and benefit from expert information on preoperative assessment and anesthesia management, postoperative care, emergencies, and special procedures. Stay on the cutting edge of management of emergence agitation, sleep-disordered breathing and postoperative vomiting; the use of new devices such as cuffed endotracheal tubes and new airway devices; and much more. Familiarize yourself with the full range of available new drugs, including those used for premedication and emergence from anesthesia. Benefit from numerous new figures and tables that facilitate easier retention of the material; new insights from neonatologists and neonatal pharmacologists; quick summaries of each chapter; and more than 1,000 illustrations that clarify key concepts. Access the entire text online, fully searchable, at www.expertconsult.com, plus an extensive video library covering simulation, pediatric airway management, burn injuries, ultra-sound guided regional anesthesia, and much more; and new online-only sections, tables and figures.

Proceedings of the Asia Pacific Conference on Parallel and Distributed Computing Technologies - P. Venkata Krishna 2004

Contributed papers presented at the conference held on 13-15 December, 2004, at Vellore, India. [Democracy on Trial, All Rise!](#) - Anuradha Kataria 2011

There is a widening gap between democracy as a theory and its practice. While supposedly a solution to the problems of the developing world, in practice democracy has more often led to instability, civil wars, genocides, fundamentalism, crime and corruption. In contrast, in the West, voting rights were extended gradually over a century or two, in tandem with economic empowerment and also social awakening. The democratic republics that "evolved" out of this long process were stable and progressive. In the developing world, a shortcut to the end and "premature political opening up" has proven disastrous for many a nation like Nigeria, Iraq, Congo, Kenya, Pakistan, South Africa etc. Even in the few stable ones like India, democracy has failed to make a dent in poverty alleviation and has

instead got caught in divisive election stunts. At the same time, some unitary states like China have surged far ahead of others and broken out of the "largely poor and deteriorating" mould. Why? What are the reasons democracy does not work in the developing world? Could it be made to work through improvements or is it the wrong model altogether? The notion that democracy is going to transform our world holds little credence to anyone who has witnessed its true colors like the author has, hailing from India and also having lived in China and some other countries. Thus as a scientist and researcher, she has studied the history, politics and economics of some 150 countries across the world. The book delves into the complex world of subversive election winning strategies, secession movements, coalition governments, the meaning of freedom to people living amidst violence and poverty as well as a study of other sociopolitical systems. Without any a priori theories, willing to go where the evidence leads, the author is able to point out the "Emperor's new clothes" for what they truly are. It may be time to challenge our perfect theory as democracy may not be the answer to the developing world's problems. The quest for truth leads us to surprising answers in terms of progressive transient alternatives for the developing world as well as some pointers for streamlining democracy, the system per se. Democracy on Trial is a compelling discovery of fresh answers and pragmatic solutions to the pressing problems of our times - from large scale abject poverty in developing countries across Asia and Africa to many civil wars and ongoing mayhem in others. One book that comes close to the perspective in Democracy on Trial All Rise! is The Future of Freedom by Fareed Zakaria. Zakaria's is the first book to acknowledge democracy's failure in the developing world, but it leaves the important question 'what is the alternative' largely unanswered and falls back on rationalizations to conclude. Most of the current literature on democracy is primarily theoretical in nature and addresses some of its faults but democracy per se is eulogized. The new title is different in that it answers the question of 'what is the alternative' or a way forward based on an empirical analysis that carries the reader along to the conclusions. The perspective is new, as yet unexplored, and marries the progressive

with the pragmatic.

Service-Oriented Computing - ICSOC 2021 Workshops - Hakim Hacid 2022-08-23

This book constitutes the selected papers from the scientific satellite events held in conjunction with the 19th International Conference on Service-Oriented Computing, ICSOC 2021. The conference was held Dubai, United Arab Emirates in November 2021. This year, these satellite events were organized around three main tracks, including a workshop track, a demonstration track, and a tutorials track. The ICSOC 2021 workshop track consisted of the following three workshops covering a wide range of topics that fall into the general area of service computing. • International Workshop on Artificial Intelligence for IT Operations (AIOps) • 3rd Workshop on Smart Data Integration and Processing (STRAPS 2021) • International Workshop on AI-enabled Process Automation (AI-PA 2021)

Service Supply Chain Systems - Tsan-Ming Choi 2016-04-14

Supply chain management is a well-developed area. The traditional supply chains are dynamic systems which include the forward and reverse flows of physical products and the related information and fund. However, a service supply chain is different because the real "product" may take the form of a "service" which implies that many traditionally crucial

Engineering Interventions in Sustainable Trickle Irrigation - Megh R. Goyal 2018-05-04

Improving agricultural water use efficiency (WUE) is vitally important in many parts of the world due to the decreasing availability of water resources and the increasing competition for water between different users. Micro irrigation is an effective tool for conserving water resources. Studies have revealed a significant water savings, ranging from 40% to 70% under drip irrigation compared with surface irrigation. This new volume, Engineering Interventions in Sustainable Trickle Irrigation: Irrigation Requirements and Uniformity, Fertigation, and Crop Performance, presents valuable research that evaluates crop water and fertigation requirements, examines optimum irrigation and fertigation scheduling, and analyzes the performance of agricultural crops under micro irrigation. With an interdisciplinary perspective,

this volume addresses the urgent need to explore and investigate the current shortcomings and challenges of water resources engineering, especially in micro irrigation engineering. The volume discusses crop water requirements, fertigation technology, and performance of agricultural crops under best management practices. The chapter authors present research studies on drip irrigated tomato, chilies, cucumber, eggplant, cabbage, garlic, sugarcane maize, cashew nut, sapota, banana, mango, and blueberries. Removing the research gap, this volume provides new information that will be valuable to those involved in micro irrigation engineering.

Confluence of AI, Machine, and Deep Learning in Cyber Forensics - Misra, Sanjay 2020-12-18

Developing a knowledge model helps to formalize the difficult task of analyzing crime incidents in addition to preserving and presenting the digital evidence for legal processing. The use of data analytics techniques to collect evidence assists forensic investigators in following the standard set of forensic procedures, techniques, and methods used for evidence collection and extraction. Varieties of data sources and information can be uniquely identified, physically isolated from the crime scene, protected, stored, and transmitted for investigation using AI techniques. With such large volumes of forensic data being processed, different deep learning techniques may be employed. Confluence of AI, Machine, and Deep Learning in Cyber Forensics contains cutting-edge research on the latest AI techniques being used to design and build solutions that address prevailing issues in cyber forensics and that will support efficient and effective investigations. This book seeks to understand the value of the deep learning algorithm to handle evidence data as well as the usage of neural networks to analyze investigation data. Other themes that are explored include machine learning algorithms that allow machines to interact with the evidence, deep learning algorithms that can handle evidence acquisition and preservation, and techniques in both fields that allow for the analysis of huge amounts of data collected during a forensic investigation. This book is ideally intended for forensics experts, forensic

investigators, cyber forensic practitioners,
researchers, academicians, and students

interested in cyber forensics, computer science
and engineering, information technology, and
electronics and communication.