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Bridge Maintenance, Safety, Management and Life-Cycle Optimization - Dan Frangopol 2010-07-07

Bridge Maintenance, Safety, Management and Life-Cycle Optimization contains the lectures and papers presented at IABMAS 2010, the Fifth International Conference of the International Association for Bridge Maintenance and Safety (IABMAS), held in Philadelphia, Pennsylvania, USA from July 11 through 15, 2010. All major aspects of bridge maintenance, s

HCI International 2020 - Posters - Constantine Stephanidis 2020-07-15

The three-volume set CCIS 1224, CCIS 1225, and CCIS 1226 contains the extended abstracts of the posters presented during the 21st International Conference on Human-Computer Interaction, HCII 2020, which took place in Copenhagen, Denmark, in July 2020.* HCII 2020 received a total of 6326 submissions, of which 1439 papers and 238 posters were accepted for publication in the pre-conference proceedings after a careful reviewing process. The 238 papers presented in these three volumes are organized in topical sections as follows: Part I: design and evaluation methods and tools; user characteristics, requirements and preferences; multimodal and natural interaction; recognizing human psychological states; user experience studies; human perception and cognition. -AI in HCI. Part II: virtual, augmented and mixed reality; virtual humans and motion modelling and tracking; learning technology. Part III: universal access, accessibility and design for the elderly; smartphones, social media and human behavior; interacting with cultural heritage; human-vehicle interaction; transport, safety and crisis management; security, privacy and trust; product and service design.

*The conference was held virtually due to the COVID-19 pandemic. The chapter "Developing an Interactive Tabletop Mediated Activity to Induce Collaboration by Implementing Design Considerations Based on Cooperative Learning Principles" is available open access under a Creative Commons Attribution 4.0 International License via link.springer.com.

Handbook of AI-based Metaheuristics - Anand J. Kulkarni 2021-09-02

At the heart of the optimization domain are mathematical modeling of the problem and the solution methodologies. The problems are becoming larger and with growing complexity. Such problems are becoming cumbersome when handled by traditional optimization methods. This has motivated researchers to resort to artificial intelligence (AI)-based, nature-inspired solution methodologies or algorithms. The Handbook of AI-based Metaheuristics provides a wide-ranging reference to the theoretical and mathematical formulations of metaheuristics, including bio-inspired, swarm-based, socio-cultural, and physics-based methods or algorithms; their testing and validation, along with detailed illustrative solutions and applications; and newly devised metaheuristic algorithms. This will be a valuable reference for researchers in industry and academia, as well as for all Master's and PhD students working in the metaheuristics and applications domains.

Introduction to Information Retrieval - Christopher D. Manning 2008-07-07

Class-tested and coherent, this textbook teaches classical and web information retrieval, including web search and the related areas of text classification and text clustering from basic concepts. It gives an up-to-date treatment of all aspects of the design and implementation of systems for gathering, indexing, and searching documents; methods for evaluating systems; and an introduction to the use of machine learning methods on text collections. All the important ideas are explained using examples and figures, making it perfect for introductory courses in information retrieval for advanced undergraduates and graduate students in computer science. Based on feedback from extensive classroom experience, the book has been carefully structured in order to make teaching more natural and effective. Slides and additional exercises (with solutions for lecturers) are also available through the

book's supporting website to help course instructors prepare their lectures.

Seismic Design Manual, 3rd Edition - 2018-07

Unified Design of Steel Structures - Louis F. Geschwindner 2011-12-20
Geschwindner's 2nd edition of *Unified Design of Steel Structures* provides an understanding that structural analysis and design are two integrated processes as well as the necessary skills and knowledge in investigating, designing, and detailing steel structures utilizing the latest design methods according to the AISC Code. The goal is to prepare readers to work in design offices as designers and in the field as inspectors. This new edition is compatible with the 2011 AISC code as well as marginal references to the AISC manual for design examples and illustrations, which was seen as a real advantage by the survey respondents. Furthermore, new sections have been added on: Direct Analysis, Torsional and flexural-torsional buckling of columns, Filled HSS columns, and Composite column interaction. More real-world examples are included in addition to new use of three-dimensional illustrations in the book and in the image gallery; an increased number of homework problems; and media approach Solutions Manual, Image Gallery.

New Contributions in Information Systems and Technologies - Alvaro Rocha 2015-03-16

This book contains a selection of articles from The 2015 World Conference on Information Systems and Technologies (WorldCIST'15), held between the 1st and 3rd of April in Funchal, Madeira, Portugal, a global forum for researchers and practitioners to present and discuss recent results and innovations, current trends, professional experiences and challenges of modern Information Systems and Technologies research, technological development and applications. The main topics covered are: Information and Knowledge Management; Organizational Models and Information Systems; Intelligent and Decision Support Systems; Big Data Analytics and Applications; Software Systems, Architectures, Applications and Tools; Multimedia Systems and Applications; Computer Networks, Mobility and Pervasive Systems; Human-Computer Interaction; Health Informatics; Information Technologies in Education; Information Technologies in Radio communications.

IB World Schools Yearbook 2021 - Jonathan Barnes 2021-01-25

The Official Guide to Schools Offering the International Baccalaureate Primary Years, Middle Years, Diploma and Career-related Programmes.

Theory and Design of Seismic Resistant Steel Frames - Federico Mazzolani 2012-09-10

A state-of-the-art summary of recent developments in the behaviour, analysis and design of seismic resistant steel frames. Much more than a simple background volume, it gives the most recent results which can be used in the near future to improve the codified recommendations for steel structures in seismic zones. It contains new material which can

Universal Access in Human-Computer Interaction. Design Approaches and Supporting Technologies - Margherita Antona 2020-07-10

This two-volume set of LNCS 12188 and 12189 constitutes the refereed proceedings of the 14th International Conference on Universal Access in Human-Computer Interaction, UAHCI 2020, held as part of the 22nd International Conference, HCI International 2020, which took place in Copenhagen, Denmark, in July 2020. The conference was held virtually due to the COVID-19 pandemic. The total of 1439 papers and 238 posters have been accepted for publication in the HCII 2020 proceedings from a total of 6326 submissions. UAHCI 2020 includes a total of 80 regular papers which are organized in topical sections named: Design for All Theory, Methods and Practice; User Interfaces and Interaction Techniques for Universal Access; Web Accessibility; Virtual and Augmented Reality for Universal Access; Robots in Universal Access; Technologies for Autism Spectrum Disorders; Technologies for Deaf

Users; Universal Access to Learning and Education; Social Media, Digital Services, eInclusion and Innovation; Intelligent Assistive Environments. The 11th IFToMM International Symposium on Science of Mechanisms and Machines - Ion Visa 2013-10-18

The general topic of the symposium follows mechanisms development through all stages of conception, modeling, analysis, synthesis and control to advanced product design. This volume brings together the latest results in the field and celebrates a series of conferences that has been running for 40 years. The contributors and the editor are world leaders in their field.

Connections in Steel Structures - R. Bjorhovde 1988-02-19

This book is the Proceedings of a State-of-the-Art Workshop on Connections and the Behaviour, Strength and Design of Steel Structures held at Laboratoire de Mecanique et Technologie, Ecole Normale, Cachan France from 25th to 27th May 1987. It contains the papers presented at the above proceedings and is split into eight main sections covering: Local Analysis of Joints, Mathematical Models, Classification, Frame Analysis, Frame Stability and Simplified Methods, Design Requirements, Data Base Organisation, Research and Development Needs. With papers from 50 international contributors this text will provide essential reading for all those involved with steel structures.

Intelligent and Fuzzy Techniques in Big Data Analytics and Decision Making - Cengiz Kahraman 2019-07-05

This book includes the proceedings of the Intelligent and Fuzzy Techniques INFUS 2019 Conference, held in Istanbul, Turkey, on July 23-25, 2019. Big data analytics refers to the strategy of analyzing large volumes of data, or big data, gathered from a wide variety of sources, including social networks, videos, digital images, sensors, and sales transaction records. Big data analytics allows data scientists and various other users to evaluate large volumes of transaction data and other data sources that traditional business systems would be unable to tackle. Data-driven and knowledge-driven approaches and techniques have been widely used in intelligent decision-making, and they are increasingly attracting attention due to their importance and effectiveness in addressing uncertainty and incompleteness. INFUS 2019 focused on intelligent and fuzzy systems with applications in big data analytics and decision-making, providing an international forum that brought together those actively involved in areas of interest to data science and knowledge engineering. These proceedings feature about 150 peer-reviewed papers from countries such as China, Iran, Turkey, Malaysia, India, USA, Spain, France, Poland, Mexico, Bulgaria, Algeria, Pakistan, Australia, Lebanon, and Czech Republic.

Progress in Advanced Computing and Intelligent Engineering - Chhabi Rani Panigrahi 2020-10-29

This book features high-quality research papers presented at the 4th International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2019), Department of Computer Science, Rama Devi Women's University, Bhubaneswar, Odisha, India. It includes sections describing technical advances and contemporary research in the fields of advanced computing and intelligent engineering, which are based on the presented articles. Intended for postgraduate students and researchers working in the discipline of computer science and engineering, the book also appeals to researchers in the domain of electronics as it covers hardware technologies and future communication technologies.

Coastal Engineering Manual Part VI: Design of Coastal Project Elements (Em 1110-2-1100) - U.S. Army Corps Of Engineers 2012-11-01

Full color publication. The Coastal Engineering Manual (CEM) assembles in a single source the current state-of-the-art in coastal engineering to provide appropriate guidance for application of techniques and methods to the solution of most coastal engineering problems. The CEM provides a standard for the formulation, design, and expected performance of a broad variety of coastal projects. These projects are undertaken to provide or improve navigation at commercial harbors, harbor works for commercial fish handling and service facilities, and recreational boating facilities. As an adjunct to navigation improvements, shore protection projects are often required to mitigate the impacts of navigation projects. Beach erosion control and hurricane or coastal storm protection projects provide wave damage reduction and flood protection to valuable coastal commercial, urban, and tourist communities. Environmental restoration projects provide a rational layout and proven approach to restoring the coastal and tidal environs where such action may be justified, or required as mitigation to a coastal project's impacts, or as mitigation for the

impact of some previous coastal activity, incident, or neglect. As the much expanded replacement document for the Shore Protection Manual (1984) and several other U.S. Army Corps of Engineers (USACE) manuals, the CEM provides a much broader field of guidance. Part VI "Design of Coastal Project Elements" includes chapters discussing philosophy of coastal structure design, the various types and function of coastal structures, site conditions, materials, design fundamentals, reliability, and the design of specific project elements (including a sloping-front structure, vertical-front structure, beach fill, floating structure, pile structure, and a pipeline and outfall structure).

Architecturally Exposed Structural Steel - Terri Meyer Boake 2015-02-17

This book provides the means for a better control and purposeful consideration of the design of Architecturally Exposed Structural Steel (AESS). It deploys a detailed categorization of AESS and its uses according to design context, building typology and visual exposure. In a rare combination, this approach makes high quality benchmarks compatible with economies in terms of material use, fabrication methods, workforce and cost. Building with exposed steel has become more and more popular worldwide, also as advances in fire safety technology have permitted its use for building tasks under stringent fire regulations. On her background of long standing as a teacher in architectural steel design affiliated with many institutions, the author ranks among the world's best scholars on this topic. Among the fields covered by the extensive approach of this book are the characteristics of the various categories of AESS, the interrelatedness of design, fabrication and erection of the steel structures, issues of coating and protection (including corrosion and fire protection), special materials like weathering steel and stainless steel, the member choices and a connection design checklist. The description draws on many international examples from advanced contemporary architecture, all visited and photographed by the author, among which figure buildings like the Amgen Helix Bridge in Seattle, the Shard Observation Level in London, the New York Times Building and the Arganquela Footbridge.

New Contributions in Information Systems and Technologies - Alvaro Rocha 2015-03-25

This book contains a selection of articles from The 2015 World Conference on Information Systems and Technologies (WorldCIST'15), held between the 1st and 3rd of April in Funchal, Madeira, Portugal, a global forum for researchers and practitioners to present and discuss recent results and innovations, current trends, professional experiences and challenges of modern Information Systems and Technologies research, technological development and applications. The main topics covered are: Information and Knowledge Management; Organizational Models and Information Systems; Intelligent and Decision Support Systems; Big Data Analytics and Applications; Software Systems, Architectures, Applications and Tools; Multimedia Systems and Applications; Computer Networks, Mobility and Pervasive Systems; Human-Computer Interaction; Health Informatics; Information Technologies in Education; Information Technologies in Radio communications.

Innovations in Computer Science and Engineering - H. S. Saini 2019-06-18

This book includes high-quality, peer-reviewed research papers from the 6th International Conference on Innovations in Computer Science & Engineering (ICICSE 2018), held at Guru Nanak Institutions, Hyderabad, India from August 17 to 18, 2018. The book discusses a wide variety of industrial, engineering and scientific applications of the emerging techniques and offers a platform for researchers from academia and industry to present their original work and exchange ideas, information, techniques and applications in the field of computer science.

Handbook of Structural Life Assessment - Raouf A. Ibrahim 2017-04-17

This important, self-contained reference deals with structural life assessment (SLA) and structural health monitoring (SHM) in a combined form. SLA periodically evaluates the state and condition of a structural system and provides recommendations for possible maintenance actions or the end of structural service life. It is a diversified field and relies on the theories of fracture mechanics, fatigue damage process, and reliability theory. For common structures, their life assessment is not only governed by the theory of fracture mechanics and fatigue damage process, but by other factors such as corrosion, grounding, and sudden collision. On the other hand, SHM deals with the detection, prediction, and location of crack development online. Both SLA and SHM are combined in a unified and coherent treatment.

Advances in Web-Based Learning - ICWL 2010 - Xiangfeng Luo

2010-11-27

This book constitutes the refereed proceedings of the 9th International Conference on Web-Based Learning, ICWL 2010, held in Shanghai, China, in December 2010. The 36 revised full papers and 8 short papers presented were carefully reviewed and selected from 192 submissions. They deal with topics such as e-learning platforms and tools, technology enhanced learning, web-based learning for oriental languages, mobile/situated e-learning, learning resource deployment, organization and management, design, model and framework of e-learning systems, e-learning metadata and standards, collaborative learning and game-based learning, as well as practice and experience sharing and pedagogical Issues.

Emerging Technologies in Data Mining and Information Security - Aboul Ella Hassanien 2021-05-04

This book features research papers presented at the International Conference on Emerging Technologies in Data Mining and Information Security (IEMIS 2020) held at the University of Engineering & Management, Kolkata, India, during July 2020. The book is organized in three volumes and includes high-quality research work by academicians and industrial experts in the field of computing and communication, including full-length papers, research-in-progress papers and case studies related to all the areas of data mining, machine learning, Internet of things (IoT) and information security.

Proceedings of the 5th International Conference on Frontiers in Intelligent Computing: Theory and Applications - Suresh Chandra Satapathy 2017-03-02

The book is a collection of high-quality peer-reviewed research papers presented at International Conference on Frontiers of Intelligent Computing: Theory and applications (FICTA 2016) held at School of Computer Engineering, KIIT University, Bhubaneswar, India during 16 - 17 September 2016. The book aims to present theories, methodologies, new ideas, experiences, applications in all areas of intelligent computing and its applications to various engineering disciplines like computer science, electronics, electrical, mechanical engineering, etc.

Understanding the Brain Function and Emotions - José Manuel Ferrández Vicente 2019-05-09

The two volume set LNCS 11486 and 11487 constitutes the proceedings of the International Work-Conference on the Interplay Between Natural and Artificial Computation, IWINAC 2019, held in Almería, Spain,, in June 2019. The total of 103 contributions was carefully reviewed and selected from 190 submissions during two rounds of reviewing and improvement. The papers are organized in two volumes, one on understanding the brain function and emotions, addressing topics such as new tools for analyzing neural data, or detection emotional states, or interfacing with physical systems. The second volume deals with bioinspired systems and biomedical applications to machine learning and contains papers related bioinspired programming strategies and all the contributions oriented to the computational solutions to engineering problems in different applications domains, as biomedical systems, or big data solutions.

Proceedings of International Conference on Recent Advancement on Computer and Communication - Basant Tiwari 2019-01-10

The book is a compilation of best papers presented at International Conference on Recent Advancement in Computer and Communication (ICRAC 2017) organized by IMPLab Research and Innovation Foundation, Bhopal, India. The book covers all aspects of computers and communication techniques including pervasive computing, distributed computing, cloud computing, sensor and adhoc network, image, text and speech processing, pattern recognition and pattern analysis, digital signal processing, digital electronics, telecommunication technologies, robotics, VLSI technologies, embedded system, satellite communication, digital signal processing, and digital communication. The papers included are original research works of experts from industry, government centers and academic institutions; experienced in engineering, design and research.

Modeling Decisions - Vicenç Torra 2007-05-11

This book covers the underlying science and application issues related to aggregation operators, focusing on tools used in practical applications that involve numerical information. It will thus be required reading for engineers, statisticians and computer scientists of all kinds. Starting with detailed introductions to information fusion and integration, measurement and probability theory, fuzzy sets, and functional equations, the authors then cover numerous topics in detail, including the synthesis of judgements, fuzzy measures, weighted means and fuzzy integrals.

Agents and Multi-Agent Systems: Technologies and Applications 2020 - G. Jezic 2020-05-20

The book highlights new trends and challenges in research on agents and the new digital and knowledge economy. It includes papers on business process management, agent-based modeling and simulation and anthropic-oriented computing that were originally presented at the 14th International KES Conference on Agents and Multi-Agent Systems: Technologies and Applications (KES-AMSTA 2020), being held as a Virtual Conference in June 17-19, 2020. The respective papers cover topics such as software agents, multi-agent systems, agent modeling, mobile and cloud computing, big data analysis, business intelligence, artificial intelligence, social systems, computer embedded systems and nature inspired manufacturing, all of which contribute to the modern digital economy.

Computational Processing of the Portuguese Language - Paulo Quaresma 2020-02-24

This book constitutes the proceedings of the 14th International Conference on Computational Processing of the Portuguese Language, PROPOR 2020, held in Evora, Portugal, in March 2020. The 36 full papers presented together with 5 short papers were carefully reviewed and selected from 70 submissions. They are grouped in topical sections on speech processing; resources and evaluation; natural language processing applications; semantics; natural language processing tasks; and multilinguality.

Design of Wood Structures - ASD - Donald E. Breyer 2003-09-16

* The best-selling text and reference on wood structure design *
Incorporates the latest National Design Specifications, the 2003 International Building Code and the latest information on wind and seismic loads

Quantification of Building Seismic Performance Factors - 2009

This report describes a recommended methodology for reliably quantifying building system performance and response parameters for use in seismic design. The recommended methodology (referred to herein as the Methodology) provides a rational basis for establishing global seismic performance factors (SPFs), including the response modification coefficient (R factor), the system overstrength factor, and deflection amplification factor (Cd), of new seismic-force-resisting systems proposed for inclusion in model building codes. The purpose of this Methodology is to provide a rational basis for determining building seismic performance factors that, when properly implemented in the seismic design process, will result in equivalent safety against collapse in an earthquake, comparable to the inherent safety against collapse intended by current seismic codes, for buildings with different seismic-force-resisting systems.

Manual of the Board - Saint Louis (Mo.). Board of Police Commissioners 1869

Analysis of Metallic Aerospace Structures - Vijay Goyal 2021-12-31

This book intends to provide the foundation and applications used in aircraft stress analysis for metallic substructures. Instead of providing a mere introduction and discussion of the theoretical aspects, the book intends to help the starting engineer or first-time student conduct a stress analysis of an aircraft subpart. In this context, readers with a mechanical, civil, or naval engineering background follow the concepts. We can assure you that this book will fill up a void in the personal or professional library of many engineers trying, or planning, to conduct stress analysis on aircraft structures. The motivation for this book comes from years of teaching and industry experience and lessons learned. While there are excellent books on theory and others on analysis methods, there seems to be a gap between the graduating student and the industry practice. Although the intention is not to teach industry methods to undergraduate/graduate students, the books discuss the typical theory covered in traditional textbooks while using the concepts close to the industry practices. The book also tries to blend conventional theoretical approaches with some modern numerical techniques. This allows the beginning engineer, or the enrolled student in an aerospace undergraduate program, to learn and use the techniques while understanding their background in a practical sense. One major problem that we try to tackle throughout the book is the "black-box" approach. Emphasis is on the discussion of a result more than the right or wrong answer, allowing the reader to understand the topics better.

<https://www.aeiseservices.org/>

Brain-Computer Interfaces - Aboul Ella Hassanien 2014-11-01

The success of a BCI system depends as much on the system itself as on the user's ability to produce distinctive EEG activity. BCI systems can be

divided into two groups according to the placement of the electrodes used to detect and measure neurons firing in the brain. These groups are: invasive systems, electrodes are inserted directly into the cortex are used for single cell or multi unit recording, and electrocorticography (EcoG), electrodes are placed on the surface of the cortex (or dura); noninvasive systems, they are placed on the scalp and use electroencephalography (EEG) or magnetoencephalography (MEG) to detect neuron activity. The book is basically divided into three parts. The first part of the book covers the basic concepts and overviews of Brain Computer Interface. The second part describes new theoretical developments of BCI systems. The third part covers views on real applications of BCI systems.

Inequality Problems in Mechanics and Applications - P.D. Panagiotopoulos 2012-12-06

In a remarkably short time, the field of inequality problems has seen considerable development in mathematics and theoretical mechanics. Applied mechanics and the engineering sciences have also benefitted from these developments in that open problems have been treated and entirely new classes of problems have been formulated and solved. This book is an outgrowth of seven years of seminars and courses on inequality problems in mechanics for a variety of audiences in the Technical University of Aachen, the Aristotle University of Thessaloniki, the University of Hamburg and the Technical University of Milan. The book is intended for a variety of readers, mathematicians and engineers alike, as is detailed in the Guidelines for the Reader. It goes without saying that the work of G. Fichera, J. L. Lions, G. Maier, J. J. Moreau in originating and developing the theory of inequality problems has considerably influenced the present book. I also wish to acknowledge the helpful comments received from C. Bisbos, J. Haslinger, B. Kawohl, H. Matthies, H. O. May, D. Talaslidis and B. Werner. Credit is also due to G. Kyriakopoulos and T. Mandopoulou for their exceptionally diligent work in the preparation of the final figures. Many thanks are also due to T. Finnegan and J. Gateley for their friendly assistance from the linguistic standpoint. I would also like to thank my editors in Birkhäuser Verlag for their cooperation, and all those who helped in the preparation of the manuscript.

Quay Walls, Second Edition - J.G. de Gijt 2013-12-02

This new edition of the handbook of Quay Walls provides the reader with essential knowledge for the planning, design, execution and maintenance of quay walls, as well as general information about historical developments and lessons learned from the observation of ports in various countries. Technical chapters are followed by a detailed calculation of a quay wall based on a semi-probabilistic design procedure, which applies the theory presented earlier. Since the publication of the Dutch edition in 2003 and the English version in 2005, considerable new experience has been obtained by the many practitioners using the book, prompting the update of this handbook. Moreover, the introduction of the Eurocodes in 2012 has prompted a complete revision of the Design chapter, which is now compliant with the Eurocodes. Furthermore, additional recommendations for using FEM-analysis in quay wall design have been included. In response to ongoing discussions within the industry about buckling criteria for steel pipe piles, a thorough research project was carried out on steel pipe piles filled with sand and on piles without sand. The results of this research programme have also been incorporated in this new version. Finally, the section on corrosion has been updated to reflect the latest knowledge and attention has been given to the latest global developments in quay wall engineering. The new edition was made possible thanks to the contributions of numerous experts from the Netherlands and Belgium.

Advances in Computing and Data Sciences - Mayank Singh 2020-07-17

This book constitutes the post-conference proceedings of the 4th International Conference on Advances in Computing and Data Sciences, ICACDS 2020, held in Valletta, Malta, in April 2020.* The 46 full papers were carefully reviewed and selected from 354 submissions. The papers

are centered around topics like advanced computing, data sciences, distributed systems organizing principles, development frameworks and environments, software verification and validation, computational complexity and cryptography, machine learning theory, database theory, probabilistic representations. * The conference was held virtually due to the COVID-19 pandemic.

Guide to Stability Design Criteria for Metal Structures - Theodore V. Galambos 1998-06-15

This book provides simplified and refined procedures applicable to design and to accessing design limitations and offers guidance to design specifications, codes and standards currently applied to the stability of metal structures.

HCI International 2020 - Posters - Constantine Stephanidis 2020-07-11

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*The conference was held virtually due to the COVID-19 pandemic.

Progress in Artificial Intelligence - Paulo Moura Oliveira 2019

This book constitutes the refereed proceedings of the 19th EPIA Conference on Artificial Intelligence, EPIA 2019, held in Funchal, Madeira, Portugal, in September 2019. The 119 revised full papers and 6 short papers presented were carefully reviewed and selected from a total of 252 submissions. The papers are organized in 18 tracks devoted to the following topics: AIED - Artificial Intelligence in Education, AI4G - Artificial Intelligence for Games, AIoTA - Artificial Intelligence and IoT in Agriculture, AIL - Artificial Intelligence and Law, AIM - Artificial Intelligence in Medicine, AICPDES - Artificial Intelligence in Cyber-Physical and Distributed Embedded Systems, AIPES - Artificial Intelligence in Power and Energy Systems, AITS - Artificial Intelligence in Transportation Systems, ALEA - Artificial Life and Evolutionary Algorithms, AmIA - Ambient Intelligence and Affective Environments, BAAI - Business Applications of Artificial Intelligence, GAI - General AI, IROBOT - Intelligent Robotics, KDBI - Knowledge Discovery and Business Intelligence, KRR - Knowledge Representation and Reasoning, MASTA - Multi-Agent Systems: Theory and Applications, SSM - Social Simulation and Modelling, TeMA - Text Mining and Applications.

Emerging ICT for Bridging the Future - Proceedings of the 49th Annual Convention of the Computer Society of India (CSI) Volume 1 - Suresh Chandra Satapathy 2014-11-30

This volume contains 73 papers presented at CSI 2014: Emerging ICT for Bridging the Future: Proceedings of the 49th Annual Convention of Computer Society of India. The convention was held during 12-14, December, 2014 at Hyderabad, Telangana, India. This volume contains papers mainly focused on Fuzzy Systems, Image Processing, Software Engineering, Cyber Security and Digital Forensic, E-Commerce, Big Data, Cloud Computing and ICT applications.

Advanced Analysis in Steel Frame Design - Andrea Eden Surovek 2012

This report presents formal guidelines for the use of second-order inelastic analysis in the design and assessment of steel framing systems.