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HASSAN GRAHAM

Proceedings of the International Conference on Soft Computing Systems Springer

This book presents best selected research papers presented at the International Conference on Computer Networks, Big Data and IoT (ICCB I 2021), organized by Vaigai College Engineering, Madurai, Tamil Nadu, India, during December 9-10, 2021. The book covers original papers on computer networks, network protocols and wireless networks, data communication technologies and network security. The book is a valuable resource and reference for researchers, instructors, students, scientists, engineers, managers and industry practitioners in those important areas.

Electronic Measurements and Instrumentation Laxmi Publications

Introduction -- Supervised learning -- Bayesian decision theory -- Parametric methods -- Multivariate methods -- Dimensionality reduction -- Clustering -- Nonparametric methods -- Decision trees -- Linear discrimination -- Multilayer perceptrons -- Local models -- Kernel machines -- Graphical models -- Brief contents -- Hidden markov models -- Bayesian estimation -- Combining multiple learners -- Reinforcement learning -- Design and analysis of machine learning experiments.

Total Quality Management in Education Springer Science & Business Media

This book gathers outstanding papers presented at the International Conference on Data Science and Applications (ICDSA 2021), organized by Soft Computing Research Society (SCRS) and Jadavpur University, Kolkata, India, from April 10 to 11, 2021. It covers theoretical and empirical developments in various areas of big data analytics, big data technologies, decision tree learning, wireless communication, wireless sensor networking, bioinformatics and systems, artificial neural networks, deep learning, genetic algorithms, data mining, fuzzy logic, optimization algorithms, image processing, computational intelligence in civil engineering, and creative computing.

Foundations of Software Science and Computation Structures IOS Press

For this third edition of -Distributed Systems, - the material has been thoroughly revised and extended, integrating principles and paradigms into nine chapters: 1. Introduction 2. Architectures 3. Processes 4. Communication 5. Naming 6. Coordination 7. Replication 8. Fault tolerance 9. Security A separation has been made between basic material and more specific subjects. The latter have been organized into boxed sections, which may be skipped on first reading. To assist in understanding the more algorithmic parts, example programs in Python have been included. The examples in the book leave out many details for readability, but the complete code is available through the book's Website, hosted at www.distributed-systems.net. A personalized digital copy of the book is available for free, as well as a printed version through Amazon.com.

Advanced Computing, Networking and Informatics- Volume 1 IOS Press

Spatial Cognition brings together psychology, computer science, linguistics and geography, discussing how people think about space (our internal cognitive maps and spatial perception) and how we communicate about space, for instance giving route directions or using spatial metaphors. The technological applications adding dynamism to the area include computer interfaces, educational software, multimedia, and in-car navigation systems. On the experimental level, themes as varied as gender differences in orientation and □ of course, wholly unrelated □ the role of the hippocampus in rodent navigation are described. Much detailed analysis and computational modeling of the structure of short term memory (STM) is discussed. The papers were presented at the 1998 annual meeting of the Cognitive Science Society of Ireland, Mind III. (Series B)

Computer Networks & Communications (NetCom) Firoz Ahmed

This volume includes the papers accepted for the First International Conference on Electronic Commerce and Web Technologies, which was held in Greenwich, UK, on September 4-6, 2000. The conference is the first of a series of planned conferences on these topics with the goal to bring together researchers from academia, practitioners and commercial developers from industry, and users to assess current methodologies and explore new ideas in e-commerce and web technology. The conference attracted 120 papers from all over the world and each paper was reviewed by at least three program committee members for its merit. The program committee finally selected 42 papers for presentation and inclusion in these conference proceedings. The conference program consisted of 14 technical sessions and two invited talks spread over three days. The regular sessions covered topics such as web application design, intellectual property rights, security and fairness, distributed organizations, web usage analysis, modelling of web applications, electronic commerce success factors, electronic markets, XML, web mining, electronic negotiation, integrity and performance, facilitating electronic commerce, and mobile electronic commerce. There were two invited addresses at the conference. The first was by Anthony Finkelstein, University College London, UK on "A Foolish Consistency: Technical Challenges in Consistency Management". This was a common address to the DEXA, the DaWaK and the EC-Web attendees. The second talk was by Paul Timmers, European Commission, Information Technologies Directorate on "The Role of Technology for the e-Economy".

Grid and Cloud Computing CBS Publishers & Distributors Pvt Limited, India

As a consequence of the wide distribution of software and software infrastructure, information security and safety depend on the quality and excellent understanding of its functioning. Only if this functionality is guaranteed as safe, customer and information are protected against adversarial attacks and malfunction. A vast proportion of information exchange is dominated by computer systems. Due to the fact that technical systems are more or

less interfaced with software systems, most information exchange is closely related to software and computer systems.

Concrete and Steel Construction IOS Press

This book constitutes the refereed proceedings of the Second International Conference on Foundations of Software Science and Computation Structures, FOSSACS '99, held in Amsterdam, The Netherlands in March 1999 as part of ETAPS'99. The 18 revised full papers presented were carefully selected from a total of 40 submissions. Also included are three invited papers. The central issues of the papers are theories and methods which support the specification, transformation, verification and analysis of programs and software systems.

Applications of Secure Multiparty Computation Springer

The book is meant for B.E./B.Tech. students of different universities of India and abroad. It contains all basic material required at undergraduate level. The author has included "Examination questions" from several Indian Universities as solved examples. The sections on "Descriptive Questions" and "Multiple Choice Questions" contains the theory type examination questions and objective questions respectively.

Analog and Digital Communication Springer

At the end of the PrimeLife EU project, a book will contain the main research results. It will address primarily researchers. In addition to fundamental research it will contain description of best practice solutions.

Information and Communications Security Springer

International Federation for Information Processing The IFIP series publishes state-of-the-art results in the sciences and technologies of information and communication. The scope of the series includes: foundations of computer science; software theory and practice; education; computer applications in technology; communication systems; systems modeling and optimization; information systems; computers and society; computer systems technology; security and protection in information processing systems; artificial intelligence; and human-computer interaction. Proceedings and post-proceedings of refereed international conferences in computer science and interdisciplinary fields are featured. These results often precede journal publication and represent the most current research. The principal aim of the IFIP series is to encourage education and the dissemination and exchange of information about all aspects of computing. For more information about the 300 other books in the IFIP series, please visit www.springer.com. For more information about IFIP, please visit www.ifip.org.

Computer Science Logic International Transaction Journal of Engineering, Management, & Applied Sciences & Technologies

ACMES (Algorithms and Complexity in Mathematics, Epistemology, and Science) is a multidisciplinary conference series that focuses on epistemological and mathematical issues relating to computation in modern science. This volume includes a selection of papers presented at the 2015 and 2016 conferences held at Western University that provide an interdisciplinary outlook on modern applied mathematics that draws from theory and practice, and situates it in proper context. These papers come from leading mathematicians, computational scientists, and philosophers of science, and cover a broad collection of mathematical and philosophical topics, including numerical analysis and its underlying philosophy, computer algebra, reliability and uncertainty quantification, computation and complexity theory, combinatorics, error analysis, perturbation theory, experimental mathematics, scientific epistemology, and foundations of mathematics. By bringing together contributions from researchers who approach the mathematical sciences from different perspectives, the volume will further readers' understanding of the multifaceted role of mathematics in modern science, informed by the state of the art in mathematics, scientific computing, and current modeling techniques.

CP7101 Design and Management of Computer Networks Springer

This textbook, now in its Second Edition, addresses the rapid advancements to the area of mobile computing. Almost every chapter has been revised to make the book up to date with the latest developments. It covers the main topics associated with mobile computing and wireless networking at a level that enables the students to develop a fundamental understanding of the technical issues involved in this new and fast emerging discipline. This book first examines the basics of wireless technologies and computer communications that form the essential infrastructure required for building knowledge in the area of mobile computations involving the study of invocation mechanisms at the client end, the underlying wireless communication, and the corresponding server-side technologies. It includes coverage of development of mobile cellular systems, protocol design for mobile networks, special issues involved in the mobility management of cellular system users, realization and applications of mobile ad hoc networks (MANETs), design and operation of sensor networks, special constraints and requirements of mobile operating systems, and development of mobile computing applications. Finally, an example application of the mobile computing infrastructure to M-commerce is described in the concluding chapter of the book. The book is suitable for a one-semester course in mobile computing for the undergraduate students of Computer Science and Engineering, Information Technology, Electronics and Communication Engineering, Master of Computer Applications (MCA), and the undergraduate and postgraduate science courses in computer science and Information Technology. Key Features • Provides unified coverage of mobile computing and communication aspects • Discusses the mobile application development, mobile operating systems and mobile databases as part of the material devoted to mobile computing • Incorporates a survey of mobile operating systems and the latest developments

Course Notes in Distributed Computing Psychology Press

GRID AND CLOUD COMPUTING* Understand how Grid computing helps in solving large-scale scientific problems.* Gain knowledge on the concept of virtualization that is fundamental to cloud computing.* Learn how to program the grid and the cloud.* Understand the security issues in the grid and

the cloud environment

International Conference on Emerging Trends in Electrical, Communication and Information Technologies, Vol 1 Springer Nature

This book constitutes the refereed proceedings of the 8th International Conference on Information and Communications Security, ICICS 2006, held in Raleigh, NC, USA, December 2006. The 22 revised full papers and 17 revised short papers cover security protocols, applied cryptography, access control, privacy and malicious code, network security, systems security, cryptanalysis, applied cryptography and network security, and security implementations.

Intelligent Computing and Innovation on Data Science Rudra Publications

Artificial intelligence, or AI, now affects the day-to-day life of almost everyone on the planet, and continues to be a perennial hot topic in the news. This book presents the proceedings of ECAI 2023, the 26th European Conference on Artificial Intelligence, and of PAIS 2023, the 12th Conference on Prestigious Applications of Intelligent Systems, held from 30 September to 4 October 2023 and on 3 October 2023 respectively in Kraków, Poland. Since 1974, ECAI has been the premier venue for presenting AI research in Europe, and this annual conference has become the place for researchers and practitioners of AI to discuss the latest trends and challenges in all subfields of AI, and to demonstrate innovative applications and uses of advanced AI technology. ECAI 2023 received 1896 submissions – a record number – of which 1691 were retained for review, ultimately resulting in an acceptance rate of 23%. The 390 papers included here, cover topics including machine learning, natural language processing, multi agent systems, and vision and knowledge representation and reasoning. PAIS 2023 received 17 submissions, of which 10 were accepted after a rigorous review process. Those 10 papers cover topics ranging from fostering better working environments, behavior modeling and citizen science to large language models and neuro-symbolic applications, and are also included here. Presenting a comprehensive overview of current research and developments in AI, the book will be of interest to all those working in the field.

Privacy and Identity Management for Life CRC Press

Computer Networks & Communications (NetCom) is the proceedings from the Fourth International Conference on Networks & Communications. This book covers theory, methodology and applications of computer networks, network protocols and wireless networks, data communication

technologies, and network security. The proceedings will feature peer-reviewed papers that illustrate research results, projects, surveys and industrial experiences that describe significant advances in the diverse areas of computer networks & communications.

Electronic Commerce and Web Technologies Springer Nature

This new edition introduces the key concepts of TQM in the education context, discusses organizational, leadership and teamwork issues, the tools and techniques of TQM, and will help educators develop a framework for management in their school.

Guide to Pairing-Based Cryptography CRC Press

Deals with Computer Science and models of Concurrency. This title emphasizes on hardware/software co-design and the understanding of concurrency that results from these systems. It includes a range of papers on this topic, from the formal modeling of buses in co-design systems through to software simulation and development environments.

Spatial Cognition Springer Science & Business Media

The Conference on Spatial Information Theory – COSIT – grew out of a series of workshops / NATO Advanced Study Institutes / NSF specialist meetings concerned with cognitive and applied aspects of representing large-scale space, particularly geographic space. In these meetings, the need for a well-founded theory of spatial information processing was identified. The COSIT conference series was established in 1993 as a biennial interdisciplinary European conference on the representation and processing of information about large-scale space, after a successful international conference on the topic had been organized by Andrew Frank et al. in Pisa, Italy, in 1992 (frequently referred to as ‘COSIT zero’). After two successful European conferences with strong North-American participation (COSIT ’93, held on the Island of Elba, Italy; COSIT ’95, held in Semmering, Austria), the conference became a truly international enterprise when COSIT ’97 was held in the Laurel Highlands, Pennsylvania, USA. COSIT ’99 will take place in Stade, Germany. All aspects of large-scale space, i. e. spaces too large to be seen from a single vantage point, are addressed in the COSIT conferences. These include spaces of geographic scale, as well as smaller spaces in which humans, animals, or autonomous robots have to find their way around. Spatial information theory also deals with the description of objects, processes, or events in spatial environments and it forms the foundation for the construction of Geographic Information Systems (GIS) and for spatial information and communication system design in general.