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Real-Time Systems Information Systems, Technology and Management FUNDAMENTALS OF MOBILE COMPUTING Advanced Computing and Systems for Security NEURAL NETWORKS, FUZZY SYSTEMS AND EVOLUTIONARY ALGORITHMS : SYNTHESIS AND APPLICATIONS Information Systems Design and Intelligent Applications Global Trends in Computing and Communication Systems Global Trends in Information Systems and Software Applications OOIS'96 Computer Network Simulation Using NS2 High Performance Computing - HiPC 2002 DESIGN AND ANALYSIS OF ALGORITHMS, 2nd Ed Intelligent Techniques in Recommendation Systems: Contextual Advancements and New Methods Expert System Techniques in Biomedical Science Practice Ernst Denert Award for Software Engineering 2019 Journal of the Indian Institute of Science Computer Science and Informatics International Conference on Multi disciplinary Technologies and challenges in Industry 4.0 Proceedings of National Conference on Methods and Models in Computing High Performance Computing Intelligent Communication and Computational Technologies High Performance Computing - HiPC'99 Distributed Computing and Internet Technology A Handbook of Information Technology Indian Science Abstracts Asian Test Symposium IEEE Membership Directory Library & Information Science Abstracts Indian National Bibliography Parallel and Distributed Processing Shōkai Linux kāneru Development Review Fourth International Conference on High Performance Computing Books In Print 2004-2005 Proceedings & Exhibition--future Access IEEE International Conference on Personal Wireless Communications Linux Who's Who in Science and Engineering 2008-2009

Real-Time Systems

2009-05

the presence and use of real time systems is becoming increasingly common examples of such systems range from nuclear reactors to automotive controllers and also entertainment software such as games and graphics animation the growing importance of rea

Information Systems, Technology and Management

2010-03-01

this volume constitutes the refereed proceedings of the 4th international conference on information systems technology and management icistm 2010 held in bangkok thailand in march 2010 the 28 revised full papers presented together with 3 keynote lectures 9 short papers and 2 tutorial papers were carefully reviewed and selected from 86 submissions the papers are organized in topical sections on information systems information technology information management and applications

FUNDAMENTALS OF MOBILE COMPUTING

2012-07-30

this textbook addresses 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 the 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 the book 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 this book is suitable as an introductory text 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 such as the android operating system

Advanced Computing and Systems for Security

2015-11-18

the book contains the extended version of the works that have been presented and discussed in the second international doctoral symposium on applied computation and security systems acss 2015 held during may 23 25 2015 in kolkata india the symposium has been jointly organized by the agh university of science technology cracow poland ca foscari university venice italy and university of calcutta india the book is divided into volumes and presents dissertation works in the areas of image processing biometrics based authentication soft computing data mining next generation networking and network security remote healthcare communications embedded systems software engineering and service engineering

NEURAL NETWORKS, FUZZY SYSTEMS AND EVOLUTIONARY ALGORITHMS : SYNTHESIS AND APPLICATIONS

2017-05-01

the second edition of this book provides a comprehensive introduction to a consortium of technologies underlying soft computing an evolving branch of computational intelligence which in recent years has turned synonymous to it the constituent technologies discussed comprise neural network nn fuzzy system fs evolutionary algorithm ea and a number of hybrid systems which include classes such as neuro fuzzy evolutionary fuzzy and neuro evolutionary systems the hybridization of the technologies is demonstrated on architectures such as fuzzy backpropagation network nn fs hybrid genetic algorithm based backpropagation network nn ea hybrid simplified fuzzy artmap nn fs hybrid fuzzy associative memory nn fs hybrid fuzzy logic controlled genetic algorithm ea fs hybrid and evolutionary extreme learning machine nn ea hybrid every architecture has been discussed in detail through illustrative examples and applications the algorithms have been presented in pseudo code with a step by step illustration of the same in problems the applications demonstrative of the potential of the architectures have been chosen from diverse disciplines of science and engineering this book with a wealth of information that is clearly presented and illustrated by many examples and applications is designed for use as a text for the courses in soft computing at both the senior undergraduate and first year postgraduate levels of computer science and engineering it should also be of interest to researchers and technologists desirous of applying soft computing technologies to their respective fields of work

Information Systems Design and Intelligent Applications

2016-02-02

the third international conference on information systems design and intelligent applications india 2016 held in visakhapatnam india during january 8 9 2016 the book covers all aspects of information system design computer science and technology general sciences and educational research upon a double blind review process a number of high quality papers are selected and collected in the book which is composed of three different volumes and covers a variety of topics including natural language processing artificial intelligence security and privacy communications wireless and sensor networks microelectronics circuit and systems machine learning soft computing mobile computing and applications cloud computing software engineering graphics and image processing rural engineering e commerce e governance business computing molecular computing nano computing chemical computing intelligent computing for gis and remote sensing bio informatics and bio computing these fields are not only limited to computer researchers but also include mathematics chemistry biology bio chemistry engineering statistics and all others in which computer techniques may assist

Global Trends in Computing and Communication Systems

2012-08-08

this two volume set ccis 0269 ccis 0270 constitutes the refereed post conference proceedings of the international conference on global trends in computing and communication obcom 2011 held in vellore india in december 2011 the 173 full papers presented together with a keynote paper and invited papers were carefully reviewed and selected from 842 submissions the conference addresses all current issues associated with computing communication and information the proceedings consists of invited papers dealing with the review of performance models of computer and communication systems and contributed papers that feature topics such as networking cloud computing fuzzy logic mobile communication image processing navigation systems biometrics and services covering literally all the vital areas of the computing domains

Global Trends in Information Systems and Software Applications

2012-08-01

this 2 volume set ccis 0269 ccis 0270 constitutes the refereed proceedings of the international conference on global trends in computing and communication ccis 0269 and the international conference on global trends in information systems and software applications ccis 0270 obcom 2011 held in vellore india in december 2011 the 173 full

papers presented together with a keynote paper and invited papers were carefully reviewed and selected from 842 submissions the conference addresses issues associated with computing communication and information its aim is to increase exponentially the participants awareness of the current and future direction in the domains and to create a platform between researchers leading industry developers and end users to interrelate

OOIS '96

2012-12-06

this volume contains the papers presented at the third international conference on object oriented information systems 00ls 96 which was held at south bank university london the keynote addresses by professor colette roland and mr ian graham are also included the acceptance rate for papers was around 47 the papers for the industry day were invited papers the keynote paper by professor roland analyses the challenges in object modelling particularly the impact of requirements engineering for conceptual modelling she suggests innovative research perspectives to enhance and extend object oriented approaches in order to deal with the emerging area of requirements engineering the keynote paper presented by mr graham focuses on the problems and solutions for adopting use cases in his paper graham illustrates the theoretical issues and practical problems of use cases and highlights them using examples the papers included in this volume cover different aspects of object modelling object oriented software development object databases and interoperability in the modelling session ram et al outline an extended object model to tackle the problems of capturing complex requirements of office information systems simons paper concentrates on core object modelling concepts and presents a mathematical theory of class

Computer Network Simulation Using NS2

2016-08-19

computer network simulations using ns2 provides a solid foundation of computer networking knowledge and skills covering everything from simple operating system commands to the analysis of complex network performance metrics the book begins with a discussion of the evolution of data communication techniques and the fundamental issues associated with performance evaluation after presenting a preliminary overview of simulation and other performance evaluation techniques the authors describe a number of computer network protocols and tcp ip and osi models highlighting the networking devices used explain a socket and its use in network programming fostering the development of network applications using c and socket api introduce the ns2 network simulator exhibiting its internal architecture constituent software packages and installation in different operating systems delve into simulation using ns2 elaborating on the use of tcl and otcl scripts as well as awk scripting and plotting with gnuplot show how to simulate wired and wireless network protocols step by step layer by layer explore the idea of simulating very large networks identifying the challenges associated with measuring and graphing the various network parameters include nearly 90 example programs scripts and outputs along with several exercises requiring application of the theory and programming computer network simulations using ns2 emphasizes the implementation and simulation of real world computer network protocols affording readers with valuable opportunities for hands on practice while instilling a deeper understanding of how computer network protocols work

High Performance Computing - HiPC 2002

2003-07-01

this book constitutes the refereed proceedings of the 9th international conference on high performance computing hipc 2002 held in bangalore india in december 2002 the 57 revised full contributed papers and 9 invited papers presented together with various keynote abstracts were carefully reviewed and selected from 145 submissions the papers are organized in topical sections on algorithms architecture systems software networks mobile computing and databases applications scientific computation embedded systems and biocomputing

DESIGN AND ANALYSIS OF ALGORITHMS, 2nd Ed

2016

this highly structured text in its second edition provides comprehensive coverage of design techniques of algorithms it traces the complete development of various algorithms in a stepwise approach followed by their pseudo codes to build an understanding of their applications in practice with clear explanations the textbook intends to be much more comprehensive book on design and analysis of algorithm commencing with the introduction the book gives a detailed account of graphs and data structure it then elaborately discusses the matrix algorithms basic algorithms network algorithms sorting algorithm backtracking algorithms and search algorithms the text also focuses on the heuristics dynamic programming and meta heuristics the concepts of cryptography and probabilistic algorithms have been described in detail finally the book brings out the underlying concepts of benchmarking of algorithms algorithms to schedule processor s and complexity of algorithms new to the second edition new chapters on matrix algorithms basic algorithms backtracking algorithms complexity of algorithms several new sections including asymptotic notation amortized analysis recurrences balanced trees skip list disjoint sets maximal flow algorithm parsort radix sort selection sort topological sorting ordering median and ordered statistics huffman coding algorithm transportation problem heuristics for scheduling etc have been incorporated into the text

Intelligent Techniques in Recommendation Systems: Contextual Advancements and New Methods

2012-11-30

although recommendation systems have become a vital research area in the fields of cognitive science approximation theory information retrieval and management sciences they still require improvements to make recommendation methods more effective and intelligent intelligent techniques in recommendation systems contextual advancements and new methods is a comprehensive collection of research on the latest advancements of intelligence techniques and their application to recommendation systems and how this could improve this field of study

Expert System Techniques in Biomedical Science Practice

2018-06-01

before the integration of expert systems in biomedical science complex problems required human expertise to solve them through conventional procedural methods advancements in expert systems allow for knowledge to be extracted when no human expertise is available and increases productivity through quick diagnosis expert system techniques in biomedical science practice is an essential scholarly resource that contains innovative research on the methods by which an expert system is designed to solve complex problems through the automation of decision making through the use of if then else rules rather than conventional procedural methods featuring coverage on a broad range of topics such as image processing bio signals and cognitive ai this book is a vital reference source for computer engineers information technologists biomedical engineers data processing specialists medical professionals and industrialists within the fields of biomedical engineering pervasive computing and natural language processing

Ernst Denert Award for Software Engineering 2019

2020-12-03

this open access book provides an overview of the dissertations of the five nominees for the ernst denert award for software engineering in 2019 the prize kindly sponsored by the gerlind ernst denert stiftung is awarded for excellent work within the discipline of software engineering which includes methods tools and procedures for better and efficient development of high quality software an essential requirement for the nominated work is its applicability and usability in industrial practice the book contains five papers describing the works by sebastian baltes u trier on software developers work habits and expertise timo greifenberg s thesis on artefaktbasierte

analyse modellgetriebener softwareentwicklungsprojekte marco konersmann s u duisburg essen work on explicitly integrated architecture marija selakovic s tu darmstadt research about actionable program analyses for improving software performance and johannes späth s paderborn u thesis on synchronized pushdown systems for pointer and data flow analysis which actually won the award the chapters describe key findings of the respective works show their relevance and applicability to practice and industrial software engineering projects and provide additional information and findings that have only been discovered afterwards e g when applying the results in industry this way the book is not only interesting to other researchers but also to industrial software professionals who would like to learn about the application of state of the art methods in their daily work

Journal of the Indian Institute of Science

2006

contributed papers presented at a national conference organized by the school of computer and systems sciences jawaharlal nehru university new delhi

Computer Science and Informatics

1992

the book includes insights that reflect the advances in the field of internet of things from upcoming researchers and leading academicians across the globe it contains the high quality peer reviewed papers of international conference on internet of things for technological development iot4td 2017 held at kadi sarva vishvavidyalaya gandhinagar gujarat india during april 1 2 2017 the book covers variety of topics such as internet of things intelligent image processing networks and mobile communications big data and cloud the book is helpful for the perspective readers from computer industry and academia to derive the advances of next generation communication and computational technology and shape them into real life applications

International Conference on Multi disciplinary Technologies and challenges in Industry 4.0

2007

these are the proceedings of the sixth international conference on high performance computing hipc 99 held december 17 20 in calcutta india the meeting serves as a forum for presenting current work by researchers from around the world as well as highlighting activities in asia in the high performance computing area the meeting emphasizes both the design and the analysis of high performance computing systems and their scientific engineering and commercial applications topics covered in the meeting series include parallel algorithms scientific computation parallel architectures visualization parallel languages compilers network and cluster based computing distributed systems signal image processing systems programming environments supercomputing applications memory systems internet and www based computing multimedia and high speed networks scalable servers we would like to thank alfred hofmann and ruth abraham of springer verlag for their excellent support in bringing out the proceedings the detailed messages from the steering committee chair general co chair and program chair pay tribute to numerous volunteers who helped us in organizing the meeting october 1999 viktor k prasanna bhabani sinha prithviraj banerjee message from the steering chair it is my pleasure to welcome you to the sixth international conference on high performance computing i hope you enjoy the meeting the rich cultural heritage of calcutta as well as the mother ganges the river of life

Proceedings of National Conference on Methods and Models in Computing

2003

information technology it can be collectively described as that used by man to gather store and retrieve manipulate and communicate data and information today in the information age this takes place over and across vast geographical demographical socio political and economic scopes and the ceasing of it will choke society as know it

A Handbook of Information Technology

2008-03

Indian Science Abstracts

2005

Asian Test Symposium

1999

IEEE Membership Directory

2005

Library & Information Science Abstracts

2016-12

Indian National Bibliography

1999

Parallel and Distributed Processing

2001-11

□□□□□□□□

2007-02

Shōkai Linux kāneru

1999

Development Review

1997

Fourth International Conference on High Performance Computing

2004

Books In Print 2004-2005

2000

Proceedings & Exhibition--future Access

2000

IEEE International Conference on Personal Wireless Communications

2008-04

Linux□□□□□□□□□□

2007-12

Who's Who in Science and Engineering 2008-2009

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