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Proceedings of the ... International Joint Conference on Artificial Intelligence 1991
Computer Science – Theory and Applications Alexander S. Kulikov 2022-07-25 This book constitutes the proceedings of the 17th International Computer Science Symposium in Russia, CSR 2022, held in St. Petersburg, Russia, June 29-July 3, 2022. The 21 full papers were carefully reviewed and selected from 51 submissions. The papers cover a broad range of topics, such as formal languages and automata theory, geometry and discrete structures; theory and algorithms for application domains and much more.

Parameterized Complexity Rodney G. Downey 2012-12-06 An approach to complexity theory which offers a means of analysing algorithms in terms of their tractability. The authors consider the problem in terms of parameterized languages and taking "k-slices" of the language, thus introducing readers to new classes of algorithms which may be analysed more precisely than was the case until now. The book

is as self-contained as possible and includes a great deal of background material. As a result, computer scientists, mathematicians, and graduate students interested in the design and analysis of algorithms will find much of interest.

Data and Applications Security and Privacy XXVIII Vijay Atluri 2014-06-27 This book constitutes the refereed proceedings of the 28th IFIP WG 11.3 International Working Conference on Data and Applications Security and Privacy, DBSec 2014, held in Vienna, Austria, in July 2014. The 22 revised full papers and 4 short papers presented were carefully reviewed and selected from 63 submissions. The papers are organized in topical sections on access control, privacy, networked and mobile environments, data access, cloud databases, and private retrieval.

Opportunistic Mobile Social Networks Jie Wu 2014-08-05 The widespread availability of mobile devices along with recent advancements in networking capabilities make opportunistic mobile social networks (MSNs) one of the most promising technologies for next-generation mobile applications. Opportunistic Mobile Social Networks supplies a new perspective of these networks that can help you enhance spontaneous interaction and communication among users that opportunistically encounter each other, without additional infrastructure support. The book explores recent developments in the theoretical, algorithmic, and application-based aspects of opportunistic MSNs. It presents the motivation behind opportunistic MSNs, describes their underpinning and key concepts, and also explores ongoing research. Supplies a systematic study of the constrained information flow problem Reviews the recent literature on social influence in complex social networks Presents a complete overview of the fundamental characteristics of link-level connectivity in opportunistic networks Explains how mobility and dynamic network structure impact the processing capacity of opportunistic MSNs for cloud applications Provides a comprehensive overview of the routing schemes proposed in opportunistic MSNs Taking an in-depth look at multicast protocols, the book explains how to provide pervasive data access to mobile users without the support of cellular or Internet infrastructures. Considering privacy and security issues, it surveys a collection of cutting-edge approaches for minimizing privacy leakage during opportunistic user profile exchange. The book concludes by introducing a framework for mobile peer rating using a multi-dimensional metric scheme based on encounter and location testing. It also explains how

to develop a network emulation test bed for validating the efficient operation of opportunistic network applications and protocols in scenarios that involve both node mobility and wireless communication.

Knowledge Discovery in Databases: PKDD 2006

Johannes Fürnkranz 2006-09-15 This book constitutes the refereed proceedings of the 10th European Conference on Principles and Practice of Knowledge Discovery in Databases, PKDD 2006. The book presents 36 revised full papers and 26 revised short papers together with abstracts of 5 invited talks, carefully reviewed and selected from 564 papers submitted. The papers offer a wealth of new results in knowledge discovery in databases and address all current issues in the area.

Dissociative States 1999

Belief Revision meets Philosophy of Science Erik J Olsson 2010-10-27 Belief revision theory and philosophy of science both aspire to shed light on the dynamics of knowledge – on how our view of the world changes (typically) in the light of new evidence. Yet these two areas of research have long seemed strangely detached from each other, as witnessed by the small number of cross-references and researchers working in both domains. One may speculate as to what has brought about this surprising, and perhaps unfortunate, state of affairs. One factor may be that while belief revision theory has traditionally been pursued in a bottom- up manner, focusing on the endeavors of single inquirers, philosophers of science, inspired by logical empiricism, have tended to be more interested in science as a multi-agent or agent-independent phenomenon.

Principles of Knowledge Representation and Reasoning Bernhard Nebel 1992 Stringently reviewed papers presented at the October 1992 meeting held in Cambridge, Mass., address such topics as nonmonotonic logic; taxonomic logic; specialized algorithms for temporal, spatial, and numerical reasoning; and knowledge representation issues in planning, diagnosis, and natural langu

2007 International Conference on Parallel Processing 2009

Multi-purpose High-rise Towers and Tall Buildings

H.R. Viswanath 2014-04-21 Interest continues to develop in the design and construction of high-rise towers and tall buildings, structures with heights ranging from 75m to 500m and even more. This volume presents the papers from the third in a series of international conferences on the subject, organised by the International Federation of High-rise Structures.

The papers have been drawn together under the grand theme of the Conquest of Vertical Space in the 21st Century. The conference has been organised by the UK's Concrete Society, and sponsored by the IFHS and the Council on Tall Buildings and Urban Habitat and the Fdration Internationale de la Prcontrainte (FIP). This prestigious collaboration has brought forth a body of high quality practical and research papers.

Autonomic and Trusted Computing Bing Xie 2010-10-08 Computing systems including hardware, software, communication, and networks are becoming increasingly large and heterogeneous. In short, they have become - creasingly complex. Such complexity is getting even more critical with the ubiquitous permeation of embedded devices and other pervasive systems. To cope with the growing and ubiquitous complexity, autonomic computing (AC) focuses on self-manageable computing and communication systems that exhibit self-awareness, self-configuration, self-optimization, self-healing, self-protection and other self-* properties to the maximum extent possible without human intervention or guidance. Organic computing (OC) additionally addresses adaptability, robustness, and c- trolled emergence as well as nature-inspired concepts for self-organization. Any autonomic or organic system must be trustworthy to avoid the risk of losing control and retain confidence that the system will not fail. Trust and/or distrust relationships in the Internet and in pervasive infrastructures are key factors to enable dynamic interaction and cooperation of various users, systems, and services. Trusted/ trustworthy computing (TC) aims at making computing and communication systems--as well as services--available, predictable, traceable, controllable, asse- able, sustainable, dependable, persistent, security/privacy protectable, etc. A series of grand challenges exists to achieve practical autonomic or organic s- tems with truly trustworthy services. Started in 2005, ATC conferences have been held at Nagasaki (Japan), Vienna (Austria), Three Gorges (China), Hong Kong (China), Oslo (Norway) and Brisbane (Australia). The 2010 proceedings contain the papers presented at the 7th International Conference on Autonomic and Trusted Computing (ATC 2010), held in Xi'an, China, October 26-29, 2010.

Emerging Technologies in Wireless LANs Benny Bing 2008 Provides the key practical considerations for deploying wireless LANs and a solid understanding of the emerging technologies.

Survivable Optical WDM Networks Canhui (Sam) Ou

2010-07-19 Covers these key topics: Shared-mesh protection for optical WDM networks. Survivable traffic grooming for hierarchical optical WDM networks. Survivable data over next-generation SONET/SDH with inverse multiplexing.

Big Data Analytics for Large-Scale Multimedia Search Stefanos Vrochidis 2019-05-06 A timely overview of cutting edge technologies for multimedia retrieval with a special emphasis on scalability The amount of multimedia data available every day is enormous and is growing at an exponential rate, creating a great need for new and more efficient approaches for large scale multimedia search. This book addresses that need, covering the area of multimedia retrieval and placing a special emphasis on scalability. It reports the recent works in large scale multimedia search, including research methods and applications, and is structured so that readers with basic knowledge can grasp the core message while still allowing experts and specialists to drill further down into the analytical sections. Big Data Analytics for Large-Scale Multimedia Search covers: representation learning, concept and event-based video search in large collections; big data multimedia mining, large scale video understanding, big multimedia data fusion, large-scale social multimedia analysis, privacy and audiovisual content, data storage and management for big multimedia, large scale multimedia search, multimedia tagging using deep learning, interactive interfaces for big multimedia and medical decision support applications using large multimodal data. Addresses the area of multimedia retrieval and pays close attention to the issue of scalability Presents problem driven techniques with solutions that are demonstrated through realistic case studies and user scenarios Includes tables, illustrations, and figures Offers a Wiley-hosted BCS that features links to open source algorithms, data sets and tools Big Data Analytics for Large-Scale Multimedia Search is an excellent book for academics, industrial researchers, and developers interested in big multimedia data search retrieval. It will also appeal to consultants in computer science problems and professionals in the multimedia industry.

On the Move to Meaningful Internet Systems: OTM 2019 Workshops Christophe Debruyne 2020-02-12 This volume constitutes the refereed proceedings of the Confederated International International Workshop on Enterprise Integration, Interoperability and Networking (EI2N), Fact Based Modeling (FBM), Industry Case Studies Program (ICSP), International Workshop on Methods, Evaluation,

Tools and Applications for the Creation and Consumption of Structured Data for the e-Society (Meta4eS) and, 1st International Workshop on Security via Information Analytics and Applications (SIAnA 2019) held as part of OTM 2018 in October 2019 in Rhodes, Greece. As the three main conferences and the associated workshops all share the distributed aspects of modern computing systems, they experience the application pull created by the Internet and by the so-called Semantic Web, in particular developments of Big Data, increased importance of security issues, and the globalization of mobile-based technologies.

An Analysis of Commitment Strategies in Planning: The Details 1991

Actes, Sixieme Conference Canadienne Sur L'intelligence Artificielle 1986

Web Information Systems Engineering – WISE 2018 Hakim Hacid 2018-10-19 The two-volume set LNCS 11233 and LNCS 11234 constitutes the proceedings of the 19th International Conference on Web Information Systems Engineering, WISE 2018, held in Dubai, United Arab Emirates, in November 2018. The 48 full papers and 21 short papers presented were carefully reviewed and selected from 209 submissions. The papers are organized in topical sections on blockchain, security, social network and security, social network, microblog data analysis, graph data, information extraction, text mining, recommender systems, medical data analysis, Web services and cloud computing, data stream and distributed computing, data mining techniques, entity linkage and semantics, Web applications, and data mining applications.

Keyword Search in Databases Jeffrey Xu Yu 2022-06-01 It has become highly desirable to provide users with flexible ways to query/search information over databases as simple as keyword search like Google search. This book surveys the recent developments on keyword search over databases, and focuses on finding structural information among objects in a database using a set of keywords. Such structural information to be returned can be either trees or subgraphs representing how the objects, that contain the required keywords, are interconnected in a relational database or in an XML database. The structural keyword search is completely different from finding documents that contain all the user-given keywords. The former focuses on the interconnected object structures, whereas the latter focuses on the object content. The book is organized as follows. In Chapter 1, we highlight the main

research issues on the structural keyword search in different contexts. In Chapter 2, we focus on supporting structural keyword search in a relational database management system using the SQL query language. We concentrate on how to generate a set of SQL queries that can find all the structural information among records in a relational database completely, and how to evaluate the generated set of SQL queries efficiently. In Chapter 3, we discuss graph algorithms for structural keyword search by treating an entire relational database as a large data graph. In Chapter 4, we discuss structural keyword search in a large tree-structured XML database. In Chapter 5, we highlight several interesting research issues regarding keyword search on databases. The book can be used as either an extended survey for people who are interested in the structural keyword search or a reference book for a postgraduate course on the related topics. Table of Contents: Introduction / Schema-Based Keyword Search on Relational Databases / Graph-Based Keyword Search / Keyword Search in XML Databases / Other Topics for Keyword Search on Databases **SIP Handbook** Syed A. Ahson 2018-10-03 Widely adopted by service providers to enable IP telephony, instant messaging, and other data services, SIP is the signaling protocol of choice for advanced multimedia communications signaling. Compiled by noted engineering experts Syed Ahson and Mohammad Ilyas, SIP Handbook: Services, Technologies, and Security of Session Initiation Protocol presents a thorough technical review of all aspects of SIP. It captures the current state of IP Multimedia Subsystem technology and provides a unique source of comprehensive reference material on this subject. SIP Applications for Today and Tomorrow The scope of this volume ranges from basic concepts to future perspectives. Divided into three sections, the book begins with a discussion of SIP in peer-to-peer networks and then goes on to examine advanced media integration, migration considerations, mobility management, and group conferencing, while also reviewing home networking and compliance issues. The middle section of the book focuses on the underlying technologies of SIP. Chapters review network architecture, vertical handoffs, NAT traversals, multipoint extensions, and other areas at the forefront of research. Finally, the text examines various security vulnerabilities and provides perspectives on secure intelligent SIP services with a future outlook on a fraud detection framework in VoIP networks. Insights from International

Researchers Authored by 65 experts from across the world, this text is sure to advance the field of knowledge in this ever-changing industry and provide further impetus for new areas of exploration. Because of the editors' pivotal influence and their proximity to both the current market and the latest science, this work is certain to become the definitive text on this emerging technology.

Computational Geometry Mark de Berg 2013-04-17 This introduction to computational geometry focuses on algorithms. Motivation is provided from the application areas as all techniques are related to particular applications in robotics, graphics, CAD/CAM, and geographic information systems. Modern insights in computational geometry are used to provide solutions that are both efficient and easy to understand and implement.

Handbook of Parallel Constraint Reasoning Youssef Hamadi 2018-04-05 This is the first book presenting a broad overview of parallelism in constraint-based reasoning formalisms. In recent years, an increasing number of contributions have been made on scaling constraint reasoning thanks to parallel architectures. The goal in this book is to overview these achievements in a concise way, assuming the reader is familiar with the classical, sequential reader is familiar with the classical, sequential background. It presents work demonstrating the use of multiple resources from single machine multi-core and GPU-based computations to very large scale distributed execution platforms up to 80,000 processing units. The contributions in the book cover the most important and recent contributions in parallel propositional satisfiability (SAT), maximum satisfiability (MaxSAT), quantified Boolean formulas (QBF), satisfiability modulo theory (SMT), theorem proving (TP), answer set programming (ASP), mixed integer linear programming (MILP), constraint programming (CP), stochastic local search (SLS), optimal path finding with A*, model checking for linear-time temporal logic (MC/LTL), binary decision diagrams (BDD), and model-based diagnosis (MBD). The book is suitable for researchers, graduate students, advanced undergraduates, and practitioners who wish to learn about the state of the art in parallel constraint reasoning.

Demystifying Internet of Things Security Sunil Cheruvu 2019-08-13 Break down the misconceptions of the Internet of Things by examining the different security building blocks available in Intel Architecture (IA) based IoT platforms. This open access book reviews the threat pyramid, secure boot, chain of trust, and the SW stack leading up to

defense-in-depth. The IoT presents unique challenges in implementing security and Intel has both CPU and Isolated Security Engine capabilities to simplify it. This book explores the challenges to secure these devices to make them immune to different threats originating from within and outside the network. The requirements and robustness rules to protect the assets vary greatly and there is no single blanket solution approach to implement security. Demystifying Internet of Things Security provides clarity to industry professionals and provides and overview of different security solutions What You'll Learn Secure devices, immunizing them against different threats originating from inside and outside the networkGather an overview of the different security building blocks available in Intel Architecture (IA) based IoT platformsUnderstand the threat pyramid, secure boot, chain of trust, and the software stack leading up to defense-in-depth Who This Book Is For Strategists, developers, architects, and managers in the embedded and Internet of Things (IoT) space trying to understand and implement the security in the IoT devices/platforms.

String Processing and Information Retrieval Fabio Crestani 2006-09-29 This book constitutes the refereed proceedings of the 13th International Conference on String Processing and Information Retrieval, SPIRE 2006. The 26 revised full papers and 5 revised short papers presented together with 2 invited talks were carefully reviewed and selected. The papers are organized in topical sections on Web clustering and text categorisation, strings, user behaviour, Web search algorithms, compression, correction, information retrieval applications, bioinformatics, and Web search engines.

Managing Next Generation Networks and Services Shingo Ata 2007-09-18 This book constitutes the refereed proceedings of the 9th Asia-Pacific Network Operations and Management Symposium, APNOMS 2007, held in Sapporo, Japan, October 2007. The 48 revised full papers and 30 revised short papers cover management of distributed networks, network configuration and planning, network security management, sensor and ad-hoc networks, network monitoring, routing and traffic engineering, management of wireless networks and security on wireless networks.

Recent Advances in Artificial Intelligence Research and Development Jordi Vitri� 2004 Artificial Intelligence (AI) is a scientific field of longstanding tradition, with origins in the early years of computer science. Today AI has reached a level of maturity

that allows us to build highly sophisticated systems which perform very different tasks. Nevertheless, its evolution has opened up a number of new problems, ranging from specific algorithms to system integration, which remain elusive and assure a long life for this research field. Research progress in this area is today an international challenge that must be supported by world-class meetings and organizations, but in spite of this fact, there is also an objective need for meetings and organizations that support and disseminate research at other levels. This book focuses on new and original research on Artificial Intelligence.

Graph-Theoretic Concepts in Computer Science Dieter Kratsch 2005-12-13 This book constitutes the thoroughly refereed post-proceedings of the 31st International Workshop on Graph-Theoretic Concepts in Computer Science, WG 2005, held in Metz, France in June 2005. The 38 revised full papers presented together with 2 invited papers were carefully selected from 125 submissions. The papers provide a wealth of new results for various classes of graphs, graph computations, graph algorithms, and graph-theoretical applications in various fields. The workshop aims at uniting theory and practice by demonstrating how graph-theoretic concepts can be applied to various areas in Computer Science, or by extracting new problems from applications. The goal is to present recent research results and to identify and explore directions of future research.

Advances in Computer and Information Sciences '98 Uẓur Gẓdẓkbay 1998

DESIGN AND ANALYSIS OF ALGORITHMS MANAS RANJAN KABAT 2013-08-21 Primarily designed as a text for undergraduate students of computer science and engineering and information technology, and postgraduate students of computer applications, the book would also be useful to postgraduate students of computer science and IT (M.Sc., Computer Science; M.Sc., IT). The objective of this book is to expose students to basic techniques in algorithm design and analysis. This well organized text provides the design techniques of algorithms in a simple and straightforward manner. Each concept is explained with an example that helps students to remember the algorithm devising techniques and analysis. The text describes the complete development of various algorithms along with their pseudo-codes in order to have an understanding of their applications. It also discusses the various design factors that make one algorithm more efficient than others, and explains how to devise the new algorithms or modify the

existing ones. Key Features Randomized and approximation algorithms are explained well to reinforce the understanding of the subject matter. Various methods for solving recurrences are well explained with examples. NP-completeness of various problems are proved with simple explanation. iSCSI John L. Hufferd 2015-01-09 iSCSI: The Universal Storage Connection is an informative overview and in-depth guide to the emerging iSCSI standard, the technology that enables data storage, access, and management over networks, intranets, and the Internet. The iSCSI protocol reduces the total cost of ownership of shared storage solutions and enables an organization to tie together disparate systems and data, including both server class systems and laptop and desktop systems. Numerous leading technology companies, including IBM®, Cisco Systems®, and Intel®, are currently supporting iSCSI initiatives. Written for network and data storage professionals, this comprehensive book introduces iSCSI and explores its growing role within the data storage industry. It describes each element of the technology in detail—from session establishment through error handling—and examines the relationship between iSCSI and the SCSI protocol from which it evolved. Specific topics discussed include: iSCSI's use in small office, midrange, and high-end settings TCP/IP fundamentals, and how they apply to iSCSI The importance of data integrity New hardware that addresses bandwidth and latency issues iSCSI naming conventions The establishment of a communication path between the host system and storage controller Commands and data sequencing Control of the flow of commands Task management Error handling Companion technologies, including discovery and security processes Backup and disaster preparation iSCSI performance issues In addition, the book includes an explanation of the technologies that hardware vendors are implementing to permit direct memory placement of iSCSI messages without additional main processor involvement. A helpful icon appears throughout the book, mapping out appropriate reading tracks based on your technical level. Comprehensive, clearly written, and organized for easy access, this iSCSI handbook serves as both an excellent starting point for those involved in data storage solutions and a guide to understanding the technically detailed Internet Engineering Task Force (IETF) iSCSI Standards document.

Advances in Bioinformatics and Computational Biology João C. Setubal 2020-12-19 This book constitutes the refereed proceedings of the Brazilian

Symposium on Bioinformatics, BSB 2020, held in São Paulo, Brazil, in November 2020. Due to COVID-19 pandemic the conference was held virtually The 20 revised full papers and 5 short papers were carefully reviewed and selected from 45 submissions. The papers address a broad range of current topics in computational biology and bioinformatics.

IJCAI 1991

The Semantic Web – ISWC 2005 Yolanda Gil 2005-10-17 A little over a decade has passed since the release of the ?rst Netscape browser. In 1995,the World Wide Web was viewedlargelyas an academiccuriosity.Now, of course, the Web is an integral part of the fabric of modern society. It is impossible to imagine science, education, commerce, or government functioning without the Web. We take the Web for granted, and often assume that Internet connectivity is guaranteed to all of us as a birthright. Although the Web indeed has become "world wide" and has lost a bit of its original aura as a consequence of its ubiquity, a burgeoning community of researchers and practitioners continues to work toward the next generation of the Web—a Web where information will be stored in a machine-processable form and where intelligent computer-based agents will access and automatically combine myriad services on the Internet of the kind that are now available only to people interacting directly with their Web browsers.

Social Media Retrieval and Mining Shuigeng Zhou 2013-11-18 This book constitutes the refereed proceedings of the ADMA 2012 Workshops: The International Workshop on Social Network Analysis and Mining, SNAM 2012, and the International Workshop on Social Media Mining, Retrieval and Recommendation Technologies, SMR 2012, Nanjing, China, in December 2012. The 15 revised full papers presented were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections on networks and graphs processing; social Web; social information diffusion; social image retrieval and visualization.

Contemporary Computing Srinivas Aluru 2011-07-06 This volume constitutes the refereed proceedings of the Fourth International Conference on Contemporary Computing, IC3 2010, held in Noida, India, in August 2011. The 58 revised full papers presented were carefully reviewed and selected from 175 submissions.

Theoretical Computer Science Dingzhu Du 2017-10-14 This book constitutes the thoroughly refereed proceedings of the National Conference of

Theoretical Computer Science, NCTCS 2017, held in Wuhan, Hubei, China, in October 2017. The 25 full papers presented were carefully reviewed and selected from 84 submissions. They present relevant trends of current research in the area of algorithms and complexity, software theory and method, data science and machine learning theory.

Logic Programming '87 Koichi Furukawa 1988-06-22 This volume contains most of the papers presented at the 6th Logic Programming Conference held in Tokyo, June 22-24, 1987. It is the successor of Lecture Notes in Computer Science volumes 221 and 264. The contents cover foundations, programming, architecture and applications. Topics of particular interest are constraint logic programming and parallelism. The effort to apply logic programming to large-scale realistic problems is another important subject of these proceedings.

Innovative Internet Computing Systems Thomas B�hme 2003-05-15 Nowadays, the Internet is the most commonly used medium for the exchange of data in di?erent forms. Presently, over 60 million machines have access to the Internet and to its resources. However, the Internet is also the largest distributed system o?ering di?erent computational services and possibilities not only for cluster computing. If the needs of modern mobile computing and multimedia systems are taken into account, it becomes clear that modern methods must ensure an e?ective development and management of the Internet allowing each user fast access to this huge resource space. The Innovative Internet Computing Systems workshop is organized by the Gesellschaft fur � Informatik(GI) in Germany. It intends to be an open me- ing point for scientists dealing with di?erent aspects of this complex topic. In contrast to the Distributed Communities on the Web workshops, which can be 2 considered as the roots of I CS, special attention is given to fundamental - search works and the application of theoretical and formal results in practical implementations.

Official Gazette of the United States Patent and Trademark Office 1996