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Overlay Network Mechanisms for Peer-to-Peer Systems Overlay Networks Overlay Networks Peer-to-Peer Data Management Challenges for Next Generation Network Operations and Service Management Advances in Web-Age Information Management Handbook of Peer-to-Peer Networking Delay Tolerant Networks Networking -- ICN 2005 Advances in Wireless, Mobile Networks and Applications Grid and Cooperative Computing - GCC 2005 Information Networking. Towards Ubiquitous Networking and Services Combinatorial Optimization and Applications P2P Networking and Applications Active and Programmable Networks Middleware for Communications Streaming Media with Peer-to-Peer Networks: Wireless Perspectives Effizientes Routing in strukturierten P2P Overlays Global Computing Ecological Design of Smart Home Networks Advances in Informatics Peer-to-Peer Systems and Applications Software-Defined Networking and Security Applied Cryptography and Network Security Bio-Inspired Models of Network, Information, and Computing Systems Recent Advances in Learning Automata Kommunikation in Verteilten Systemen (KiVS) Mechanisms for Autonomous Management of Networks and Services Wired-Wireless Multimedia Networks and Services Management Multimedia Networking and Coding Handbook of Research on P2P and Grid Systems for Service-Oriented Computing: Models, Methodologies and Applications Advances in Network-Based Information Systems Information Networking Wireless Sensor Systems for Extreme Environments Mobile, Ubiquitous, and Intelligent Computing Handbook of Research on Mobile Multimedia, Second Edition Information Security and Digital Forensics Resilient Networks and Services Peer-to-peer Data Management Integrated Network Management VIII

Integrated Network Management VIII Jun 27 2019 Welcome to 1M 2003, the eighth in a series of the premier international technical conference in this field. As IT management has become mission critical to the economies of the developed world, our technical program has grown in relevance, strength and quality. Over the next few years, leading IT organizations will gradually move from identifying infrastructure problems to providing business services via automated, intelligent management systems. To be successful, these future management systems must provide global scalability, for instance, to support Grid computing and large numbers of pervasive devices. In Grid environments, organizations can pool desktops and servers, dynamically creating a virtual environment with huge processing power, and new management challenges. As the number, type, and criticality of devices connected to the Internet grows, new innovative solutions are required to address this unprecedented scale and management complexity. The growing penetration of technologies, such as WLANs, introduces new management challenges, particularly for performance and security. Management systems must also support the management of business processes and their supporting technology infrastructure as integrated entities. They will need to significantly reduce the amount of adventitious, bootless data thrown at consoles, delivering instead a cogent view of the system state, while leaving the handling of lower level events to self-managed, multifarious systems and devices. There is a new emphasis on "autonomic" computing, building systems that can perform routine tasks without administrator intervention and take prescient actions to rapidly recover from potential software or hardware failures.

Ecological Design of Smart Home Networks Mar 17 2021 This book provides an authoritative guide for postgraduate students and academic researchers in electronics, computer and network engineering, telecommunications, energy technology and home automation, as well as R&D managers in industrial sectors such as wireless technology, consumer electronics, telecommunications and networking, information technology, energy technology and home automation. Part One outlines the key principles and technologies needed for ecological smart home networks. Beginning with a thorough overview of the concept behind ecological smart home network design, the book reviews such important areas as power line communications, hybrid systems and middleware platforms. Part Two then goes on to discuss some important applications of this technology, with wireless smart sensor networks for home and telecare, and smart home networking for content and energy management (including the intelligent Zero Emission Urban System), all explored in detail. More systematic and comprehensive coverage: the book covers ecological design and technology requirements, performance and applications for smart home networks Better focus on industry needs: the book covers current and emerging smart home networking technologies. It explains how the technologies work, how they have developed, their capabilities and the markets that they target Better coverage of the best international research: the book is multi-contributor and brings together the leading researchers from around the world

Challenges for Next Generation Network Operations and Service Management Jul 01 2022 This book constitutes the refereed proceedings of the 11th Asia-Pacific Network Operations and Management Symposium, APNOMS 2008, held in Beijing, China, in October 2008. The 43 revised full papers and 34 revised short papers presented were carefully reviewed and selected from 195 submissions. The papers are organized in topical sections on routing and topology management; fault management; community and virtual group management; autonomous and distributed control; sensor network management; traffic identification; QoS management; policy and service management; wireless and mobile network management; security management; short papers.

Information Networking Feb 02 2020 This book constitutes the refereed proceedings of the International Conference on Information Networking, ICOIN 2005 held in Jeju Island, Korea in January/February 2005. The conference focused on convergence in broadband and mobile networking. The 96 revised full papers presented were carefully reviewed and selected from 427 submissions. The papers are organized in topical sections on wireless LAN, security, TCP and congestion control, wireless ad-hoc network routing, network measurement, routing, power control in wireless networks, quality of service, high speed networks, wireless ad-hoc networks, network design, peer-to-peer networks, and applications and services.

Streaming Media with Peer-to-Peer Networks: Wireless Perspectives Jun 19 2021 The number of users who rely on the Internet to deliver multimedia content has grown significantly in recent years. As this consumer demand grows, so, too, does our dependency on a wireless and streaming infrastructure which delivers videos, podcasts, and other multimedia. Streaming Media with Peer-to-Peer Networks: Wireless Perspectives offers insights into current and future communication technologies for a converged Internet that promises soon to be dominated by multimedia applications, at least in terms of bandwidth consumption. The book will be of interest to industry managers, and will also serve as a valuable resource to students and researchers looking to grasp the dynamic issues surrounding video streaming and wireless network development.

Advances in Wireless, Mobile Networks and Applications Jan 27 2022 This book constitutes the refereed proceedings of the Third International Conference on Wireless, Mobile Networks and Applications, WiMoA 2011, and the First International Conference on Computer Science, Engineering and Applications, ICCSEA 2011, held in Dubai, United Arab Emirates, in May 2011. The book is organized as a collection of papers from WiMoA 2011 and ICCSEA 2011. The 8 revised full papers presented in the WiMoA 2011 part were carefully reviewed and selected from 63 submissions. The 20 revised full papers presented in the ICCSEA 2011 part were carefully reviewed and selected from 110 submissions.

Middleware for Communications Jul 21 2021 A state-of-the-art guide to middleware technologies, and their pivotal role in communications networks. Middleware is about integration and interoperability of applications and services running on heterogeneous computing and communications devices. The services it provides – including identification, authentication, authorization, soft-switching, certification and security – are used in a vast range of global appliances and systems, from smart cards and wireless devices to mobile services and e-Commerce. Qusay H. Mahmoud has created an invaluable reference tool that explores the origins and current uses of middleware (highlighting the importance of such technologies as CORBA, J2EE and JMS) and has thus compiled the roadmap to future research in this area. Middleware for Communications: discusses the emerging fields of Peer-to-Peer (P2P) and grid middleware detailing middleware platforms such as JXTA and the Globus middleware toolkit. shows how Middleware will play a significant role in mobile computing. presents a Platform Supporting Mobile Applications (PLASMA) – a middleware platform that consists of components for location, event, and profile handling of Location-Based Services. introduces middleware security focusing on the appropriate aspects of CORBA, J2EE, and .NET and demonstrates how to realize complex security capabilities such as role-based access control (RBAC) and mandatory access control (MAC). discusses how Quality of Service (QoS) component middleware can be combined with Model Driven Architecture (MDA) technologies to rapidly develop, generate, assemble and deploy flexible communications applications. This incomparable overview of middleware for communications is suitable for graduate students and researchers in communications and computing departments. It is also an authoritative guide for engineers and developers working on distributed systems, mobile computing and networked appliances.

Mechanisms for Autonomous Management of Networks and Services Jul 09 2020 The International Conference on Autonomous Infrastructure, Management and Se- rity (AIMS 2010) was a single-track event integrating regular conference paper s- sions, tutorials, keynotes, and a PhD student workshop into a highly interactive event. The main goal of AIMS is to look beyond borders and to stimulate the exchange of ideas across different communities and among PhD students. AIMS 2010 collocated the International Summer School in Network and Service Management (ISSNSM 2010). This unique summer school offers hands-on learning experiences in network and service management topics, which requires attendees to work in practical on-site courses combined with preceding short tutorial-like teaching sessions. AIMS 2010--which took place during June 23-25, 2010, in Zürich, Switzerland and was hosted by the Communication Systems Group CSG, Department of Inform- ics IFI, of the University of Zürich UZH--followed the already established tradition of an unusually vivid and interactive conference series in terms of the fourth conf- ence, after successful instantiations in Oslo, Norway 2007, Bremen, Germany 2008, and Enschede, The Netherlands 2009. AIMS 2010 focused especially on autonomous management aspects of modern networks and their services. The set of mechanisms, peer-to-peer-based schemes, scalability aspects, and autonomous approaches are of major interest. In particular the design, monitoring, management, and protection of networked systems in an efficient, secure, and autonomic manner are key to comm- cially viable and successful networks and services.

Peer-to-Peer Systems and Applications Jan 15 2021 Starting with Napster and Gnutella, peer-to-peer systems became an integrated part of the Internet fabric attracting millions of users. This book provides an introduction to the field. It draws together prerequisites from various fields, presents techniques and methodologies, and gives an overview on the applications of the peer-to-peer paradigm.

Peer-to-Peer Data Management Aug 02 2022 This lecture introduces systematically into the problem of managing large data collections in peer-to-peer systems. Search over large datasets has always been a key problem in peer-to-peer systems and the peer-to-peer paradigm has incited novel directions in the field of data management. This resulted in many novel peer-to-peer data management concepts and algorithms, for supporting data management tasks in a wider sense, including data integration, document management and

text retrieval. The lecture covers four different types of peer-to-peer data management systems that are characterized by the type of data they manage and the search capabilities they support. The first type are structured peer-to-peer data management systems which support structured query capabilities for standard data models. The second type are peer-to-peer data integration systems for querying of heterogeneous databases without requiring a common global schema. The third type are peer-to-peer document retrieval systems that enable document search based both on the textual content and the document structure. Finally, we introduce semantic overlay networks, which support similarity search on information represented in hierarchically organized and multi-dimensional semantic spaces. Topics that go beyond data representation and search are summarized at the end of the lecture. Table of Contents: Introduction / Structured Peer-to-Peer Databases / Peer-to-peer Data Integration / Peer-to-peer Retrieval / Semantic Overlay Networks / Conclusion

Software-Defined Networking and Security Dec 14 2020 This book provides readers insights into cyber maneuvering or adaptive and intelligent cyber defense. It describes the required models and security supporting functions that enable the analysis of potential threats, detection of attacks, and implementation of countermeasures while expending attacker resources and preserving user experience. This book not only presents significant education-oriented content, but uses advanced content to reveal a blueprint for helping network security professionals design and implement a secure Software-Defined Infrastructure (SDI) for cloud networking environments. These solutions are a less intrusive alternative to security countermeasures taken at the host level and offer centralized control of the distributed network. The concepts, techniques, and strategies discussed in this book are ideal for students, educators, and security practitioners looking for a clear and concise text to avant-garde cyber security installations or simply to use as a reference. Hand-on labs and lecture slides are located at http://virtualnetworksecurity.thothlab.com/. Features Discusses virtual network security concepts Considers proactive security using moving target defense Reviews attack representation models based on attack graphs and attack trees Examines service function chaining in virtual networks with security considerations Recognizes machine learning and AI in network security

Bio-Inspired Models of Network, Information, and Computing Systems Oct 12 2020 This book constitutes the thoroughly refereed post-conference proceedings of the 6th International Conference on Bio-Inspired Models of Network, Information, and Computing Systems (Bionetics). The event took place in the city of York, UK, in December 2011. Bionetics main objective is to bring bio-inspired paradigms into computer engineering and networking, and to enhance the fruitful interactions between these fields and biology. The papers of the conference were accepted in 2 categories: full papers and work-in progress. Full papers describe significant advances in the Bionetics field, while work-in-progress papers present an opportunity to discuss breaking research which is currently being evaluated. The topics are ranging from robotic coordination to attack detection in peer-to-peer networks, biological mechanisms including evolution, flocking and artificial immune systems, and nano-scale communication and networking.

Wireless Sensor Systems for Extreme Environments Jan 03 2020 Provides unique coverage of wireless sensor system applications in space, underwater, underground, and extreme industrial environments in one volume This book covers the challenging aspects of wireless sensor systems and the problems and conditions encountered when applying them in outer space, under the water, below the ground, and in extreme industrial environments. It explores the unique aspects of designs and solutions that address those problems and challenges, and illuminates the connections, similarities, and differences between the challenges and solutions in those various environments. The creation of Wireless Sensor Systems for Extreme Environments is a response to the spread of wireless sensor technology into fields of health, safety, manufacturing, space, environmental, smart cities, advanced robotics, surveillance, and agriculture. It is the first of its kind to present, in a single reference, the unique aspects of wireless sensor system design, development, and deployment in such extreme environments—and to explore the similarities and possible synergies between them. The application of wireless sensor systems in these varied environments has been lagging dramatically behind their application in more conventional environments, making this an especially relevant book for investigators and practitioners in all of these areas. Wireless Sensor Systems for Extreme Environments is presented in five parts that cover: Wireless Sensor Systems for Extreme Environments—Generic Solutions Space WSS Solutions and Applications Underwater and Submerged WSS Solutions Underground and Confined Environments WSS Solutions Industrial and Other WSS Solutions This book is a welcome guide for researchers, post-graduate students, engineers and scientists who design and build operational and environmental control systems, emergency response systems, and situational awareness systems for unconventional environments.

Recent Advances in Learning Automata Sep 10 2020 This book collects recent theoretical advances and concrete applications of learning automata (LAs) in various areas of computer science, presenting a broad treatment of the computer science field in a survey style. Learning automata (LAs) have proven to be effective decision-making agents, especially within unknown stochastic environments. The book starts with a brief explanation of LAs and their baseline variations. It subsequently introduces readers to a number of recently developed, complex structures used to supplement LAs, and describes their steady-state behaviors. These complex structures have been developed because, by design, LAs are simple units used to perform simple tasks; their full potential can only be tapped when several interconnected LAs cooperate to produce a group synergy. In turn, the next part of the book highlights a range of LA-based applications in diverse computer science domains, from wireless sensor networks, to peer-to-peer networks, to complex social networks, and finally to Petri nets. The book accompanies the reader on a comprehensive journey, starting from basic concepts, continuing to recent theoretical findings, and ending in the applications of LAs in problems from numerous research domains. As such, the book offers a

valuable resource for all computer engineers, scientists, and students, especially those whose work involves the reinforcement learning and artificial intelligence domains.

Applied Cryptography and Network Security Nov 12 2020 ACNS2008,the6thInternationalConferenceonAppliedCryptographyandN- work Security, was held in New York, New York, June 3-6, 2008, at Columbia University. ACNS 2008 was organized in cooperation with the International - sociation for Cryptologic Research (IACR) and the Department of Computer Science at Columbia University. The General Chairs of the conference were - gelos Keromytis and Moti Yung. The conference received 131 submissions, of which the Program Committee, chairedbyStevenBellovinandRosarioGennaro, selected 30 for presentation at the conference. The Best Student Paper Award was given to Liang Xie and Hui Song for their paper "On the E?ectiveness of Internal Patch Dissemination Against File-Sharing Worms" (co-authored with Sencun Zhu). These proceedings consist of revised versions of the presented papers. The revisions werenot reviewed.The authors bear full responsibility for the contents of their papers. Thereweremany submissionsof goodquality, and consequentlythe selection process was challenging and very competitive. Indeed, a number of good papers were not accepted due to lack of space in the program. The main considerations in selecting the program were conceptual and technical innovation and quality of presentation. As re?ected in the Call for Papers, an attempt was made to solicit and publish papers suggesting novel paradigms, original directions, or non-traditional perspectives.

Handbook of Research on Mobile Multimedia, Second Edition Oct 31 2019 "The book is intended to clarify the hype, which surrounds the concept of mobile multimedia through introducing the idea in a clear and understandable way, with a strong focus on mobile solutions and applications"--Provided by publisher.

Handbook of Peer-to-Peer Networking Apr 29 2022 Peer-to-peer networking is a disruptive technology for large scale distributed app- cations that has recently gained wide interest due to the successes of peer-to-peer (P2P) content sharing, media streaming, and telephony applications. There are a large range of other applications under development or being proposed. The - derlying architectures share features such as decentralizaton, sharing of end system resources, autonomy, virtualization, and self-organization. These features constitute the P2P paradigm. This handbook broadly addresses a large cross-section of c-rent research and state-of-the-art reports on the nature of this paradigm from a large number of experts in the ?eld. Several trends in information and network technology such as increased perf- mance and deployment of broadband networking, wireless networking, and mobile devices are synergistic with and reinforcing the capabilities of the P2P paradigm. There is general expectation in the technical community that P2P networking will continue to be an important tool for networked applications and impact the evo-tion of the Internet. A large amount of research activity has resulted in a relatively short time, and a growing community of researchers has developed. The Handbook of Peer-to-Peer Networking is dedicated to discussions on P2P networks and their applications. This is a comprehensive book on P2P computing.

P2P Networking and Applications Sep 22 2021 Peer-to-Peer (P2P) networks enable users to directly share digital content (such as audio, video, and text files) as well as real-time data (such as telephony traffic) with other users without depending on a central server. Although originally popularized by unlicensed online music services such as Napster, P2P networking has recently emerged as a viable multimillion dollar business model for the distribution of information, telecommunications, and social networking. Written at an accessible level for any reader familiar with fundamental Internet protocols, the book explains the conceptual operations and architecture underlying basic P2P systems using well-known commercial systems as models and also provides the means to improve upon these models with innovations that will better performance, security, and flexibility. Peer-to-Peer Networking and Applications is thus both a valuable starting point and an important reference to those practitioners employed by any of the 200 companies with approximately $400 million invested in this new and lucrative technology. Uses well-known commercial P2P systems as models, thus demonstrating real-world applicability. Discusses how current research trends in wireless networking, high-def content, DRM, etc. will intersect with P2P, allowing readers to account for future developments in their designs. Provides online access to the Overlay Weaver P2P emulator, an open-source tool that supports a number of peer-to-peer applications with which readers can practice.

Wired-Wireless Multimedia Networks and Services Management Jun 07 2020 This volume presents the proceedings of the 12th IFIP/IEEE International Conference on Management of Multimedia and Mobile Networks and Services (MMNS 2009), which was held in Venice, Italy, during October 26-27 as part of the 5th InternationalWeek on Managementof Networksand Services(Manweek 2009). As in the previous four years, the Manweek umbrella allowed an inter- tional audience of researchers and scientists from industry and academia - who are researching and developing management systems - to share views and ideas and present their state-of-the-art results. The other events forming Manweek 2009 were the 20th IFIP/IEEE Inter-tional Workshop on Distributed Systems: Operations and Management (DSOM 2009),the9thIEEEWorkshoponIPOperationsandManagement(IPOM2009), the 4th IEEEInternationalWorkshoponModeling Autonomic Communications Environments(MACE 2009),and the 6th InternationalWorkshoponNext G- eration Networking Middleware (NGNM 2009). Under this umbrella, MMNS proved itself again as a major conference for research and innovation in the management of multimedia technology and n- worked services. The scope of MMNS has been expanded in recent years to include mana- ment of emerging mobile and wireless networks and their integration with more traditional network infrastructures. The objective of the conference is to bring together researchersand scientists, from both academia and industry, interested in state-of-the-art management of converged multimedia networks and services across heterogeneous networking infrastructures, while creating a public venue for result dissemination and intellectual collaboration.

Overlay Networks Sep 03 2022 With their ability to solve problems in massive information distribution and processing, while keeping scaling costs low, overlay systems represent a rapidly growing area of R&D with important implications for the evolution of Internet architecture. Inspired by the author's articles on content based routing, Overlay Networks: Toward Information Networking provides a complete introduction to overlay networks. Examining what they are and what kind of structures they require, the text covers the key structures, protocols, and algorithms used in overlay networks. It reviews the current state of the art in applications, decentralized overlays, security, information routing, and information forwarding. The book provides readers with an overview of networking technologies, the TCP/IP protocol suite, and networking basics. It also examines: The foundations of structured overlays Unstructured P2P overlay networks Graph-based algorithms for information dissemination and probabilistic algorithms Content-centric routing and a number of protocols and algorithms Security challenges of P2P and overlay technologies—providing solutions for mitigating risks Written by a scientist who is a university professor and a senior member of the Nokia research staff, this forward-looking reference covers advanced issues concerning performance and scalability. It highlights recent developments and discusses specific algorithms, including BitTorrent, Coolstream, BitOs, Chord, Content Addressable Network, Content Delivery Networks, Overlay multicast, and Peer-to-Peer SIP. Complete with a number of frequently-used probabilistic techniques and projections for future trends, this authoritative resource provides the tools and understanding needed to create deployable solutions for processing and distributing the vast amounts of data that modern networks demand.

Global Computing Apr 17 2021 This book constitutes the thoroughly refereed post-proceedings of the IST/FET International Workshop on Global Computing, GC 2004, held in Rovereto, Italy in March 2004. The 18 revised full papers presented were carefully selected during two rounds of reviewing and improvement from numerous submissions. Among the topics covered are programming environments, dynamic reconfiguration, resource guarantees, peer-to-peer networks, analysis of systems and resources, resource sharing, and security, as well as foundational calculi for mobility.

Information Networking. Towards Ubiquitous Networking and Services Nov 24 2021 This book constitutes the thoroughly refereed post-conference proceedings of the International Conference on Information Networking, ICOIN 2007, held in Estoril, Portugal, in January 2007. The 82 revised full papers included in the volume were carefully selected and improved during two rounds of reviewing and revision from a total of 302 submissions. Topics covered include sensor networks; ad-hoc, mobile and wireless networks; optical networks; peer-to-peer networks and systems; routing; transport protocols; quality of service; network design and capacity planning; resource management; performance monitoring; network management; next generation Internet; and networked applications and services.

Advances in Network-Based Information Systems Mar 05 2020 This book highlights the latest research findings, innovative research results, methods and development techniques from both theoretical and practical perspectives related to the emerging areas of information networking and their applications. It includes the Proceedings of the 20th International Conference on Network-Based Information Systems (NBiS-2017), held on August 24-26, 2017 in Toronto, Canada. Today's networks and information systems are evolving rapidly. Further, there are dynamic new trends and applications in information networking such as wireless sensor networks, ad hoc networks, peer-to-peer systems, vehicular networks, opportunistic networks, grid and cloud computing, pervasive and ubiquitous computing, multimedia systems, security, multi-agent systems, high-speed networks, and web-based systems. These networks are expected to manage the increasing number of users, provide support for a range of services, guarantee the quality of service (QoS), and optimize their network resources. In turn, these demands are the source of various research issues and challenges that have to be overcome – and which these Proceeding address.

Effizientes Routing in strukturierten P2P Overlays May 19 2021 Als Fundament für neuartige Netzwerkanwendungen sind strukturierte P2P Overlays attraktiv. In diesen Strukturen folgen Datenpakete logischen Verbindungen zwischen den Netzwerkteilnehmern, die jedoch meist komplexen Wegen durch das zugrunde liegende Netzwerk entsprechen. Die in dieser Arbeit vorgestellten Konzepte verringern die daraus resultierenden hohen Routing-Latenzen im Overlay. Schwerpunkt dabei ist ein Verfahren zur Vergabe von auf Netzwerk-Koordinaten basierenden Teilnehmerkennungen.

Peer-to-peer Data Management Jul 29 2019 This lecture introduces systematically into the problem of managing large data collections in peer-to-peer systems. Search over large datasets has always been a key problem in peer-to-peer systems and the peer-to-peer paradigm has incited novel directions in the field of data management. This resulted in many novel peer-to-peer data management concepts and algorithms, for supporting data management tasks in a wider sense, including data integration, document management and text retrieval. The lecture covers four different types of peer-to-peer data management systems that are characterized by the type of data they manage and the search capabilities they support. The first type are structured peer-to-peer data management systems which support structured query capabilities for standard data models. The second type are peer-to-peer data integration systems for querying of heterogeneous databases without requiring a common global schema. The third type are peer-to-peer document retrieval systems that enable document search based both on the textual content and the document structure. Finally, we introduce semantic overlay networks, which support similarity search on information represented in hierarchically organized and multi-dimensional semantic spaces. Topics that go beyond data representation and search are summarized at the end of the lecture. Table of Contents: Introduction / Structured Peer-to-Peer Databases / Peer-to-peer Data Integration / Peer-to-peer Retrieval / Semantic Overlay Networks / Conclusion

Mobile, Ubiquitous, and Intelligent Computing Dec 02 2019 MUSIC 2013 will be the most comprehensive text focused on the various aspects of Mobile, Ubiquitous and Intelligent computing. MUSIC 2013 provides an

opportunity for academic and industry professionals to discuss the latest issues and progress in the area of intelligent technologies in mobile and ubiquitous computing environment. MUSIC 2013 is the next edition of the 3rd International Conference on Mobile, Ubiquitous, and Intelligent Computing (MUSIC-12, Vancouver, Canada, 2012) which was the next event in a series of highly successful International Workshop on Multimedia, Communication and Convergence technologies MCC-11 (Crete, Greece, June 2011), MCC-10 (Cebu, Philippines, August 2010).

Multimedia Networking and Coding May 07 2020 Advances in multimedia communication systems have enhanced the need for improved video coding standards. Due to the inherent nature of video content, large bandwidths and reliable communication links are required to ensure a satisfactory level of quality experience; inspiring industry and research communities to concentrate their efforts in this emerging research area. Multimedia Networking and Coding covers widespread knowledge and research as well as innovative applications in multimedia communication systems. This book highlights recent techniques that can evolve into future multimedia communication systems, also showing experimental results from systems and applications.

Handbook of Research on P2P and Grid Systems for Service-Oriented Computing: Models, Methodologies and Applications Apr 05 2020 Addresses the need for peer-to-peer computing and grid paradigms in delivering efficient service-oriented computing.

Networking -- ICN 2005 Feb 25 2022 The two-volume set LNCS 3420/3421 constitutes the refereed proceedings of the 4th International Conference on Networking, ICN 2005, held in Reunion Island, France in April 2005. The 238 revised full papers presented were carefully reviewed and selected from 651 submissions. The papers are organized in topical sections on grid computing, optical networks, wireless networks, QoS, WPAN, sensor networks, traffic control, communication architectures, audio and video communications, differentiated services, switching, streaming, MIMO, MPLS, ad-hoc networks, TCP, routing, signal processing, mobility, performance, peer-to-peer networks, network security, CDMA, network anomaly detection, multicast, 802.11 networks, and emergency, disaster, and resiliency.

Advances in Web-Age Information Management May 31 2022 This book constitutes the refereed proceedings of the 6th International Conference on Web-Age Information Management, WAIM 2005, held in Hangzhou, China, in October 2005. The 48 revised full papers, 50 revised short papers and 4 industrial papers presented together with 3 invited contributions were carefully reviewed and selected from 486 submissions. The papers are organized in topical sections on XML, performance and query evaluation, data mining, semantic Web and Web ontology, data management, information systems, Web services and workflow, data grid and database languages, agent and mobile data, database application and transaction management, and 3 sections with industrial, short, and demonstration papers.

Delay Tolerant Networks Mar 29 2022 A class of Delay Tolerant Networks (DTN), which may violate one or more of the assumptions regarding the overall performance characteristics of the underlying links in order to achieve smooth operation, is rapidly growing in importance but may not be well served by the current end-to-end TCP/IP model. Delay Tolerant Networks: Protocols and Applicat

Active and Programmable Networks Aug 22 2021 This volume contains the proceedings of the 7th International Working Conference on Active and Programmable Networks (IWAN 2005) that was held during November 21-23, 2005, in Sophia Antipolis, Cote d' Azur, France, jointly organized by Hitachi Europe and INRIA. IWAN 2005 took place against a backdrop of questions about the viability and – cessity of a conference that deals with an area perceived by many as having run its full course. The Organizing Committee, during the preparations of the conference, took these concerns seriously and reflected them in the theme of this year's event, entitled "Re-incarnating Active Networking Research," and expanding the scope of past calls for papers into topics that have emerged from active and programmable networks. The result was a success because we received 72 submissions, a number that – ceeded our expectations and in fact is one of the highest in the history of the conf- ence. The distinguished Technical Program Committee set high standards for the final program; each one of the submitted papers received three peer reviews with detailed comments and suggestions for the authors. In total, 13 papers were accepted for the main program sessions with 9 papers accepted unconditionally and the remaining 4 papers being conditionally accepted with shepherding by selected Program Committee members.

Grid and Cooperative Computing – GCC 2005 Dec 26 2021 This volume presents the accepted papers for the 4th International Conference onGridandCooperativeComputing(GCC2005),heldinBeijing,China,during November 30 – December 3, 2005.The conferenceseries of GCC aims to provide an international forum for the presentation and discussion of research trends on the theory, method, and design of Grid and cooperative computing as well as their scienti?c, engineering and commercial applications. It has become a major annual event in this area. The First International Conference on Grid and Cooperative Computing (GCC2002)received168submissions.GCC2003received550submissions,from which 176 regular papers and 173 short papers were accepted. The acceptance rate of regular papers was 32%, and the total acceptance rate was 64%. GCC 2004 received 427 main-conference submissions and 154 workshop submissions. The main conference accepted 96 regular papers and 62 short papers. The – ceptance rate of the regular papers was 23%. The total acceptance rate of the main conference was 37%. For this conference, we received 576 submissions. Each was reviewed by two independent members of the International Program Committee. After carefully evaluating their originality and quality, we accepted 57 regular papers and 84 short papers. The acceptance rate of regular papers was 10%. The total acc- tance rate was 25%.

Overlay Networks Oct 04 2022 With their ability to solve problems in massive information distribution and processing, while keeping scaling costs low, overlay systems represent a rapidly growing area of R&D with important implications for the evolution of Internet architecture. Inspired by the author's articles on content based routing, Overlay Networks: Toward Information Networking provides a complete

introduction to overlay networks. Examining what they are and what kind of structures they require, the text covers the key structures, protocols, and algorithms used in overlay networks. It reviews the current state of the art in applications, decentralized overlays, security, information routing, and information forwarding. The book provides readers with an overview of networking technologies, the TCP/IP protocol suite, and networking basics. It also examines: The foundations of structured overlays Unstructured P2P overlay networks Graph-based algorithms for information dissemination and probabilistic algorithms Content-centric routing and a number of protocols and algorithms Security challenges of P2P and overlay technologies—providing solutions for mitigating risks Written by a scientist who is a university professor and a senior member of the Nokia research staff, this forward-looking reference covers advanced issues concerning performance and scalability. It highlights recent developments and discusses specific algorithms, including BitTorrent, Coolstream, BitOs, Chord, Content Addressable Network, Content Delivery Networks, Overlay multicast, and Peer-to-Peer SIP. Complete with a number of frequently-used probabilistic techniques and projections for future trends, this authoritative resource provides the tools and understanding needed to create deployable solutions for processing and distributing the vast amounts of data that modern networks demand.

 Resilient Networks and Services Aug 29 2019 This volume of the Lecture Notes in Computer Science series contains the papers accepted for presentation at the Second International Conference on Autonomous Infrastructure, Management and Security (AIMS 2008). The conference took place in Bremen, Germany, hosted by the Jacobs University Bremen. AIMS 2008 was – ganized and supported by the EC IST-EMANICS Network of Excellence (#26854) in cooperation with ACM SIGAPP and ACM SIGMIS and co-sponsored by IFIP WG 6.6 and Jacobs University Bremen. This year's AIMS 2008 constituted the second edition of a single-track and standalone conference on management and security aspects of distributed and autonomous systems, which took place initially in Oslo, Norway in June 2007. The ?rst objective of the AIMS conference series is to stimulate the exchange of ideas in a cross-disciplinary forum where there is su?cient time for discussion of novel ideas. A second objective is to provide a forum for doctoral students to discuss their research ideas in a wider audience and to receive training to help make their research careers successful. To this end, AIMS includes a PhD workshop and a tutorial program that is o?ered as part of the main conference program.

 Information Security and Digital Forensics Sep 30 2019 ISDF 2009, the First International Conference on Information Security and Digital Forensics, was held at City University London during September 7-8, 2009. The c- ference was organized as a meeting point for leading national and international – perts of information security and digital forensics. The conference was rewarding in many ways; ISDF 2009 was an exciting and vibrant event, with 4 keynote talks, 25 invited talks and 18 full-paper presentations and those attending had the opportunity to meet and talk with many distinguished people who are responsible for shaping the area of information security. This conference was organized as part of two major research projects funded by the UK Engineering and Physical Sciences Research Council in the areas of Security and Digital Forensics. I would like to thank all the people who contributed to the technical program. The most apparent of these are the Indian delegates who all accepted our invite to give presentations at this conference. Less apparent perhaps is the terrific work of the members of the Technical Program Committee, especially in reviewing the papers, which is a critical and time-consuming task. I would like to thank Raj Rajarajan (City University London) for making the idea of the ISDF 2009 conference a reality with his hard work. Last but not least, I would like to thank all the authors who submitted papers, making the conference possible, and the authors of accepted papers for their cooperation. Dasun Weerasinghe

 Combinatorial Optimization and Applications Oct 24 2021 This book constitutes the refereed proceedings of the 4th International Conference on Combinatorial Optimization and Applications, COCOA 2010, held in Kailua-Kona, HI, USA, in December 2010. The 49 revised full papers were carefully reviewed and selected from 108 submissions.

 Kommunikation in Verteilten Systemen (KiVS) Aug 10 2020 Eine Veranstaltung der Informationstechnischen Gesellschaft (ITG/VDE) unter Beteiligung der Gesellschaft f�r Informatik (GI)Ausgerichtet von der Universit�t Leipzig

 Advances in Informatics Feb 13 2021 This book constitutes the refereed proceedings of the 10th Panhellenic Conference on Informatics, PCI 2005, held in Volas, Greece, in November 2005. The 83 revised full papers presented were carefully reviewed and selected from 252 submissions. The papers are organized in topical sections on data bases and data mining, algorithms and theoretical foundations, cultural and museum information systems, internet-scale software/information systems, wearable and mobile computing, computer graphics, virtual reality and visualization, AI, machine learning and knowledge bases, languages, text and speech processing, bioinformatics, software engineering, educational technologies, e-business, computer and sensor hardware and architecture, computer security, image and video processing, signal processing and telecommunications, computer and sensor networks.

 Overlay Network Mechanisms for Peer-to-Peer Systems Nov 05 2022