

A Context Aware Architecture For Iptv Services Personalization

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Intelligent Computing - Kohei Arai 2020-07-03

This book focuses on the core areas of computing and their applications in the real world. Presenting papers from the Computing Conference 2020 covers a diverse range of research areas, describing various detailed techniques that have been developed and implemented. The Computing Conference 2020, which provided a venue for academic and industry practitioners to share new ideas and development experiences, attracted a total of 514 submissions from pioneering academic researchers, scientists, industrial engineers and students from around the globe. Following a double-blind, peer-review process, 160 papers (including 15 poster papers) were selected to be included in these proceedings. Featuring state-of-the-art intelligent methods and techniques for solving real-world problems, the book is a valuable resource and will inspire further research and technological improvements in this important area.

Wireless Multi-Access Environments and Quality of Service Provisioning: Solutions and Application - Muntean, Gabriel-Miro 2012-01-31

"This book serves as a vital resource for practitioners to learn about the latest research and methodology within the field of wireless technology, covering important aspects of emerging technologies in the heterogeneous next generation network environment with a focus on wireless communications and their quality"--Provided by publisher.

Future Multimedia Networking - Andreas Mauthe 2009-06-09

This book constitutes the thoroughly refereed proceedings of the Future Multimedia Networking Workshop, FMN 2009, held in Coimbra, Portugal, in June 2009. This year`s workshop focuses on various aspects of multimedia systems, content networking, and autonomous communication. The 16 revised papers presented were carefully reviewed and selected from 64 submissions. Further this year a demonstration session on Future Multimedia Networks was held from which 12 papers were accepted. The papers are organized in topical sections on streaming and voice services in future multimedia networks; wireless & ad hoc networks in autonomic content networking ; group and multiparty services in autonomic content networking, as well as quality in video and internet services.

IT Convergence and Security 2012 - Kuinam J. Kim 2012-12-12

The proceedings approaches the subject matter with problems in technical convergence and convergences of security technology. This approach is new because we look at new issues that arise from techniques converging. The general scope of the proceedings content is convergence security and the latest information technology. The intended readership are societies, enterprises, and research institutes, and intended content level is mid- to highly educated personals. The most important features and benefits of the proceedings are the introduction of the most recent information technology and its related ideas, applications and problems related to technology convergence, and its case studies and finally an introduction of converging existing security techniques through convergence security. Overall, through the proceedings, authors will be able to understand the most state of the art information strategies and technologies of convergence security.

IMS - Khalid Al-Begain 2009-08-19

Providing an holistic approach to IMS technologies, **IMS: A Development and Deployment Perspective** explores service architecture for development and delivery of IMS services. Approaching IMS from the perspective of the user and the service provider it examines both the current state of deployment and future trends. The book offers a realistic view of IMS deployment to operators and service providers, giving practical examples, application cases and business models. It also presents IMS deployment strategies based on real-life deployment

statistics from a live IMS test bed connected to an operator network and proof-of-concept applications including inter-operability trials and results. Focusing on IMS potential in terms of service creation, service composition and service provision the book discusses the ability of IMS to act not only as a service delivery framework, but also as a service integration framework. It presents the possible future of IMS in terms of convergence with Internet services, including discussions about integration with web technologies including the WIMS 2.0 initiative. The book enables a better understanding of how web technologies can complement the IMS service architecture and pioneer the post-IMS progress and success. Presents a novel service-oriented approach to IMS services and applications from a deployment perspective Places IMS in the context of the current telecom environment providing business models through WIMS 2.0 initiative Predicts the trends and potential future for the IMS evolution Provides a technical foundation to IMS principles and architecture Gives examples and solutions to the challenges of service creation and implementation and analyses deployment hurdles and interoperability trials Describes trends of convergence based on IMS and Web technologies

GB/T-2016, GB-2016 -- Chinese National Standard PDF-English, Catalog (year 2016) - <https://www.chinesestandard.net> 2020-06-06

This document provides the comprehensive list of Chinese National Standards - Category: GB, GB/T Series of year 2016.

Computational Science and Its Applications - ICCSA 2020 - Osvaldo Gervasi 2020-09-28

The seven volumes LNCS 12249-12255 constitute the refereed proceedings of the 20th International Conference on Computational Science and Its Applications, ICCSA 2020, held in Cagliari, Italy, in July 2020. Due to COVID-19 pandemic the conference was organized in an online event. Computational Science is the main pillar of most of the present research, industrial and commercial applications, and plays a unique role in exploiting ICT innovative technologies. The 466 full papers and 32 short papers presented were carefully reviewed and selected from 1450 submissions. Apart from the general track, ICCSA 2020 also include 52 workshops, in various areas of computational sciences, ranging from computational science technologies, to specific areas of computational sciences, such as software engineering, security, machine learning and artificial intelligence, blockchain technologies, and of applications in many fields.

Management Enabling the Future Internet for Changing Business and New Computing Services - Choong Seon Hong 2009-09-19

We are delighted to present the proceedings of the 12th Asia-Paci?c Network Operations and Management Symposium (APNOMS 2009), which was held in Jeju, Korea, during September 23-25, 2009. Recently, various convergences in wired and wireless networks, and convergence of telecommunications and broadcastings, are taking place for ubiquitous multimedia service provisioning. For example, broadband IP/MPLS wired networks are actively converged with IEEE 802.11e wireless LAN, IEEE 802.16 Wireless MAN, 3G/4G wireless cellular networks, and direct multimedia broadcast (DMB) networks. For efficient support of service provisioning for ubiquitous multimedia services on the broadband convergence networks, well-designed and implemented network operations and management functions with Q-guaranteed traffic engineering are essential. The converged network will open the way for a new world with emerging new businesses and computing services. The Organizing Committee (OC) selected "Management Enabling the Future Internet for Changing Business and New Computing Services" as the timely theme of APNOMS 2009. Contributions from academia, industry and research institutions met these challenges with 173 paper submissions, from which 41 high-

quality papers (23.7% of the submissions) were selected for technical sessions as full papers, and 32 papers were selected as short papers. In addition, we had nine papers in -novation sessions for on-going research. Diverse topics were covered, including Tra?c Trace Engineering, Con?guration and Fault Management, Management of IP-Based Networks, Autonomous and Distributed Control, Sensor Network and P2P Management, Converged Networks and Tra?c Engineering, SLA and QoS Management, Active and Security Management, Wireless and Mobile N- work Management, and Security Management.

Internet Networks - Krzysztof Iniewski 2018-10-03

In the not too distant future, internet access will be dominated by wireless networks. With that, wireless edge using optical core next-generation networks will become as ubiquitous as traditional telephone networks. This means that telecom engineers, chip designers, and engineering students must prepare to meet the challenges and opportunities that the development and deployment of these technologies will bring. Bringing together cutting-edge coverage of wireless and optical networks in a single volume, *Internet Networks Wired, Wireless, and Optical Technologies* provides a concise yet complete introduction to these dynamic technologies. Filled with case studies, illustrations, and practical examples from industry, the text explains how wireless, wireline, and optical networks work together. It also: Covers WLAN, WPAN, wireless access, 3G/4G cellular, RF transmission Details optical networks involving long-haul and metropolitan networks, optical fiber, photonic devices, and VLSI chips Provides clear instruction on the application of wireless and optical networks Taking into account recent advances in storage, processing, sensors, displays, statistical data analyses, and autonomic systems, this reference provides forward thinking engineers and students with a realistic vision of how the continued evolution of the technologies that touch wireless communication will soon reshape markets and business models around the world.

Advances in Next Generation Services and Service Architectures - Anand R. Prasad 2011

The book is intended to provide readers with a comprehensive reference for the most current developments in the field. It offers broad coverage of important topics with eighteen chapters covering both technology and applications written by international experts.

Web-Based Services: Concepts, Methodologies, Tools, and Applications - Management Association, Information Resources 2015-11-09

The recent explosion of digital media, online networking, and e-commerce has generated great new opportunities for those Internet-savvy individuals who see potential in new technologies and can turn those possibilities into reality. It is vital for such forward-thinking innovators to stay abreast of all the latest technologies. *Web-Based Services: Concepts, Methodologies, Tools, and Applications* provides readers with comprehensive coverage of some of the latest tools and technologies in the digital industry. The chapters in this multi-volume book describe a diverse range of applications and methodologies made possible in a world connected by the global network, providing researchers, computer scientists, web developers, and digital experts with the latest knowledge and developments in Internet technologies.

Web Reasoning and Rule Systems - Roman Kontchakov 2014-09-06

This book constitutes the refereed proceedings of the 8th International Conference on Web Reasoning and Rule Systems, RR 2014, held in Athens, Greece in September 2014. The 9 full papers, 9 technical communications and 5 poster presentations presented together with 3 invited talks, 3 doctoral consortial papers were carefully reviewed and selected from 33 submissions. The conference covers a wide range of the following: semantic Web, rule and ontology languages, and related logics, reasoning, querying, searching and optimization, incompleteness, inconsistency and uncertainty, non-monotonic, common sense, and closed-world reasoning for the web, dynamic information, stream reasoning and complex event processing, decision making, planning, and intelligent agents, machine learning, knowledge extraction and information retrieval, data management, data integration and reasoning on the web of data, ontology-based data access, system descriptions, applications and experiences.

Design Issues for Service Delivery Platforms - Martin Bergaus 2015-07-01

Martin Bergaus investigated Service Delivery Platforms (SDP), focussing on their challenges and design aspects from a user's perspective. Qualitatively he incorporated user experience in SDP research, developing a Grounded Theory (GT) then set out parameters needed when developing SDP investigations from a user viewpoint, before

technical implementation. This study indicates usability factors for future SDP systems and contributes to the exploratory framework represented by the six GT categories. The results of this study benefit Information Systems (IS) experts developing SDP based ICT systems and those interested in practical applications of GT.

Sensor Systems and Software - Gerard Parr 2011-10-19

This book constitutes the thoroughly refereed post-conference proceedings of the Second International ICST Conference on Sensor Systems and Software, S-Cube 2010, held in Miami, Florida, USA, in December 2010. The 17 revised full papers presented were carefully reviewed and selected and cover a wide range of topics including sensor application programming paradigms, novel sensor applications, sensor network middleware, trust security and privacy, wireless sensor network management and monitoring, and sensor application development support systems.

Advances in Internet and World Wide Web Research and Application: 2012 Edition - 2012-12-26

Advances in Internet and World Wide Web Research and Application / 2012 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Internet and World Wide Web. The editors have built *Advances in Internet and World Wide Web Research and Application / 2012 Edition* on the vast information databases of ScholarlyNews.™ You can expect the information about Internet and World Wide Web in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of *Advances in Internet and World Wide Web Research and Application / 2012 Edition* has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Handbook of Research on Wireless Multimedia: Quality of Service and Solutions - Cranley, Nicola 2008-07-31

"This book highlights and discusses the underlying QoS issues that arise in the delivery of real-time multimedia services over wireless networks"-- Provided by publisher.

Image Processing and Communications Challenges 4 - Ryszard S. Choraś 2012-08-16

This textbook collects a series of research papers in the area of Image Processing and Communications which not only introduce a summary of current technology but also give an outlook of potential future problems in this area. Image Processing and Communications have undergone an impressive development. Recent evolutions in this area have led to a pervasive spread in many areas of human life and have become such a critical component in contemporary science and technology. The book is divided into two parts. The first part contains recent research results in image processing, whilst the second part contains recent research results in communications.

Smart Data and Computational Intelligence - Faddoul Khoukhi 2019-02-28

This book gathers the proceedings of the International Conference on Advanced Information Technology, Services and Systems (AIT2S-18), which was held in Mohammedia, Morocco on October 17-18, 2018. Presenting the latest research in the fields of Modern Information Engineering Concepts and Communication Systems, the book will also be of interest to those working in emerging fields such as Advances in Networking and Sensor Networks, Advances in Software Engineering, Multimedia Systems, E-learning, Big Data, Intelligent Information Systems and Advances in Natural Language Processing.

Future Internet Services and Service Architectures - Anand R. Prasad 2022-09-01

Future Internet Services and Service Architectures presents state-of-the-art results in services and service architectures based on designs for the future Internet and related emerging networks. The discussions include technology issues, key services, business models, and security. The work describes important trends and directions. *Future Internet Services and Service Architectures* is intended to provide readers with a comprehensive reference for the most current developments in the field. It offers broad coverage of important topics with twenty chapters covering both technology and applications written by international experts. The 20 chapters of *Future Internet Services and Service Architectures* are organized into the following five sections:-• Future Internet Services -- This section contains four chapters which present

recent proposals for a new architecture for the Internet, with service delivery in the Future Internet as the key focus. • Peer-to-Peer Services -- Using the P2P network overlay as a service platform, five chapters explore the P2P architecture and its use for streaming services, communication services, and service discovery. • Virtualization -- Virtualization and its benefits for resource management, supporting heterogeneity, and isolation are the basis for five chapters which describe virtualization at the endpoint, in the cloud, and in the network. • Event-Distribution -- Publish/Subscribe mechanisms are important for applications which require time-sensitive delivery of notifications. The two chapters in this section present recent developments in publish/subscribe load balancing and in sensor networks. • VANETs - Vehicular Ad Hoc Networks (VANETs) are a network technology which are designed for vehicle-to-vehicle and vehicle-to-infrastructure connectivity for moving vehicles. The four chapters in this section provide an introduction to VANETs, routing, services and system architecture. Future Internet Services and Service Architectures is complemented by a separate volume, Advances in Next Generation Services and Service Architectures, which covers emerging services and service architectures, IPTV, context awareness, and security.

Media Networks - Hassnaa Moustafa 2016-04-19

A rapidly growing number of services and applications along with a dramatic shift in users' consumption models have made media networks an area of increasing importance. Do you know all that you need to know? Supplying you with a clear understanding of the technical and deployment challenges, Media Networks: Architectures, Applications, and Standard

Emergent Trends in Personal, Mobile, and Handheld Computing Technologies - Hu, Wen-Chen 2012-04-30

"This book offers a vital research within the field of personal computing, highlighting the latest trends in research and development of personal technology"--Provided by publisher.

Handbook of Enterprise Integration - Mostafa Hashem Sherif 2009-11-09

Maintaining compatibility among all affected network and application interfaces of modern enterprise systems can quickly become costly and overwhelming. This handbook presents the knowledge and practical experience of a global group of experts from varying disciplines to help you plan and implement enterprise integration projects that respond to bu

Autonomic Network Management Principles - Nazim Agoulmine 2010-12-03

Autonomic networking aims to solve the mounting problems created by increasingly complex networks, by enabling devices and service-providers to decide, preferably without human intervention, what to do at any given moment, and ultimately to create self-managing networks that can interface with each other, adapting their behavior to provide the best service to the end-user in all situations. This book gives both an understanding and an assessment of the principles, methods and architectures in autonomous network management, as well as lessons learned from, the ongoing initiatives in the field. It includes contributions from industry groups at Orange Labs, Motorola, Ericsson, the ANA EU Project and leading universities. These groups all provide chapters examining the international research projects to which they are contributing, such as the EU Autonomic Network Architecture Project and Ambient Networks EU Project, reviewing current developments and demonstrating how autonomic management principles are used to define new architectures, models, protocols, and mechanisms for future network equipment. Provides reviews of cutting-edge approaches to the management of complex telecommunications, sensors, etc. networks based on new autonomic approaches. This enables engineers to use new autonomic techniques to solve complex distributed problems that are not possible or easy to solve with existing techniques. Discussion of FOCALÉ, a semantically rich network architecture for coordinating the behavior of heterogeneous and distributed computing resources. This provides vital information, since the data model holds much of the power in an autonomic system, giving the theory behind the practice, which will enable engineers to create their own solutions to network management problems. Real case studies from the groups in industry and academia who work with this technology. These allow engineers to see how autonomic networking is implemented in a variety of scenarios, giving them a solid grounding in applications and helping them generate their own solutions to real-world problems.

Handbook of Research on Redesigning the Future of Internet Architectures - Boucadair, Mohamed 2015-05-31

As the volume of global Internet traffic increases, the Internet is beginning to suffer from a broad spectrum of performance-degrading infrastructural limitations that threaten to jeopardize the continued growth of new, innovative services. In answer to this challenge, computer scientists seek to maintain the original design principles of the Internet while allowing for a more dynamic approach to the manner in which networks are designed and operated. The Handbook of Research on Redesigning the Future of Internet Architectures covers some of the hottest topics currently being debated by the Internet community at large, including Internet governance, privacy issues, service delivery automation, advanced networking schemes, and new approaches to Internet traffic-forwarding and path-computation mechanics. Targeting students, network-engineers, and technical strategists, this book seeks to provide a broad and comprehensive look at the next wave of revolutionary ideas poised to reshape the very foundation of the Internet as we know it.

Telematics and Computing - Miguel Felix Mata-Rivera 2018-11-01

This book constitutes the thoroughly refereed proceedings of the 7th International Congress on Telematics and Computing, WITCOM 2018, held in Mazatlán, Mexico in November 2018. The 23 full papers presented in this volume were carefully reviewed and selected from 57 submissions. They present and organize the knowledge from within the field of telematics and security, data analytics and Machine Learning, IoT and mobile computing.

IPTV Delivery Networks - Suliman Mohamed Fati 2018-04-06

A guide to the current technologies related to the delivery process for both live and on-demand services within IPTV delivery networks IPTV Delivery Networks is an important resource that offers an in-depth discussion to the IPTV (Internet Protocol Television) delivery networks for both live and on demand IPTV services. This important book also includes a review of the issues and challenges surrounding the delivery of IPTV over various emerging networking and communications technologies. The authors — an international team of experts — introduce a framework for delivery network applicable for live and video-on-demand services. They review the fundamental issues of IPTV delivery networks and explore the QoS (Quality of Service) issue for IPTV delivery networks that highlights the questions of security and anomaly detection as related to quality. IPTV Delivery Networks also contains a discussion of the mobility issues and next-generation delivery networks. This guide captures the latest available and usable technologies in the field and: Explores the technologies related to delivery process for both live (real time) and on demand services in highly accessible terms Includes information on the history, current state and future of IPTV delivery Reviews all the aspects of delivery networks including storage management, resource allocation, broadcasting, video compression, QoS and QoE Contains information on current applications including Netflix (video on demand), BBC iPlayer (time-shifted IPTV) and live (real time) streaming Written for both researchers and industrial experts in the field of IPTV delivery networks. IPTV Delivery Networks is a groundbreaking book that includes the most current information available on live and on demand IPTV services.

Smart Spaces and Next Generation Wired/Wireless Networking - Sergey Balandin 2010-08-26

This book constitutes the refereed proceedings of the 10th International Conference on Next Generation Teletraffic and Wired/Wireless Advanced Networking, NEW2AN 2010, held in conjunction with the Third Conference on Smart Spaces, ruSMART 2009 in St. Petersburg, Russia, in August 2010. The 27 revised NEW2AN full papers are organized in topical sections on performance evaluation; performance modeling; delay-/disruption-tolerant networking and overlay systems; integrated wireless networks; resource management; and multimedia communications. The 14 revised ruSMART full papers are about smart spaces use cases; smart-M3 platform; and smart spaces solutions.

Information Diffusion Management and Knowledge Sharing:

Breakthroughs in Research and Practice - Management Association, Information Resources 2019-10-11

Within the past 10 years, tremendous innovations have been brought forth in information diffusion and management. Such technologies as social media have transformed the way that information is disseminated and used, making it critical to understand its distribution through these mediums. With the consistent creation and wide availability of information, it has become imperative to remain updated on the latest trends and applications in this field. Information Diffusion Management and Knowledge Sharing: Breakthroughs in Research and Practice examines the trends, models, challenges, issues, and strategies of

information diffusion and management from a global context. Highlighting a range of topics such as influence maximization, information spread control, and social influence, this publication is an ideal reference source for managers, librarians, information systems specialists, professionals, researchers, and administrators seeking current research on the theories and applications of global information management.

Issues in Advertising, Mass Communication, and Public Relations: 2013 Edition - 2013-05-01

Issues in Advertising, Mass Communication, and Public Relations: 2013 Edition is a ScholarlyBrief™ that delivers timely, authoritative, comprehensive, and specialized information about Additional Research in a concise format. The editors have built Issues in Advertising, Mass Communication, and Public Relations: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Additional Research in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Advertising, Mass Communication, and Public Relations: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Wired-Wireless Multimedia Networks and Services Management - Tom Pfeifer 2009-10-15

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 International Week on Management of Networks and Services (Manweek 2009). As in the previous four years, the Manweek umbrella allowed an international 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 International Workshop on Distributed Systems: Operations and Management (DSOM 2009), the 9th IEEE Workshop on IP Operations and Management (IPOM 2009), the 4th IEEE International Workshop on Modeling Autonomic Communications Environments (MACE 2009), and the 6th International Workshop on Next Generation 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 networked services. The scope of MMNS has been expanded in recent years to include management of emerging mobile and wireless networks and their integration with more traditional network infrastructures. The objective of the conference is to bring together researchers and 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.

Future Multimedia Networking - Sherali Zeadally 2010-06-09

This book constitutes the refereed proceedings of the Future Multimedia Networking Workshop, FMN 2010, held in Krakow, Poland, in June 2010. The 16 revised full papers presented were carefully reviewed and selected from 45 submissions. The papers are organized in topical sections on quality of service (QoS) and quality of experience (QoE) management in content centric networks, video quality assessment in future multimedia networking, video distribution in future multimedia networking, and demonstration on future multimedia networking.

Beyond the Quadruple Play - International Engineering Consortium 2007

Covering all topics related to strategies and experiences on quad-play service design and delivery, the guide points out that packaging together multiple services onto a single customer-friendly bundle have actually led to positive results, such as customer loyalty to service packages and a highly reduced churn rate. In addition, networks can actually deliver more efficient converging services, thus yielding a double win for providers as customer retention is increased and operating costs are better managed.

Technology for Facilitating Humanity and Combating Social Deviations: Interdisciplinary Perspectives - Vargas Martin, Miguel 2010-10-31

Technology has been used to perpetrate crimes against humans, animals,

and the environment, which include racism, cyber-bullying, illegal pornography, torture, illegal trade of exotic species, irresponsible waste disposal, and other harmful aberrations of human behavior. Technology for Facilitating Humanity and Combating Social Deviations:

Interdisciplinary Perspectives provides a state-of-the-art compendium of research and development on socio-technical approaches to support the prevention, mitigation, and elimination of social deviations with the help of computer science and technology. This book provides historical backgrounds, experimental studies, and future perspectives on the use of computing tools to prevent and deal with physical, psychological and social problems that impact society as a whole.

Pervasive Computing - Ciprian Dobre 2016-05-06

Pervasive Computing: Next Generation Platforms for Intelligent Data Collection presents current advances and state-of-the-art work on methods, techniques, and algorithms designed to support pervasive collection of data under ubiquitous networks of devices able to intelligently collaborate towards common goals. Using numerous illustrative examples and following both theoretical and practical results the authors discuss: a coherent and realistic image of today's architectures, techniques, protocols, components, orchestration, choreography, and developments related to pervasive computing components for intelligently collecting data, resource, and data management issues; the importance of data security and privacy in the era of big data; the benefits of pervasive computing and the development process for scientific and commercial applications and platforms to support them in this field. Pervasive computing has developed technology that allows sensing, computing, and wireless communication to be embedded in everyday objects, from cell phones to running shoes, enabling a range of context-aware applications. Pervasive computing is supported by technology able to acquire and make use of the ubiquitous data sensed or produced by many sensors blended into our environment, designed to make available a wide range of new context-aware applications and systems. While such applications and systems are useful, the time has come to develop the next generation of pervasive computing systems. Future systems will be data oriented and need to support quality data, in terms of accuracy, latency and availability. Pervasive Computing is intended as a platform for the dissemination of research efforts and presentation of advances in the pervasive computing area, and constitutes a flagship driver towards presenting and supporting advanced research in this area. Indexing: The books of this series are submitted to EI-Compendex and SCOPUS Offers a coherent and realistic image of today's architectures, techniques, protocols, components, orchestration, choreography, and development related to pervasive computing Explains the state-of-the-art technological solutions necessary for the development of next-generation pervasive data systems, including: components for intelligently collecting data, resource and data management issues, fault tolerance, data security, monitoring and controlling big data, and applications for pervasive context-aware processing Presents the benefits of pervasive computing, and the development process of scientific and commercial applications and platforms to support them in this field Provides numerous illustrative examples and follows both theoretical and practical results to serve as a platform for the dissemination of research advances in the pervasive computing area

IP Multimedia Subsystem (IMS) Handbook - Mohammad Ilyas 2018-10-03

Take Part in the Future of Wireless/Wireline Convergence The IP multimedia subsystem (IMS), established as the foundation for future wireless and wireline convergence, is the bedrock that will facilitate easy deployment on new, rich, personalized multimedia communication services that mix telecom and data services. Designers, planners, and researchers of communication systems will need to make full use of the technology occurring with this convergence if they want to be the ones providing end users with new and efficient services that are as cost-effective as they are innovative. To provide researchers and technicians with the tools they need to optimize their role in this communication revolution, the IP Multimedia Subsystem (IMS) Handbook presents all the technical aspects of the IMS needed to support the growth of digital traffic and the implementation of underlying networks. This guide covers everything from basic concepts to research-grade material, including the future direction of the architecture. Organized in three sections, the book brings together the technical savvy of 50 pioneering experts from around the world, providing complete coverage of relevant concepts, technologies, and services. Learn How IMS Will Speed Innovation Filling the gap between existing traditional telecommunications and Internet technologies, IMS has led to an environment in which new services and

concepts are introduced more quickly than ever before, such as reusable service components and real-time integration. The technology promises to be a cost-effective evolutionary path to future wireless and wireline convergences that will meet next-generation service requirements.

Mobile Multimedia Communications - Jonathan Rodriguez 2012-10-29

This book constitutes the thoroughly refereed post-conference proceedings of the 6th International ICST Conference on Mobile Multimedia Communications (MOBIMEDIA 2010) held in Lisbon, Portugal, in September 2010, which was accompanied by the First International Workshop on Cognitive Radio and Cooperative Strategies for POWER Saving (C2POWER 2010), the Workshop on Impact of Scalable Video Coding on Multimedia Provisioning (SVCVision 2010), and the First International Workshop on Energy-efficient and Reconfigurable Transceivers (EERT 2010). The 59 revised full papers presented were carefully reviewed and selected from numerous submissions and are organized in topical sections on advanced techniques for video transmission; multimedia distribution; modelling of wireless systems; cellular networks; mobility concepts for IMT-advances (MOBILIA); media independent handovers (MIH-4-MEDIA); and IP-based emergency applications and services for next generation networks (PEACE).

ETRI Technology Report - ETRI 2015-12-10

Message from the President History Mission & Achievement Vision & Common Core Technology IT Convergence Technology Research Laboratory Information & Communications Core Technology Research Laboratory Broadcasting & Telecommunications Media Research Laboratory Communications Internet Research Laboratory SW·Content Laboratory Future Research Creative Laboratory Technology Commercialization Division General Status Nationwide Regional Research Center Global R&D Cooperation Network

Targeted Advertising Technologies in the ICT Space - Christian Schlee 2013-10-01

In recent years, the field of information and communication technology has started to change dramatically. Carriers are threatened by high revenue losses requiring them to identify new revenue potentials beyond their core business. Targeted advertising can be one of these revenue opportunities. Christian Schlee provides a broad overview of the latest developments and trends in targeted advertising in the ICT space. The author focuses on the technological aspects of targeted advertising, but also covers business and legal aspects. He analyzes the most interesting use cases in the Web, IPTV, the mobile environment, and in converged scenarios and examines important technological key building blocks.

Future Internet Services and Service Architectures - Anand R. Prasad 2011-06-02

Future Internet Services and Service Architectures presents state-of-the-art results in services and service architectures based on designs for the future Internet and related emerging networks. The discussions include technology issues, key services, business models, and security. The work describes important trends and directions. Future Internet Services and Service Architectures is intended to provide readers with a comprehensive reference for the most current developments in the field. It offers broad coverage of important topics with twenty chapters covering both technology and applications written by international experts. The 20 chapters of Future Internet Services and Service Architectures are organized into the following five sections: -- Future Internet Services -- This section contains four chapters which present recent proposals for a new architecture for the Internet, with service delivery in the Future Internet as the key focus.- Peer-to-Peer Services -- Using the P2P network overlay as a service platform, five chapters explore the P2P architecture and its use for streaming services, communication services, and service discovery.- Virtualization -- Virtualization and its benefits for resource management, supporting heterogeneity, and isolation are the basis for five chapters which describe virtualization at the endpoint, in the cloud, and in the network.- Event-Distribution -- Publish/Subscribe mechanisms are important for applications which require time-sensitive delivery of notifications. The two chapters in this section present recent developments in publish/subscribe load balancing and in sensor networks.- VANETs - Vehicular Ad Hoc Networks (VANETs) are a network technology which are designed for vehicle-to-vehicle and vehicle-to-infrastructure connectivity for moving vehicles. The four chapters in this section provide an introduction to VANETs, routing, services and system architecture. Future Internet Services and Service Architectures is complemented by a separate volume, Advances in Next Generation Services and Service Architectures, which covers emerging services and service architectures, IPTV, context awareness, and security.

The Future of Wireless Networks - Mohesen Guizani 2015-09-22

The exponential increase in mobile device users and high-bandwidth applications has pushed the current 3G and 4G wireless networks to their capacity. Moreover, it is predicted that mobile data traffic will continue to grow by over 300 percent by 2017. To handle this spectacular growth, the development of improved wireless networks for the future has