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BISHOP KIERA

The Smart Solution Book Springer Science & Business Media

This book constitutes the refereed proceedings of the Workshop on Collaborative Agents, Research and Development, CARE 2014, and the Workshop on Agents, Virtual Societies and Analytics, AVSC 2014, held as Part of AAMAS 2014 in Paris, France, in May 2014. The 10 revised full papers presented were carefully reviewed and selected from more than 40 submissions. The papers deal with the following topics: an ubiquitous service-oriented architecture for urban sensing; geo-fencing based disaster management service; applying ontologies and agent technologies to generate ambient intelligence applications; VIRTUAL-ME: a library for smart autonomous agents in multiple virtual environments; shared message boards for smart enterprises; an improved learning automata approach for the route choice problem; urban context detection and context-aware recommendation via networks of humans as sensors; mining social interaction data in virtual worlds; a multi-agent architecture to support ubiquitous applications in smart environments; caring for my neighborhood: a platform for public oversight.

Re-imagining Diffusion and Adoption of Information Technology and Systems: A Continuing Conversation Springer

This book constitutes the refereed proceedings of the 10th International Conference on Smart Homes and Health Telematics, ICOST 2012, held in Artimino, Tuscany, Italy, June 12- 15, 2012. The 25 revised full papers presented together with 22 short papers were carefully reviewed and selected from 74 submissions. The papers are categorized into a number of sessions that include: User Engagement for Improved Adoption of Assistive Technologies, Self-Management and Tele-Rehabilitation, Advances in Remote Monitoring and Activity Recognition, Sensor Networks for Unobtrusive Monitoring Solutions, and Real World "Aware" Systems.

Smart Questions IOS Press

The engineering, deployment and security of the future smart grid will be an enormous project requiring the consensus of many stakeholders with different views on the security and privacy requirements, not to mention methods and solutions. The fragmentation of research agendas and proposed approaches or solutions for securing the future smart grid becomes apparent observing the results from different projects, standards, committees, etc, in different countries. The different approaches and views of the papers in this collection also witness this fragmentation. This book contains three full-paper length invited papers and 7 corrected and extended papers from the First International Workshop on Smart Grid Security, SmartGridSec 2012, which brought together researchers from different communities from academia and industry in the area of securing the Future Smart Grid and was held in Berlin, Germany, on December 3, 2012.

Global Problems, Smart Solutions John Wiley & Sons

This book constitutes the proceedings of the 6th International Conference on the Internet of Vehicles, IOV 2019, which took place in Kaohsiung, Taiwan, in November 2019. The 23 papers presented in this volume were carefully reviewed and selected from 101 submissions. The papers focus on providing new efficient solutions with digital intervehicular data transfer and overall communications. Yet, IOV is different from Telematics, Vehicle Ad hoc Networks, and Intelligent Transportation, in which vehicles like phones can run within the whole network, and obtain various services by swarm intelligent computing with people, vehicles, and environments.

Towards Smart Solutions for Information Usage in Higher Education Springer

This book gathers the most recent developments in fuzzy & intelligence systems and real complex systems presented at INFUS 2020, held in Istanbul on July 21-23, 2020. The INFUS conferences are a well-established international research forum to advance the foundations and applications of intelligent and fuzzy systems, computational intelligence, and soft computing, highlighting studies on fuzzy & intelligence systems and real complex systems at universities and international research institutions. Covering a range of topics, including the theory and applications of fuzzy set

extensions such as intuitionistic fuzzy sets, hesitant fuzzy sets, spherical fuzzy sets, and fuzzy decision-making; machine learning; risk assessment; heuristics; and clustering, the book is a valuable resource for academics, M.Sc. and Ph.D. students, as well as managers and engineers in industry and the service sectors.

IoT-enabled Smart Healthcare Systems, Services and Applications Cambridge University Press
The Water Partnership Program (WPP) report, *Sharing Smart Solutions in Water* summarizes the achievements and impact of WPP's Phase I (2009 - 2012). The report showcases the Program's results across six regions, as well as its global impact on knowledge and innovation. It also demonstrates how the WPP has strengthened the quality of World Bank projects and shaped policy dialogue in areas calling for immediate action, such as climate change, energy and food security, and urban water management. The WPP continues to be a critical tool for supporting World Bank efforts to reduce poverty, thanks to the continuous support of the governments of the Netherlands, the United Kingdom, and Denmark. Acknowledging the impact of the WPP, the donors have committed to a larger and bolder Phase II for the next four years.

Grid and Pervasive Computing Workshops Springer

b"IoT-Enabled Smart Healthcare Systems, Services and Applications Explore the latest healthcare applications of cutting-edge technologies In IoT-Enabled Smart Healthcare Systems, Services and Applications, an accomplished team of researchers delivers an insightful and comprehensive exploration of the roles played by cutting-edge technologies in modern healthcare delivery. The distinguished editors have included resources from a diverse array of learned experts in the field that combine to create a broad examination of a rapidly developing field. With a particular focus on Internet of Things (IoT) technologies, readers will discover how new technologies are impacting healthcare applications from remote monitoring systems to entire healthcare delivery methodologies. After an introduction to the role of emerging technologies in smart health care, this volume includes treatments of ICN-Fog computing, edge computing, security and privacy, IoT architecture, vehicular ad-hoc networks (VANETs), and patient surveillance systems, all in the context of healthcare delivery. Readers will also find: A thorough introduction to ICN-Fog computing for IoT based healthcare, including its architecture and challenges Comprehensive explorations of Internet of Things enabled software defined networking for edge computing in healthcare Practical discussions of a review of e-healthcare systems in India and Thailand, as well as the security and privacy issues that arise through the use of smart healthcare systems using Internet of Things devices In-depth examinations of the architecture and applications of an Internet of Things based healthcare system Perfect for healthcare practitioners and allied health professionals, hospital administrators, and technology professionals, IoT-Enabled Smart Healthcare Systems, Services and Applications is an indispensable addition to the libraries of healthcare regulators and policymakers seeking a one-stop resource that explains cutting-edge technologies in modern healthcare.

Sharing Smart Solutions in Water Taunton

With the increasing worldwide trend in population migration into urban centers, we are beginning to see the emergence of the kinds of mega-cities which were once the stuff of science fiction. It is clear to most urban planners and developers that accommodating the needs of the tens of millions of inhabitants of those megalopolises in an orderly and uninterrupted manner will require the seamless integration of and real-time monitoring and response services for public utilities and transportation systems. Part speculative look into the future of the world's urban centers, part technical blueprint, this visionary book helps lay the groundwork for the communication networks and services on which tomorrow's "smart cities" will run. Written by a uniquely well-qualified author team, this book provides detailed insights into the technical requirements for the wireless sensor and actuator networks required to make smart cities a reality.

Proceedings of the INFUS 2020 Conference, Istanbul, Turkey, July 21-23, 2020 IGI Global

This SpringerBrief discusses the rise of the smart grid from the perspective of computing and communications. It explains how current and next-generation network technology and

methodologies help recognize the potential that the smart grid initiative promises. Chapters provide context on the smart grid before exploring specific challenges related to communication control and energy management. Topics include control in heterogeneous power supply, solutions for backhaul and wide area networks, home energy management systems, and technologies for smart energy management systems. Designed for researchers and professionals working on the smart grid, *Communication Challenges and Solutions in the Smart Grid* offers context and applications for the common issues of this developing technology. Advanced-level students interested in networking and communications engineering will also find the brief valuable.

Smart Grid Security Springer Nature

The ability of future industry to create interactive, flexible and always-on connections between design, manufacturing and supply is an ongoing challenge, affecting competitiveness, efficiency and resourcing. The goal of enterprise interoperability (EI) research is therefore to address the effectiveness of solutions that will successfully prepare organizations for the advent and uptake of new technologies. This volume outlines results and practical concepts from recent and ongoing European research studies in EI, and examines the results of research and discussions cultivated at the I-ESA 2018 conference, "Smart services and business impact of enterprise interoperability". The conference, designed to encourage collaboration between academic inquiry and real-world industry applications, addressed a number of advanced multidisciplinary topics including Industry 4.0, Big Data, the Internet of Things, Cloud computing, ontology, artificial intelligence, virtual reality and enterprise modelling for future "smart" manufacturing. Readers will find this book to be a source of invaluable knowledge for enterprise architects in a range of industries and organizations.

Taunton

This book contains papers describing the major scientific achievements supported by European funding in the area of Future Internet. It is published in the context of FIA, the Future Internet Assembly¹, which is structured to permit interactions across technical domains from researchers and other stakeholders active in Future Internet research. FIA holds two meetings per year and calls on those involved in relevant funded research projects to participate actively and to steer its work. On 31 March, 2008 the Bled Declaration "Towards a European approach to the Future Internet"² was officially presented at the FIA Conference in Bled, Slovenia "In the future, even more users, objects, services and critical information infrastructures will be networked through the Future Internet which will underpin an ever larger share of our modern and global economies. It is therefore time to strengthen and focus European activities on the Future Internet to maintain Europe's competitiveness in the global marketplace. A significant change is required and the European Internet scientific and economic actors, researchers, industrialists, SMEs, users, service and content providers, now assert the urgent necessity to redesign the Internet, taking a broad multidisciplinary approach, to meet Europe's societal and commercial ambitions."

Security Solutions and Applied Cryptography in Smart Grid Communications Springer

Smart Cities and Artificial Intelligence offers a comprehensive view of how cities are evolving as smart ecosystems through the convergence of technologies incorporating machine learning and neural network capabilities, geospatial intelligence, data analytics & visualization, sensors, and smart connected objects to name a few. These recent advances in AI move us closer to developing operating systems that simulate human, machine, and environmental patterns from transportation infrastructure to communication networks. Understanding cities as real-time, living, dynamic systems coupled with new tools including generative design allows readers to plan, manage, and optimize city operations, making cities more efficient and sustainable with the ultimate goal of becoming self-regulating. *Smart Cities and Artificial Intelligence* provides a transdisciplinary, integrated approach, using theoretical and applied insights to examine how the digital and physical worlds are converging and how a new combination of human and machine intelligence is capable of transforming the experience of the urban environment. It provides a fresh holistic perspective on smart cities through an interconnect stream of theory, methodology, system

architecture, and the application of Smart City Functions to define an integrated process of the design, planning, and implementation of smart cities.

Pervasive and Smart Technologies for Healthcare: Ubiquitous Methodologies and Tools IGI Global Smart City Emergence: Cases from Around the World analyzes how smart cities are currently being conceptualized and implemented, examining the theoretical underpinnings and technologies that connect theory with tangible practice achievements. Using numerous cities from different regions around the globe, the book compares how smart cities of different sizes are evolving in different countries and continents. In addition, it examines the challenges cities face as they adopt the smart city concept, separating fact from fiction, with insights from scholars, government officials and vendors currently involved in smart city implementation. Utilizes a sound and systematic research methodology Includes a review of the latest research developments Contains, in each chapter, a brief summary of the case, an illustration of the theoretical context that lies behind the case, the case study itself, and conclusions showing learned outcomes Examines smart cities in relation to climate change, sustainability, natural disasters and community resiliency
Workshop on Collaborative Agents, Research and Development, CARE 2014, and Workshop on Agents, Virtual Societies and Analytics, AVSA 2014, Held as Part of AAMAS 2014, Paris, France, May 5-9, 2014. Revised Selected Papers Taunton

With the help of the detailed drawings and step-by-step instructions and photos, you can build and install ingenious shop additions. In this book, Paul Anthony has collected some of the best ideas for shop accessories, workstations, jigs, and storage solutions.

Smart Grid Security Butterworth-Heinemann

Intelligent Environments (IE) play an increasingly important role in many areas of our lives, including education, healthcare and the domestic environment. The term refers to physical spaces incorporating pervasive computing technology used to achieve specific goals for the user, the environment or both. This book presents the proceedings of the workshops of the 9th International Conference on Intelligent Environments (IE '13), held in Athens, Greece, in July 2013. The workshops which were presented in the context of this conference range from regular lectures to practical sessions. They provide a forum for scientists, researchers and engineers from both

industry and academia to engage in discussions on newly emerging or rapidly evolving topics in the field. Topics covered in the workshops include artificial intelligence techniques for ambient intelligence; applications of affective computing in intelligent environments; smart offices and other workplaces; intelligent environment technology in education for creative learning; museums as intelligent environments; the application of intelligent environment technologies in the urban context for creating more sociable, intelligent cities and for constructing urban intelligence. IE can enrich user experience, better manage the environment's resources, and increase user awareness of that environment. This book will be of interest to all those whose work involves the application of intelligent environments.

Smart Cities and Artificial Intelligence Smart Workshop Solutions Building Workstations, Jigs, and Accessories to Improve Your Shop

This two-volume set of IFIP AICT 617 and 618 constitutes the refereed proceedings of the IFIP WG 8.6 International Working Conference "Re-imagining Diffusion and Adoption of Information Technology and Systems: A Continuing Conversation" on Transfer and Diffusion of IT, TDIT 2020, held in Tiruchirappalli, India, in December 2020. The 86 revised full papers and 36 short papers presented were carefully reviewed and selected from 224 submissions. The papers focus on the re-imagination of diffusion and adoption of emerging technologies. They are organized in the following parts: Part I: artificial intelligence and autonomous systems; big data and analytics; blockchain; diffusion and adoption technology; emerging technologies in e-Governance; emerging technologies in consumer decision making and choice; fin-tech applications; healthcare information technology; and Internet of Things Part II: diffusion of information technology and disaster management; adoption of mobile and platform-based applications; smart cities and digital government; social media; and diffusion of information technology and systems
International Workshops, S3E, HWTS, Doctoral Colloquium, Held in Conjunction with GPC 2011, Oulu, Finland, May 11-13, 2011. Revised Selected Papers Springer

Chairmaking is widely considered to be the pinnacle of the woodworker's art. Mysterious. Intimidating" Impossible. The reality is that chairmaking is fulfilling, rewarding, and fun.

A Workshop for Organisations Seeking to Invent, Introduce and Replicate Smart Practices, Held on 29 October, 1997 Pearson UK

With emerging trends such as the Internet of Things, sensors and actuators are now deployed and connected everywhere to gather information and solve problems, and such systems are expected to be trustworthy, dependable and reliable under all circumstances. But developing intelligent environments which have a degree of common sense is proving to be exceedingly complicated, and we are probably still more than a decade away from sophisticated networked systems which exhibit human-like thought and intelligent behavior. This book presents the proceedings of four workshops and symposia: the 4th International Workshop on Smart Offices and Other Workplaces (SOOW'15); the 4th International Workshop on the Reliability of Intelligent Environments (WoRIE'15); the Symposium on Future Intelligent Educational Environments and Learning 2015 (SOFIEE'15); and the 1st Immersive Learning Research Network Conference (iLRN'15). These formed part of the 11th International Conference on Intelligent Environments, held in Prague, Czech Republic, in July 2015, which focused on the development of advanced, reliable intelligent environments, as well as newly emerging and rapidly evolving topics. This overview of and insight into the latest developments of active researchers in the field will be of interest to all those who follow developments in the world of intelligent environments.

IFIP WG 8.6 International Conference on Transfer and Diffusion of IT, TDIT 2020, Tiruchirappalli, India, December 18-19, 2020, Proceedings, Part II Springer Nature

High profile thought experiment asks leading scholars to make cases for spending additional aid money to combat major world problems.

Smart Home Technologies and Services for Geriatric Rehabilitation Springer

This book constitutes the carefully refereed post-conference proceedings of two International Workshops: Self-Managing Solutions for Smart Environments, S3E 2011; and the workshop on Health and Well-being Technologies and Services for Elderly, HWTS 2011; as well as a Doctoral Colloquium, held in conjunction with, GPC 2011, in Oulu, Finland, in May 2011. The 19 revised full papers presented together with 1 keynote lecture were carefully revised and selected from 26 submissions and focus on the topics self-managing solutions for smart environments; health and well-being technologies, and services for elderly. The topics of the doctoral colloquium papers had a wide scope and they represented different viewpoints and sub-disciplines inside the ICT field.