Smart Workshop Solutions | 495b91357946c4e5df95cc4533a01e2

Service-Oriented Computing – ICSOC 2015 Workshops
Communication Challenges and Solutions in the Smart Grid and Pervasive Computing
Workshops
Smart Workshop Solutions
Woodworking for the Home
Knowledge Management and Acquisition for Smart Systems and Services
Big Data Science and Analytics for Smart Sustainable Urbanism
Smart Grid Security
Smart Devices, Convergence and Next Generation Networking

Smart Grid as a Solution for Renewable and Efficient Energy Grid and Pervasive Computing
Workshops
Chairmaking and Design Open Source Geospatial Science for Urban Studies
Proceedings of the Workshop on Cloud Continuum Services for Smart IoT Systems
Smart and Sustainable Planning for Cities and Regions
Smart Grid Security
Ultimate Workshop Solutions
Knowledge Management and Acquisition for Smart Systems and Services
Agent Technology for Intelligent Mobile Services and Smart Societies
Intelligent Environments 2019
Enterprise Interoperability Security

Solutions and Applied Cryptography
in Smart Grid Communications
Intelligent and Fuzzy Techniques:
Smart and Innovative
Solutions
Workshop Proceedings of the 9th International Conference on Intelligent Environments
Children’s Furniture Project
Towards the Future
Integration of Information Usage in Higher Education
Pervasive and Smart Technologies for Healthcare: Ubiquitous Methodologies and Tools
To Enabling Smart Healthcare Systems, Services and Applications
Training module - How to integrate gender issues in climate-smart agriculture projects
Ubiquitous Positioning and Mobile Location-Based Services in Smart Phones
Towards Smart Solutions for Information Usage in Higher Education
Understanding Smart Cities: A Tool for Smart Government or an Industrial Trick?
Workshop Proceedings of the 11th International Conference on Intelligent Environments
Enterprise Interoperability
Smart: Services and Business Impact of Enterprise Interoperability

Smart Cities and Artificial Intelligence
Reimagining Diffusion and Adoption of Information Technology and Systems: A Continuing Conversation
Environmental Software Systems
Fostering Information
Sharing
Smart Questions

Smart Questions Approach reveals how the leading creators of solutions in almost every profession and walk of life—including business, government, education, and even children—think and approach their assignments. The author's holistic thinking approach shows how to use three “foundation” questions—focusing on uniqueness, purpose, and information, and systems—which must be explored for every problem. These three questions, an essential starting point for exploring problems, in turn lead to other key questions that will ultimately create effective solutions.

Smart Workshop Solutions

With the rapid development of information technologies and the transition to next-generation networks, computer systems and in particular embedded systems are becoming more and more mobile and ubiquitous. They also strongly interact with the physical world. Ensuring the security of these complex and resource-constrained systems is a really challenging research topic. Therefore this Workshop in Information Security Theory and Practices was organized to bring together researchers and practitioners in related areas, and to encourage cooperation between the research and the industrial communities. This was the second edition of WISTP, after the 1st event in Heraklion, Greece, in 2007. This year again we had a significant number of high-quality submissions coming from many different countries. These submissions reflected the major topics of the conference, i.e., smart devices, convergence, and next-generation networks. Submissions were reviewed by at least three reviewers, in most cases by four, and at least by five for the papers involving Program Committee members. This long and rigorous process could be achieved thanks to the hard work of the Program Committee members and additional reviewers, listed in the following pages. This led to the selection of high-quality papers that made up the workshop program and are published in these proceedings. A number of posters and short papers were also selected for presentation at the conference. The process was very selective and we would like to thank all those authors who submitted contributions that could not be selected.

Woodworking for the Home

This book constitutes the thoroughly refereed post-conference proceedings of the Second International Workshop on Smart Grid Security, SmartGridSec 2014, held in Munich, Germany, in February 2014. The volume contains twelve corrected and extended papers presented at the workshop which have undergone two rounds of reviewing and improvement. The engineering, deployment and operation of the future Smart Grid will be an enormous project that will require the active participation of many stakeholders with different interests and views regarding the security and privacy goals, technologies, and solutions. There is an increasing need for workshops that bring together researchers from different communities, from academia and industry, to discuss open research topics in the area of future Smart Grid security.

Electrical energy usage is increasing every year due to population growth and new forms of consumption. As such, it is increasingly imperative to research methods of energy control and safe use. Security Solutions and Applied Cryptography in Smart Grid Communications is a pivotal reference source for the latest research on the development of smart grid technology and best practices of utilization. Featuring extensive coverage across a range of relevant perspectives and topics, such as threat detection, authentication, and intrusion detection, this book is ideally designed for academics, researchers, engineers and students seeking current research on ways in which to implement smart grid platforms all over the globe.

Knowledge Management and Acquisition for Smart Systems and Services

Big Data Science and Analytics for Smart Sustainable Urbanism

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.

Smart Grid Security

The purpose of the training module is to provide learners with a better understanding of what the gender roles in CSA are and their critical impact on project outcomes and sustainability. The training will teach them about different methods and tools to identify, formulate, implement, monitor and evaluate gender-responsive actions and practices in CSA actions and practices projects. Through the training, learners will become familiar with the main concepts of gender, climate change and climate-smart agriculture. They will also understand the relevance of gender dimensions in climate change adaptation and mitigation and in developing gender-responsive CSA interventions. Furthermore, they will learn the steps to take and tools and approaches available for conducting gender analysis and promoting gender mainstreaming in CSA project design, implementation and monitoring. The manual also presents available gender, climate change and CSA guidelines and other relevant materials to support learners in their work in implementing gender-responsive interventions. This training module provides basic information for organizing a short training workshop to develop gender mainstreaming capacities in CSA-related projects, throughout the whole project cycle. The module mainly focuses on activities in the field. It is important to recognize, however, that gender-responsive CSA development also requires actions at the institutional and policy level as well as changes in the existing social and cultural norms. The module also provides some recommendations for better integration of gender issues in governments’ CSA policies and strategies.

Information Security Theory and Practices. Smart Devices, Convergence and Next Generation Networks

Smart Grid as a Solution for Renewable and Efficient Energy

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.

Grid and Pervasive Computing Workshops

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.

Chairmaking and Design

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 Workspaces (SOOW15); the 4th International Workshop on the Reliability of Intelligent Environments (WoRfIE15); the Symposium on Future Intelligent Educational Environments and Learning 2015 (SOFIEE15); and the 1st immersive Learning Network Conference (iLRN15). 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.

Open Source Geospatial Science for Urban Studies

This book investigates the role of smart cities in the broader context of urban innovation and e-government, identifies what a smart city is in practice and highlights their importance to the welfare of society. The book offers specific, measurable, and action-oriented public sector planning and management principles and ideas for smart governance in the era of global urbanization and innovation to help with the challenges in maintaining the democratic system of checks and balances as well as the division of powers in a highly interconnected world. The book will be of interest researchers, practitioners, students, and public sector IT professionals that work within innovation management, public administration, urban technologies and urban innovation, and public local
Proceedings of the Workshop on Cloud Continuum Services for Smart IoT Systems

Building furniture for a child is a special pleasure for a woodworker. And, because children need safe and durable furniture sized to their needs, building for them presents special challenges too. The projects in this book are designed to delight parents & children alike: • Cradle • Crib • Bed • Panel Bed • Table • Rocker • • Marble Chair • Rocking Dinosaur • Toy Chest • * Many of the projects feature knockdown construction, which makes the pieces easy to store once they are outgrown. * Projects range from infants’ to teenagers' - each looks as smart as any shop-bought item. * Mix of traditional and contemporary designs provide accessible and tasteful projects for a childhood's worth of furniture that will be treated and passed on to future generations. * Safety advice on child-safe construction and non-toxic finishes.

Smart and Sustainable Planning for Cities and Regions

Many smart phone users reap the benefits of location-based services. While tracking users' positions using their smart phone is an issue of concern for some, others who use Foursquare or rely on their Android GPS view location-based services as a necessity. Ubiquitous Positioning and Mobile Location-Based Services in Smart Phones explores new research in smart phones with an emphasis on positioning solutions in smart phones, smart phone-based navigation applications, mobile geographical information systems, and related standards.

Smart Grid Security

Ultimate Workshop Solutions

A Place to Relax and Create A woodworker's workshop is many things: a place to relax; a place to escape; and a place to create. Not all the creation results in a finished piece of furniture, though. Often, the creative urge turns to improving the shop or the accuracy of the way you work while you’re in it. That's what Ultimate Workshop Solutions delivers. From better clamp storage, to the perfect miter saw stand to benches and beyond, you'll find 35 projects specifically designed to improve and organize your favorite space. These projects have been created by the editors of Popular Woodworking Magazine for our shop, and now we're pleased to share them with you. We hope many of them will soon make your shop a better place to relax and create. Projects inside include: Power tool and hand tool workbenches Lumber racks The ultimate miter saw stand Storage projects One-weekend router table Router jigs and fixtures Table saw outfitter tables And more!

Knowledge Management and Acquisition for Smart Systems and Services

A presentation of twenty-two easy-to-build furnishings--such as shelves, bookcases, and chests in a variety of styles--for beginner to advanced woodworkers includes sidebars, photographs, and drawings to walk readers through the projects. Original. 10,000 first printing.

Agent Technology for Intelligent Mobile Services and Smart Societies

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

Intelligent Environments 2019

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 Assembly, 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 Blid Declaration “Towards a European approach to the Future Internet” was officially presented at the FIA Conference in Blid, 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, must assert the urgent necessity to redesign the Internet, taking a broad multidisciplinary approach, to meet Europe’s societal and commercial ambitions.”

Enterprise Interoperability

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.

Security Solutions and Applied Cryptography in Smart Grid Communications

Intelligent and Fuzzy Techniques: Smart and Innovative Solutions

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 E-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.
Workshop Proceedings of the 9th International Conference on Intelligent Environments

This book constitutes the refereed proceedings of the 10th IFIP WG 5.11 International Symposium on Environmental Software Systems, ISESS 2013, held in Neusseld am See, Austria, in June 2013. The 65 revised full papers presented were carefully reviewed and selected from numerous submissions. The papers are organized in the following topical sections: environmental application in the scope of the future Internet; smart and mobile devices used for environmental applications; information tools for global environmental assessment; environmental applications in risk and crises management; SEIS as a part of the 7th environment action programme of EU; human interaction and human factors driving future EINEEDSS developments; environmental management/accounting and -statistics; and information systems and applications.

Children’s Furniture Projects

With the help of the detailed drawings and step-by-step instructions and photon, 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.

Towards the Future Internet

We are living at the dawn of what has been termed 'the fourth paradigm of science,' a scientific revolution that is marked by both the emergence of big data science and analytics, and by the increasing adoption of the underlying technologies in scientific and scholarly research practices. Everything about science development or knowledge production is fundamentally changing thanks to the ever-increasing deluge of data. This is the primary fuel of the new age, which powerful computational process or analytics algorithms are using to generate valuable knowledge for enhanced decision-making, and deep insights pertaining to a wide variety of practical uses and applications. This book addresses the complex interplay of the scientific, technological, and social dimensions of the city, and what it entails in terms of the systemic implications for smart sustainable urbanism. In concrete terms, it explores the interdisciplinary and transdisciplinary field of smart sustainable urbanism and the unprecedented paradigmatic shifts and practical advances it is undergoing in light of big data science and analytics. This new era of science and technology embodies an unprecedentedly transformative and constitutive power—manifested not only in the form of revolutionizing science and transforming knowledge, but also in advancing social practices, producing new discourses, catalyzing major shifts, and fostering societal transitions. Of particular relevance, it is instigating a massive change in the way both smart cities and sustainable cities are studied and understood, and in how they are planned, designed, operated, managed, and governed in the face of urbanization. This relates to what has been dubbed data-driven smart sustainable urbanism, an emerging approach based on a computational understanding of city systems and processes that reduces urban life to logical and algorithmic rules and procedures, while also harnessing urban big data to provide a more holistic and integrated view or synergetic intelligence of the city. This is increasingly being directed towards improving, advancing, and maintaining the contribution of both sustainable cities and smart cities to the goals of sustainable development. This timely and multifaceted book is aimed at a broad readership. As such, it will appeal to urban scientists, data scientists, urbanists, planners, engineers, designers, policymakers, philosophers of science, and futurists, as well as all readers interested in an overview of the pivotal role of big data science and analytics in advancing every academic discipline and social practice concerned with data-intensive science and its application, particularly in relation to sustainability.

Towards Smart Solutions for Information Usage in Higher Education

This book offers a selection of research papers and case studies presented at the 3rd international conference “Smart and Sustainable Planning for Cities and Regions”, held in December 2019 in Bolzano, Italy, and explores the concept of smart and sustainable planning, including tips from academics, policy makers, consultants and other professionals. Innovation processes such as co-design and co-creation help establish collaborations that engage with stakeholders in a trustworthy and transparent environment while answering the need for new value propositions. The importance of an integrated, holistic approach is widely recognized to break down silos in local government, in particular, when aimed at achieving a better integration of climate-energy planning. Despite the ongoing urbanization and polarization processes, new synergies between urban and rural areas emerge, linking development opportunities to intrinsic cultural, natural and man-made landscape values. The increasing availability of big, real-time urban data and advanced ICT facilitates frequent assessment and continuous monitoring of performances, while allowing fine-tuning as needed. This is valid not only for individual projects but also on a wider scale. In addition, and circling back to the first point, (big) urban data and ICT can be of enormous help in facilitating engagement and co-creation by raising awareness and by providing insight into the local consequences of specific plans. However, this potential is not yet fully exploited in standard processes and procedures, which can therefore lack the agility and flexibility to keep up with the pulse of the city and dynamics of society. The book provides a multi-disciplinary outlook based on experience to orient the reader towards the giant of smart and sustainable planning, support the transposition of research into practice, scale up visionary approaches and design groundbreaking planning policies and tools.

Pervasive and Smart Technologies for Healthcare: Ubiquitous Methodologies and Tools

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

This book constitutes the proceedings of the 13th International Workshop on Knowledge Management and Acquisition for Intelligent Systems, PKAW 2014, held in Gold Cost, Qld, Australia, in December 2014. The 18 full papers and 4 short papers included in this volume were carefully reviewed and selected from 69 initial submissions. They deal with knowledge acquisition, expert systems, intelligent agents, ontology engineering, foundations of artificial intelligence, machine learning, data mining, Web mining, information systems, Web and other applications.

Training module - How to integrate gender issues in climate-smart agriculture projects

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 transactional 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.
Ubiquitous Positioning and Mobile Location-Based Services in Smart Phones

This book constitutes the revised selected papers of the 13th International Conference on Service-Oriented Computing, ICSOC 2015, held in Goa, India in November 2015. The conference hosted the following seven workshops: 11th International Workshop on Engineering Service-Oriented Applications, WESOA 2015; Second Workshop on Resource Management in Service-Oriented Computing, RMSC 2015; Workshop on Intelligent Service Clouds, ISC 2015; Second Workshop on Intelligent Service Clouds; First International Workshop on Dependability Issues in Service Computing, DISCO 2015; Workshop on Engineering for Service-oriented Enterprises, WSE 2015; First International Workshop on Big Data Services and Computational Intelligence, BSCI 2015 (joined with ISC 2015); and Second International Workshop on Formal Modeling and Verification of Service-based systems, FOR-MOVES 2015. The 22 full papers included in this volume were carefully reviewed and selected from 45 submissions.

Towards Smart Solutions for Information Usage in Higher Education

This book is mainly focused on two themes: transportation and smart city applications. Open geospatial science and technology is an increasingly important paradigm that offers the opportunity to promote the democratization of geospatial information, the transparency of governments and institutions, as well as social, economic and urban opportunities. During the past decade, developments in the area of open geospatial data have greatly increased. The open source GIS research community believes that combining free and open software, open data, as well as open standards, leads to the creation of a sustainable ecosystem for accelerating new discoveries to help solve global cross-disciplinary urban challenges. The vision of this book is to enrich the existing literature on this topic, and act one step towards more sustainable cities through employment of open source GIS solutions that are reproducible. Various contributions are provided and practically implemented in several urban use cases. Therefore, apart from researchers, lecturers and students in the geography/urbanism domain, crowdsourcing and VGI domain, as well as open source GIS domain, it is believed the specialists and mentors in municipalities and urban planning departments as well as professionals in private companies would be interested to read this book.

Understanding Smart Cities: A Tool for Smart Government or an Industrial Trick?

As the need for proficient resource powers continues to grow, it is becoming increasingly important to implement new strategies and technologies in energy distribution to meet consumption needs. The employment of smart grid networks assists in the efficient allocation of energy resources. Smart Grid as a Solution for Renewable and Efficient Energy features emergent research and trends in energy consumption and management, as well as communication techniques utilized to monitor power transmission and usage. Emphasizing developments and challenges occurring in the field, this book is a critical resource for researchers and students concerned with signal processing, power demand management, energy storage procedures, and control techniques within smart grid networks.

Workshop Proceedings of the 11th International Conference on Intelligent Environments

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, AVICE 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; geofencing-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.

Enterprise Interoperability: Smart Services and Business Impact of Enterprise Interoperability

“...This book reports several experiences concerning the application of pervasive computing technologies, methodologies and tools in healthcare...”–Provided by publisher.

Smart Cities and Artificial Intelligence

Intelligent Environments (IEs) aim to empower users by enriching their experience, raising their awareness and enhancing their management of their surroundings. The term IE is used to describe the physical spaces where ICT and pervasive technologies are used to achieve specific objectives for the user and/or the environment. The growing IE community, from academia to practitioners, is working on the materialization of IEs driven by the latest technological developments and innovative ideas. This book reports the proceedings of the workshop held in conjunction with the 15th International Conference on Intelligent Environments (IE’19), Rabat, Morocco, 24 – 27 June 2019. The conference focused on the development of advanced intelligent environments, as well as newly emerging and rapidly evolving topics. The workshops included here emphasize multi-disciplinary and transversal aspects of IEs, as well as cutting-edge topics: the 8th International Workshop on the Reliability of Intelligent Environments (WORIE’19); 9th International Workshop on Intelligent Environments Supporting Healthcare and Well-being (WHISWE’19); 5th Symposium on Future Intelligent Educational Environments and Learning (SFIEEE’19); 3rd International Workshop on Intelligent Environments for Agriculture Production and Environmental Protection (IAPPEP’19); 3rd International Workshop on Legal Issues in Intelligent Environments (LIE’19); 1st International Workshop on Intelligent Environments and Buildings (IE’19); 3rd International Workshop on Citizen-Centric Smart Cities Services (CCSCS’19); and the 4th International Workshop on Smart Sensing Systems (IWSSS’19). The book will be of interest to all those whose work involves the design or application of intelligent environments.

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

This book constitutes the carefully refereed post-conference proceedings of two International Workshops: Self-Managing Solutions for Smart Environments, SSE 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.

Environmental Software Systems. Fostering Information Sharing

Enterprises and organizations of any kind embedded in today’s economic environment are deeply dependent on their ability to take part in collaborations. Consequently, it is strongly required for them to get actively involved for their own benefit in emerging, potentially opportunistic collaborative enterprise networks. The concept of “interoperability” has been defined by INTEROP-VLab as “The ability of an enterprise system or application to interact with others at a low cost in a flexible approach”. Consequently, interoperability of organizations appears as a major issue to succeed in building on the fly emerging enterprise networks. The International Conference on Interoperability for Enterprise Systems and Applications (I-ESA) 2014 was held under the motto “interoperability for agility, resilience and plasticity of collaborations” on March 26-28, 2014 and organized by the Ecole des Mines d’Albi-Carmaux, France on behalf of the European Laboratory for Enterprise Interoperability (INTEROP-VLab). On March 24-25, co-located with the conference eight workshops and one doctoral
symposium were held in four tracks complementing the program of the I-ESA’14 conference. The workshops and the doctoral symposium address areas of
greatest current activity focusing on active discussions among the leading researchers in the area of Enterprise Interoperability. This part of the conference helps
the community to operate effectively, building co-operative and supportive international links as well as providing new knowledge of on-going research to
practitioners. The workshops and doctoral symposium aimed at exploiting new issues, challenges and solutions for Enterprise Interoperability (EI) and associated
domains of innovation such as Smart Industry, Internet-Of-Things, Factories of the Future, EI Applications and Standardisation. These proceedings include the
short papers from the I-ESA’14 workshops and the doctoral symposium. The book is split up into 9 sections, one for each workshop and one for the doctoral
symposium. All sections were organized following four tracks: (1) EI and Future Internet / Factory of the Future; (2) EI Application Domains and IT; (3) EI
Standards; (4) EI Doctoral Symposium. For each section, a workshop report is provided summarizing the content and the issues discussed during the sessions. The
goal of the first track was to offer a discussion opportunity on interoperability issues regarding the use of Internet of Things on manufacturing environment
(Workshops 1 and 3) on one hand, and regarding the potential of innovation derived from the use of digital methods, architectures and services such as Smart
Networks (Workshops 2 and 4) on the other hand. The second track focused on particular application domains that are looking for innovative solutions to
support their strong collaborative needs. Thus, the track developed one workshop on the use of EI solution for Future City-Logistics (Workshop 5) and one on the
use of EI solutions for Crisis / Disaster Management (Workshop 6). The third track studied the recent developments in EI standardization. Two workshops were
dedicated to this issue. The first one has proposed to focus on the management of standardization (Workshop 8) and the second one has chosen to work on the
new knowledge on standardization developments in the manufacturing service domain (Workshop 9). The last track, the doctoral symposium presented research
results from selected dissertations. The session discussed EI knowledge issues, notably in terms of gathering through social networks or Internet of Things and of
exploitation through innovative decision support systems.

Smart Questions

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.