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ICT Framework Solutions Year 7

Learn all about the major trends and future advancements in ICT! ICT Futures provides an insightful introduction to the major technology trends in Information and Communication Technologies (ICT), and to the economic, commercial and societal environment which is shaping them. The experienced author-team, consisting of experts from both industry and academia, addresses: The interaction between people and technology - how ICT affects every day social practices; the rise of social computing; how the way we interact with information and the devices we use are changing; and how trust can be assured over the Internet. The underlying ICT infrastructure - the semantic web and the semantic intranet; the real-time service-oriented infrastructure; the future optical network; self-managing networks and agents; P2P technologies; pervasiveness; mobility and wireless technology; and how all this infrastructure can be made secure. ICT technology and how it is affecting industries as diverse as health, finance, retail and law. The book covers a vast wealth of material, with a strong focus upon the impending changes to the way ICT operates. This reference is a valuable tool for people in managerial roles, CIOs, CTOs, business and technology strategists, and students undertaking technology MBAs, or technology modules in general MBAs. Professionals working in ICT will also find this book valuable.

ICT Futures

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 presents the proceedings of the workshops 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 (WISHWell'19); 5th Symposium on Future Intelligent Educational Environments and Learning (SOFIEE'19); 3rd International Workshop on Intelligent Systems for Agriculture Production and Environment Protection (ISAPEP'19); 3rd International Workshop on Legal Issues in Intelligent Environments (LIIE'19); 1st International Workshop on Intelligent Environments and Buildings (IEB'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.

Intelligent Environments 2019

This book constitutes refereed proceedings of the Workshops of the 16th European Dependable Computing Conference, EDCC: 1st Workshop on Artificial Intelligence for Railways, AI4RAILS 2020, 1st Workshop on Dynamic Risk Management for Autonomous Systems, DREAMS 2020, 2nd Workshop on Dependable Solutions for Intelligent Electricity Distribution Grids, DSOGR1 2020, 12th Workshop on Software Engineering for Resilient Systems, SERENE 2020, held in September 2020. Due to the COVID-19 pandemic the workshops were held virtually. The 12 full papers and 4 short papers were thoroughly reviewed and selected from 35 submissions. The workshop papers complement the main conference topics by addressing dependability or security issues in specific application domains or by focussing in specialized topics, such as system resilience.

Dependable Computing - EDCC 2020 Workshops

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

The 2012 National Research Council report Continuing Innovation in Information Technology illustrates how fundamental research in information technology (IT), conducted at industry and universities, has led to the introduction of entirely new product categories that ultimately became billion-dollar industries. The central graphic from that report portrays and connects areas of major investment in basic research, university-based research, and industry research and development; the introduction of important commercial products resulting from this research; billion-dollar-plus industries stemming from it; and present-day IT market segments and representative U.S. firms whose creation was stimulated by the decades-long research. At a workshop hosted by the Computer Science and Telecommunications Board on March 5, 2015, leading academic and industry researchers and industrial technologists described key research and development results and their contributions and connections to new IT products and industries, and illustrated these developments as overlays to the 2012 "tire tracks" graphic. The principal goal of the workshop was to collect and make available to policy makers and members of the IT community first-person narratives that illustrate the link between government investments in academic and industry research to the ultimate creation of new IT industries. This report provides summaries of the workshop presentations organized into five broad themes - (1) fueling the innovation pipeline, (2) building a connected world, (3) advancing the hardware foundation, (4) developing smart machines, and (5) people and computers - and ends with a summary of remarks from the concluding panel discussion.

Continuing Innovation in Information Technology

This book constitutes refereed proceedings of the Workshops of the 17th European Dependable Computing Conference, EDCC: Second Workshop on Dynamic Risk Management for Autonomous Systems, DREAMS 2021, Third Workshop on Dependable Solutions for Intelligent Electricity Distribution Grids, DSOGR1 2021, 13th Workshop on Software Engineering for Resilient Systems, SERENE 2021, held in September 2021. Due to the COVID-19 pandemic the workshops were held virtually.

The 14 workshop papers presented were thoroughly reviewed and selected from 22 submissions. The workshop papers complement the main conference topics by addressing dependability or security issues in specific application domains or by focussing in specialized topics, such as system resilience.

Dependable Computing - EDCC 2021 Workshops

This book reports on a novel and comprehensive approach to the uptake of ICT in Schools. It focuses on key questions, pedagogically sound ways of introducing ICT, new technical artifacts supporting the approach, the evaluation in a large-scale validator, and future work. While many innovations in Technology Enhanced Learning (TEL) have emerged over the last two decades, the uptake of these innovations has not always been very successful, particularly in schools. The transition from proof of concept to integration into learning activities has been recognized as a bottleneck for quite some time. This major problem, which is affecting many TEL stakeholders, is the focus of this book which focuses on developing a more effective and efficient approach based on more than 2500 pilots in European classrooms. Teachers, head teachers, and policy makers may benefit from reading how novel learning scenarios can be elaborated, adapted to a local context, and implemented in the classroom; how new technologies can support this process for teachers and their national/regional communities; how teachers and other stakeholders can be educated in such a re-engineering process; how the approach can be scaled up through MOOCs, ambassador schemes, and train-the-trainer programs; how future classroom labs can inspire teachers, head teachers, and policy makers; how teachers and, above all, learners can become more engaged in learning through the adoption of the iTEC approach. Readers with a more technical focus may also be interested in the discussion of recommender systems, the flexible provision of resources and services, the deployment of the cloud in schools, and systems for composing technological support for lesson plans.

Re-engineering the Uptake of ICT in Schools

Information and communication technologies can provide new paradigms in healthcare provision. In particular, new Pervasive Healthcare technologies can revolutionise the dynamics of healthcare, enabling people to remain at home for longer, at lower costs to health and welfare organisations. This book reveals how pervasive healthcare technologies can be designed in conjunction with users and carers, as well as exploring the application of novel methods and technologies.

Supporting People with Dementia Using Pervasive Health Technologies

This tool kit comprises information on how to create a shared vision for digital health through a national strategy, focused on maximizing the value of resources. It supports efforts to introduce digital health solutions that make systems interoperable and less fragmented, and thus provide equitable access to health care services and offer every patient continuity of care. This tool kit provides a practical framework for structuring digital health road maps, a guide to running a digital health convergence workshop, and insights from previous country convergence workshops.

Digital Health Convergence Meeting Tool Kit

Focusing on technical, policy and social/societal practices and innovations for electrified transport for personal, public and freight purposes, this book provides a state-of-the-art overview of developments in e-mobility in Europe and the West Coast of the USA. It serves as a learning base for further implementing and commercially developing this field for the benefit of society, the environment and public health, as well as for economic development and private industry. A fast-growing, interdisciplinary sector, electric mobility links engineering, infrastructure, environment, transport and sustainable development. But despite the relevance of the topic, few publications have ever attempted to document or promote the wide range of electric mobility initiatives and projects taking place today. Addressing this need, this publication consists of case studies, reports on technological developments and examples of successful infrastructure installation in cities, which document current initiatives and serve as an inspiration for others.

E-Mobility in Europe

The dot-com revolution has brought many advances before unimagined. Of them all, it may be said that none have surpassed e-government in attracting a significant number of researchers and practitioners from around the world. However, the question remains whether everyone is ready to join

the e-government movement, or if some are just blindly following the latest trend. Digital Solutions for Contemporary Democracy and Government touches on several key issues and challenges surrounding the recent e-government boom and offers practical solutions from those who have been a part of implementing e-government programs internationally. Due to its breadth of discussion on a variety of topics relating to the intersection of technology with politics, democracy, and government, this authoritative book is a valuable reference source for professionals, researchers, and students in the field of e-government, information management, or knowledge management.

Digital Solutions for Contemporary Democracy and Government

Exploring the impact of the rise of digital media over the last few decades, this timely Handbook highlights the major role it plays in preserving and protecting heritage as well as its ability to promote and support sustainable tourism at heritage sites. Particularly relevant at this time due to the diffusion of smartphones and use of social media, chapters look at the experience and expectation of being 'always on', and how this interacts with heritage and tourism.

Handbook on Heritage, Sustainable Tourism and Digital Media

Electronic media and ICT have become indispensable in the fields of public governance, policy-making and public service provision. E-government research demonstrates its relevance to practice, influencing and shaping government strategies and implementations. The way in which technology can enable and enhance public participation in government is of particular importance. This book presents the proceedings of the ongoing research of the IFIP EGOV and ePart conferences, jointly held at Trinity College Dublin, Ireland, in September 2014. Included are 24 ongoing research papers, case studies and posters from the EGOV conference, grouped into the sections: stakeholders and participation; open data and interoperability; ICT-enabled policy-making; services; design, architecture and processes; and evaluation and public values. From the ePart conference, 5 ongoing research papers are included. The book also includes workshops from both conferences. IFIP EGOV and ePart bring together the scientific research community in e-government from all over the world, and this book will be of interest to all those involved in public governance and service provision.

Electronic Government and Electronic Participation

Digital as well as other technical and institutional innovations underpin the success of agriculture in developing countries in Africa, the Caribbean and the Pacific (ACP). Such innovations are encouraging a new generation of young 'agripreneurs' to tackle agri-food challenges, explore ways to build resilience to climate change, and improve the incomes and livelihoods of people in agriculture. This issue of ICT Update brings together selected experiences of agricultural practitioners working close to the 'front line', bringing innovation and next-generation ideas to agriculture for development projects, and helping them reach, benefit and empower smallholder producers, leading to sustainable change.

ICT Update 91: Next-generation ACP agriculture – innovations that work

Recoge: 1. Executive summary - 2. Introduction - 3. Industry need for ICT skills and practitioners - 4. ICT curriculum development guidelines and new European training solutions - 5. Cooperation in Initial VET and continuing training at European level - 6. Conclusions and recommended actions.

ICT Practitioner Skills and Training Solutions at Sub-degree and Vocational Level in Europe

This two-volume set LNCS 4277/4278 constitutes the refereed proceedings of 14 international workshops held as part of OTM 2006 in Montpellier, France in October/November 2006. The 191 revised full papers presented were carefully reviewed and selected from a total of 493 submissions to the workshops. The first volume begins with 26 additional revised short or poster papers of the OTM 2006 main conferences.

On the Move to Meaningful Internet Systems 2006: OTM 2006 Workshops

It is predicted that by 2050, 22% of the world's population will be over 60 years of age. This rapid shift in demographics calls for the development of coherent and forward-looking policies to address the many challenges which will inevitably arise as a result. This book presents 33 articles from the workshop jointly organized by APEC and OECD held in Waseda University, Tokyo, Japan, in September 2012. At this workshop, a group of international experts described a wide range of important issues associated

with an aging population, and discussed how both governments and the private sector can best mobilize innovation and research to transform this global challenge into an opportunity for active and productive aging and new sources of sustainable growth. The authors call for a comprehensive approach to achieve policy coherence, as well as for strengthening public-private partnerships and promoting collaboration among multiple stakeholders and systems. The book is divided into six chapters, covering such subjects as lessons learnt from best practice, solutions for the aging society, policy initiatives, health innovation, smart communities and new services. Innovation will be necessary to meet the challenges and to mitigate the health, social and economic impacts of an aging population worldwide, as well as unlocking the potential of ICTs through increased research and new models. This book will be of interest to all those whose work involves the development of new services for older people in sectors such as health and nursing care, education and training, transportation, community development and smart cities, among others.

Aging Society and ICT

This proceedings of the International Congress and Workshop on Industrial AI 2021 encompasses and integrates the themes and topics of three conferences, eMaintenance, Condition Monitoring and Diagnostic Engineering management (COMADEM), and Advances in Reliability, Maintainability and Supportability (ARMS) into a single resource. The 21st century is witnessing the emerging extensive applications of Artificial Intelligence (AI) and Information Technologies (IT) in industry. Industrial Artificial Intelligence (IAI) integrates IT with Operational Technologies (OT) and Engineering Technologies (ET) to achieve operational excellence through enhanced analytics in operation and maintenance of industrial assets. This volume provides insight into opportunities and challenges caused by the implementation of AI in industries apart from future developments with special reference to operation and maintenance of industrial assets. Industry practitioners in the maintenance field as well as academics seeking applied research in maintenance will find this text useful.

International Congress and Workshop on Industrial AI 2021

This book constitutes the refereed proceedings of the 19th EUNICE/IFIP WG 6.2, 6.6 workshop on Advances in Communication Networking, EUNICE 2013, held in Chemnitz, Germany, in August 2013. The 23 oral papers demonstrated together with 9 poster presentations were carefully reviewed and selected from 40 submissions. The papers are organized in topical sections on network modeling and design, traffic analysis, network and traffic management, services over mobile networks, monitoring and measurement, security concepts, application of ICT in smart grid and smart home environments, data dissemination in ad-hoc and sensor networks, and services and applications.

Advances in Communication Networking

This book constitutes the refereed proceedings of seven International Workshops which were held in conjunction with the 27th European Symposium on Research in Computer Security, ESORICS 2022, held in hybrid mode, in Copenhagen, Denmark, during September 26-30, 2022. The 39 papers included in these proceedings stem from the following workshops: 8th Workshop on the Security of Industrial Control Systems and of Cyber-Physical Systems, CyberICPS 2022, which accepted 8 papers from 15 submissions; 6th International Workshop on Security and Privacy Requirements Engineering, SECPRE 2022, which accepted 2 papers from 5 submissions; Second Workshop on Security, Privacy, Organizations, and Systems Engineering, SPOSE 2022, which accepted 4 full papers out of 13 submissions; Third Cyber-Physical Security for Critical Infrastructures Protection, CPS4CIP 2022, which accepted 9 full and 1 short paper out of 19 submissions; Second International Workshop on Cyber Defence Technologies and Secure Communications at the Network Edge, CDT & SECOMANE 2022, which accepted 5 papers out of 8 submissions; First International Workshop on Election Infrastructure Security, EIS 2022, which accepted 5 papers out of 10 submissions; and First International Workshop on System Security Assurance, SecAssure 2022, which accepted 5 papers out of 10 submissions. Chapter(s) "Measuring the Adoption of TLS Encrypted Client Hello Extension and Its Forebear in the Wild" is/are available open access under a Creative Commons Attribution 4.0 International License via link.springer.com.

Computer Security. ESORICS 2022 International Workshops

This book constitutes revised papers from the International Workshops held at the 21st International Conference on Business Process Management, BPM 2023, in Utrecht, The Netherlands, during

September 2023. Papers from the following workshops are included:• 7th International Workshop on Artificial Intelligence for Business Process Management (AI4BPM 2023)• 7th International Workshop on Business Processes Meet Internet-of-Things (BP-Meet-IoT 2023)• 19th International Workshop on Business Process Intelligence (BPI 2023)• 16th International Workshop on Social and Human Aspects of Business Process Management (BPMS2 2023)• 2nd International Workshop on Data-Driven Business Process Optimization (BPO 2023)• 11th International Workshop on Declarative, Decision and Hybrid Approaches to Processes (DEC2H 2023)• 1st International Workshop on Digital Twins for Business Processes (DT4BP 2023)• 1st International Workshop on Formal Methods for Business Process Management (FM-BPM 2023) • 2nd International Workshop on Natural Language Processing for Business Process Management (NLP4BPM 2023)• 1st International Workshop on Object-Centric Processes from A to Z (OBJECTS 2023)• 3rd International Workshop on Change, Drift, and Dynamics of Organizational Processes (ProDy 2023) Each of the workshops focused on particular aspects of business process management. Overall, after a thorough review process, 42 full papers were selected from a total of 86 submissions.

Business Process Management Workshops

This book constitutes revised papers from the twelve International Workshops held at the 17th International Conference on Business Process Management, BPM 2019, in Vienna, Austria, in September 2019: The third International Workshop on Artificial Intelligence for Business Process Management (AI4BPM) The third International Workshop on Business Processes Meet Internet-of-Things (BP-Meet-IoT) The 15th International Workshop on Business Process Intelligence (BPI) The first International Workshop on Business Process Management in the era of Digital Innovation and Transformation (BPMInDIT) The 12th International Workshop on Social and Human Aspects of Business Process Management (BPMS2) The 7th International Workshop on Declarative, Decision and Hybrid approaches to processes (DEC2H) The second International Workshop on Methods for Interpretation of Industrial Event Logs (MIEL) The first International Workshop on Process Management in Digital Production (PM-DiPro) The second International Workshop on Process-Oriented Data Science for Healthcare (PODS4H) The fourth International Workshop on Process Querying (PQ) The second International Workshop on Security and Privacy-enhanced Business Process Management (SPBP) The first International Workshop on the Value and Quality of Enterprise Modelling (VEnMo) Each of the workshops discussed research still in progress and focused on aspects of business process management, either a particular technical aspect or a particular application domain. These proceedings present the work that was discussed during the workshops.

Business Process Management Workshops

"This work focuses on the situation in the banking and finance industry with particular reference to needs and job profiles in the ICT (information and communications technology) in Italy and France."--P. 9.

ICT Practitioner Skills and Training

Two oversimplified narratives have long dominated news reports and academic studies of China's Internet: one lauding its potentials to boost commerce, the other bemoaning state control and measures against the forces of political transformations. This bifurcation obscures the complexity of the dynamic forces operating on the Chinese Internet and the diversity of Internet-related phenomena. China and the Internet analyzes how Chinese activists, NGOs, and government offices have used the Internet to fight rural malnutrition, the digital divide, the COVID-19 pandemic, and other urgent problems affecting millions of people. It presents five theoretically informed case studies of how new media have been used in interventions for development and social change, including how activists battled against COVID-19. In addition, this book applies a Communication for Development approach to examine the use and impact of China's Internet. Although it is widely used internationally in Internet studies, Communication for Development has not been rigorously applied in studies of China's Internet. This approach offers a new perspective to examine the Internet and related phenomena in Chinese society.

China and the Internet

This volume constitutes the refereed proceedings of the Confederated International International Workshop on Enterprise Integration, Interoperability and Networking (EI2N) , Fact Based Modeling (FBM), Industry Case Studies Program (ICSP), International Workshop on Methods, Evaluation, Tools

and Applications for the Creation and Consumption of Structured Data for the e-Society (Meta4eS), and OnTheMove Academy (OTMA 2016), held as part of OTM 2016 in October 2016 in Rhodes, Greece. The 27 full papers presented together with 8 short papers were carefully reviewed and selected from 58 submissions. The OTM program every year covers data and Web semantics, distributed objects, Web services, databases, information systems, enterprise workflow and collaboration, ubiquity, interoperability, mobility, grid and high-performance computing.

On the Move to Meaningful Internet Systems: OTM 2016 Workshops

This publication contains a number of papers from an international workshop held in May 2005 which included representatives from governments, academia, NGOs and the private sector. The workshop was organised to consider options for increasing the availability of information and communication technology (ICT) infrastructure and services in Africa, including issues of technology development, regulatory frameworks and support for the necessary entrepreneurship required to build sustainable ICT networks in African countries.

Open Access for Africa

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.

Enterprise Interoperability

Women and youth-led agri-enterprises (WYE) (which may also be operating as family businesses) in agricultural value chains have been identified as catalysts for rural transformation given their potential

for creating employment and stimulating value addition both on and off-farm. Given that agriculture and food systems are likely to remain the key generators of employment in Ghana over the coming decades, and that 80% of all activities in the midstream of food value chain are undertaken by SMEs in Africa. It is very much necessary to generate the evidence to support the argument that family, women and youth-led agribusinesses have a key role to play in the rural transformation pathway underway in Ghana.

Involving women and youth in responsible investment in agriculture and food systems in Ghana

With a variety of emerging and innovative technologies combined with the active participation of the human element as the major connection between the end user and the digital realm, the pervasiveness of human-computer interfaces is at an all time high. *Emerging Research and Trends in Interactivity and the Human-Computer Interface* addresses the main issues of interest within the culture and design of interaction between humans and computers. By exploring the emerging aspects of design, development, and implementation of interfaces, this book will be beneficial for academics, HCI developers, HCI enterprise managers, and researchers interested in the progressive relationship of humans and technology.

Emerging Research and Trends in Interactivity and the Human-Computer Interface

This book contains the workshops papers presented at the 17th International Conference on Information and Communication Technologies in Education, Research, and Industrial Applications, ICTERI 2021, held in Kherson, Ukraine, in September-October 2021. The 33 revised full papers and 4 short papers included in this volume were carefully reviewed and selected from 105 initial submissions. The papers are organized according to the following workshops: 9th International Workshop on Information Technology in Economic Research (ITER 2021); 5th International Workshop on Methods, Resources and Technologies for Open Learning and Research (MROL 2021); International Workshop RMSEBT 2021: Rigorous Methods in Software Engineering and Blockchain Technologies; 7th International Workshop on Theory of Reliability and Markov Modeling for Information Technologies (TheRMIT 2021); 1st Ukrainian Natural Language Processing Workshop (UNLP 2021).

ICTERI 2021 Workshops

Since 1994, the European Conferences of Product and Process Modelling (www.ecppm.org) have provided a review of research, development and industrial implementation of product and process model technology in the Architecture, Engineering, Construction and Facilities Management (AEC/FM) industry. Product/Building Information Modelling has matured significantly in the last few years and has never been closer to having a permanent impact on the AEC/FM industry as a mainstream technology. In this context the 9th European Conference of Product and Process Modelling provided a forum for leading experts to discuss the latest achievements, emerging trends and future directions in product and process modelling technology in this dynamic and fragmented industry, focusing on integrated project working, value-based life cycle management and intelligent and sustainable buildings and construction. *eWork and eBusiness in Architecture, Engineering and Construction 2012* provides a comprehensive overview of topics including BIM in all life-cycle stages, ICT for energy efficiency, smart buildings and environmental performance, energy and building simulation, knowledge and semantic modelling, visualization technologies as well as tools and methods to support innovations in design and construction processes. It further includes the proceedings of the 3rd Workshop on eeBuildings Data Models (Energy Efficiency Vocabularies), which aim to identify ICT Energy Efficiency Vocabularies and Ontologies to foster interoperability of Energy Efficiency Management Systems. *eWork and eBusiness in Architecture, Engineering and Construction 2012* will be of interest to academics and professionals working in the interdisciplinary area of information technology in architecture, engineering and construction.

eWork and eBusiness in Architecture, Engineering and Construction

This book constitutes the refereed proceedings of the five workshops that were organized in conjunction with the International Conference on Business Information Systems, BIS 2015, which took place in Poznan, Poland, in June 2015. The 26 papers in this volume were carefully reviewed and selected from 56 submissions and were revised and extended after the event. The workshop topics covered knowledge-based business information systems (AKTB), business and IT alignment (BITA), trans-

parency-enhancing technologies and privacy dashboards (PTDCS), semantics usage in enterprises (FSFE), and issues related to DBpedia. In addition two keynote papers are included in this book.

Business Information Systems Workshops

The role of the International Council on Medical and Care Compunetics (ICMCC) with regards to patient-related ICT has become obvious with the start of the Record Access Portal. This work aims to come forward with a recommendation to the WHO on Record Access.

Medical and Care Compunetics 4

This book constitutes the refereed proceedings of the 6th IFIP/IEEE International Conference on the Management of Multimedia Networks and Services, MMNS 2003, held in Belfast, Northern Ireland in September 2003. The 39 revised full papers presented were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections on stream control and management, management and control of multicast communications, ad-hoc and sensor networks, QoS and mobility management in wireless networks, traffic engineering and routing, differentiated network services, on-demand networking issues and policies, multimedia QoS management, security management, and (corresponding to an associated workshop) end-to-end monitoring techniques and services.

Management of Multimedia Networks and Services

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 book discusses issues regarding conceptualization, governance and implementation of responsible innovation. It treats different approaches to making responsible innovation a reality and it contains new case studies that illustrate challenges and solutions. Research on Responsible Innovation is by its nature highly multidisciplinary, and also pro-active, design-oriented and policy-relevant. Until a few years back, the concept of Responsible Innovation was hardly used - nowadays it is increasingly receiving attention from both researchers and policy makers. This is indispensable reading for anyone interested in or working on innovation.

Responsible Innovation 2

Advances in the engineering of sensing and acting capabilities distributed in wide range of specialized devices is providing at last an opportunity for the fundamental advances that computer science achieved in the past few decades to make an impact in our daily lives. This technical confluence is matched by a unique historical context where users are better informed (more aware of the benefits that technology can provide) and production of more complex systems is becoming more affordable. Sensors/actuators deployed in an environment (in this context it can be any physical space like a house, office, classroom, car, street, etc.) facilitate a link between an automated decision-making system connected to that technologically enriched space. This computing empowered environment enables the provision of an intelligent environment, i.e., "a digital environment that proactively, but sensibly, supports people in their daily lives". This is an active area of research which is attracting an increasing number of professionals (in academia and industry) worldwide. The prestigious 5th International Conference on Intelligent Environments (IE'09) is focused on the development of advanced intelligent environments and stimulates the discussion on several specific topics which are crucial to the future of the area. As part of that five workshops were supported as part of IE'09. This volume is the combined proceedings of those five workshops: Workshop on Digital Object Memories (DOMe'09), Workshop on RFID Technology: concepts, practices & solutions (RFID'09), Workshop on Artificial Intelligence

Techniques for Ambient Intelligence (AITAmI'09), Workshop on Ethical Design of Ambient Intelligence (EDAmI'09), Workshop on Smart Offices and Other Workplaces (SOOW'09).

Workshops Proceedings of the 5th International Conference on Intelligent Environments

Individuals with disabilities often have difficulty accomplishing tasks, living independently, and utilizing information technologies; simple aspects of daily life taken for granted by non-disabled individuals. Assistive Technologies: Concepts, Methodologies, Tools, and Applications presents a comprehensive collection of research, developments, and knowledge on technologies that enable disabled individuals to function effectively and accomplish otherwise impossible tasks. These volumes serve as a crucial reference source for experts in fields as diverse as healthcare, information science, education, engineering, and human-computer interaction, with applications bridging multiple disciplines.

Assistive Technologies: Concepts, Methodologies, Tools, and Applications

Creating successful ICT-services : practical guidelines based on the STOF method