

## Converge Ict Solutions

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Telecommunications and Networking — ICT 2004 OECD Publishing  
The two-volume set LNICST 150 and 151 constitutes the thoroughly refereed post-conference proceedings of the First International Internet of Things Summit, IoT360 2014, held in Rome, Italy, in October 2014. This volume contains 74 full papers carefully reviewed and selected from 118 submissions at the following four conferences: the First International Conference on Cognitive Internet of Things Technologies, COIOTE 2014; the First International Conference on Pervasive Games, PERGAMES 2014; the First International Conference on IoT Technologies for HealthCare, HealthyIoT 2014; and the First International Conference on IoT as a Service, IoTaaS 2014. The papers cover the following topics: user-centric IoT; artificial intelligence techniques for the IoT; the design and deployment of pervasive games for various sectors, such as health and wellbeing, ambient assisted living, smart cities and societies, education, cultural heritage, and tourism; delivery of electronic healthcare; patient care and medical data management; smart objects; networking considerations for IoT; platforms for IoTaaS; adapting to the IoT environment; modeling IoTaaS; machine to machine support in IoT. IEEE International Engineering Management Conference IOS Press

Housing in Korea has been part of the government policy development agenda for the past three decades contributing to reducing the historical housing shortage and improving the quality of dwellings. Despite its achievements, Korea now faces a housing affordability challenge as prices are too ...

### **Handbook of Research on New Literacies**

Springer Nature

Nursing and Informatics for the 21st Century is the follow-up to the highly successful, award-winning first edition. Published in 2006, the first edition was a critical resource in chronicling the huge historical shift in nursing linked to the explosion of EHR national strategies and health policies around the globe.

This updated edition, co-published by AMIA, examines the revolution that has occurred in nursing and explores the role IT is playing in this transformation, with a thoughtful examination of nursing practice, science and research, and education across the globe. With nearly 50 case studies written by nursing's leading innovators and recognized leaders across specific segments of the healthcare industry and the globe, the book presents a "snapshot" of nursing and IT adoption worldwide. The book provides in-depth analysis of nursing developments in the United States and an expanded global focus, including profiles of EHR initiatives in the Middle East and Asia. In addition, new topics in this second edition include nursing faculty development and results of a five-country international survey on nursing clinical documentations.

### **ICT Systems and Sustainability BoD — Books on Demand**

This book will delve into how new ICTs, represented by 5G, collectively empower industries from the perspective of theories and practices. 5G is integrating with cloud, intelligence, big data, and applications to push the boundaries of industries and diversify industrial services. Starting from the background and value of industry digitalization, Section I introduces the new ICT infrastructure for industry digitalization, as well as a new support system based on this infrastructure to enable 5GtoB to bring new value to industries. Section II summarizes the success factors and four key capabilities for achieving 5GtoB success from methodological perspective. Abundant application cases are provided in Section III to explore the adoption of 5GtoB in key enterprises across industries, as well as the benefits brought to these enterprises. The final section analyzes the future evolution and applications of 5GtoB. 5G enables a plethora

of possibilities. We believe that this book will inspire everyone in the 5GtoB industry chain to embrace 5GtoB and take the digital transformation of industries to new heights.

### **The Great Convergence CRC Press**

Advances in medical technology increase both the efficacy and efficiency of medical practice, and mobile technologies enable modern doctors and nurses to treat patients remotely from anywhere in the world. This technology raises issues of quality of care and medical ethics, which must be addressed. E-Health and Telemedicine: Concepts, Methodologies, Tools, and Applications explores recent advances in mobile medicine and how this technology impacts modern medical care. Three volumes of comprehensive coverage on crucial topics in wireless technologies for enhanced medical care make this multi-volume publication a critical reference source for doctors, nurse practitioners, hospital administrators, and researchers and academics in all areas of the medical field. This seminal publication features comprehensive chapters on all aspects of e-health and telemedicine, including implementation strategies; use cases in cardiology, infectious diseases, and cytology, among others; care of individuals with autism spectrum disorders; and medical image analysis. **Smart Sustainable Cities of the Future** IGI Global  
World-renowned economist Klaus Schwab, Founder and Executive Chairman of the World Economic Forum, explains that we have an opportunity to shape the fourth industrial revolution, which will fundamentally alter how we live and work. Schwab argues that this revolution is different in scale, scope and complexity from any that have come before. Characterized by a range of new technologies that are fusing the physical, digital and biological worlds, the developments are affecting all disciplines, economies, industries and governments, and even challenging ideas about what it means to be human. Artificial intelligence is already all

around us, from supercomputers, drones and virtual assistants to 3D printing, DNA sequencing, smart thermostats, wearable sensors and microchips smaller than a grain of sand. But this is just the beginning: nanomaterials 200 times stronger than steel and a million times thinner than a strand of hair and the first transplant of a 3D printed liver are already in development. Imagine "smart factories" in which global systems of manufacturing are coordinated virtually, or implantable mobile phones made of biosynthetic materials. The fourth industrial revolution, says Schwab, is more significant, and its ramifications more profound, than in any prior period of human history. He outlines the key technologies driving this revolution and discusses the major impacts expected on government, business, civil society and individuals. Schwab also offers bold ideas on how to harness these changes and shape a better future—one in which technology empowers people rather than replaces them; progress serves society rather than disrupts it; and in which innovators respect moral and ethical boundaries rather than cross them. We all have the opportunity to contribute to developing new frameworks that advance progress.

#### **OECD Internet Economy Outlook 2012**

Currency

This edited book presents scientific results of the International Semi-Virtual Workshop on Software Engineering in IoT, Big data, Cloud and Mobile Computing (SE-ICBM 2020) which was held on October 15, 2020, at Soongsil University, Seoul, Korea. The aim of this workshop was to bring together researchers and scientists, businessmen and entrepreneurs, teachers, engineers, computer users, and students to discuss the numerous fields of computer science and to share their experiences and exchange new ideas and information in a meaningful way. Research results about all aspects (theory, applications and tools) of computer and information science, and to discuss the practical challenges encountered along the way and the solutions adopted to solve them. The workshop organizers selected the best papers from those papers accepted for presentation at the workshop. The papers were chosen based on review scores submitted by members of the program committee and underwent further rigorous rounds of review. From this second round of review, 17 of the conference's most promising papers are then published in this Springer (SCI) book and not the conference proceedings. We impatiently await the important contributions that we know these authors will bring to the field of computer and information science.

*Changing the Ways We Work* Morgan Kaufmann

This book is intended to help explore the field of smart sustainable cities in its

complexity, heterogeneity, and breadth, the many faces of a topical subject of major importance for the future that encompasses so much of modern urban life in an increasingly computerized and urbanized world. Indeed, sustainable urban development is currently at the center of debate in light of several ICT visions becoming achievable and deployable computing paradigms, and shaping the way cities will evolve in the future and thus tackle complex challenges. This book integrates computer science, data science, complexity science, sustainability science, system thinking, and urban planning and design. As such, it contains innovative computer-based and data-analytic research on smart sustainable cities as complex and dynamic systems. It provides applied theoretical contributions fostering a better understanding of such systems and the synergistic relationships between the underlying physical and informational landscapes. It offers contributions pertaining to the ongoing development of computer-based and data science technologies for the processing, analysis, management, modeling, and simulation of big and context data and the associated applicability to urban systems that will advance different aspects of sustainability. This book seeks to explicitly bring together the smart city and sustainable city endeavors, and to focus on big data analytics and context-aware computing specifically. In doing so, it amalgamates the design concepts and planning principles of sustainable urban forms with the novel applications of ICT of ubiquitous computing to primarily advance sustainability. Its strength lies in combining big data and context-aware technologies and their novel applications for the sheer purpose of harnessing and leveraging the disruptive and synergetic effects of ICT on forms of city planning that are required for future forms of sustainable development. This is because the effects of such technologies reinforce one another as to their efforts for transforming urban life in a sustainable way by integrating data-centric and context-aware solutions for enhancing urban systems and facilitating coordination among urban domains. This timely and comprehensive book is aimed at a wide audience across science, academia industry, and policymaking. It provides the necessary material to inform relevant research communities of the state-of-the-art research and the latest development in the area of smart sustainable urban development, as well as a valuable reference for planners, designers, strategists, and ICT experts who are working towards the development and implementation of smart sustainable cities based on big data analytics and

context-aware computing.

#### **Handbook of Research on Green ICT: Technology, Business and Social Perspectives** IGI Global

"This handbook coalesces worldwide investigations, thoughts, and practices in the area of Green ICT, covering the technical advances, methodological innovations, and social changes that result in enhancements and improvements in business strategies, social policies, and technical implementations"--Provided by publisher.

#### **New Metropolitan Perspectives** CTA

This innovative reference examines how consumer health informatics (CHI) can transform healthcare systems stressed by staffing shortages and budget constraints and challenged by patients taking a more active role in their care. It situates CHI as vital to upgrading healthcare service delivery, detailing the relationship between health information technologies and quality healthcare, and outlining what stakeholders need to learn for health IT systems to function effectively. Wide-ranging content identifies critical issues and answers key questions at the consumer, practitioner, administration, and staff levels, using examples from diverse conditions, countries, technologies, and specialties. In this framework, the benefits of CHI are seen across service domains, from individual patients and consumers to healthcare systems and global health entities. Included in the coverage: Use of video technology in an aged care environment A context-aware remote health monitoring service for improved patient care Accessibility issues in interoperable sharing of electronic health records: physician's perspective Managing gestational diabetes with mobile web-based reporting of glucose readings An organizing vision perspective for developing and adopting e-health solutions An ontology of consumer health informatics Contemporary Consumer Health Informatics combines blueprint and idea book for public health and health informatics students, healthcare professionals, physicians, medical administrators, managers, and IT practitioners.

EURO Working Group on DSS OECD Publishing

This publication studies the way information technology can be used to

achieve broader developmental goals and integrate the region into the global information society. It addresses three main questions: what kind of information society is desirable; what are the specific regional traits of the move towards an information society; what policies are needed to support the transition. The book also contains the text of the Bavaro Declaration, which lays out some guiding principles.

### **Housing Dynamics in Korea Building Inclusive and Smart Cities** World Scientific

Supported by time series data, this publication presents an overview of trends and highlights how the Internet sector has proven to be resilient during the recent economic crisis.

*Corporate Governance* Harvard University Press

We are living in the era of "Big Data" and the computing power required to deal with "Big Data" both in terms of its energy consumption and technical complexity is one of the key areas of research and development. The U.S. Environmental Protection Agency estimates that centralized computing infrastructures (data centres) currently use 7 giga watts of electricity during peak loads. This translates into about 61 billion kilowatt hours of electricity used. By the EPA's estimates, power-hungry data centres consume the annual output of 15 average-sized power plants. One of the top constraints to increasing computing power, besides the ability to cool, is simply delivering enough power to a given physical space. *Green Information Technology: A Sustainable Approach* offers in a single volume a broad collection of practical techniques and methodologies for designing, building and implementing a green technology strategy in any large enterprise environment, which up until now has been scattered in difficult-to-find scholarly resources. Included here is the latest information on emerging technologies and their environmental impact, how to effectively measure sustainability, discussions on sustainable hardware and software design, as well as how to use big data and cloud computing to drive efficiencies and establish a framework for sustainability in the information technology infrastructure. Written by recognized experts in both academia and industry, *Green Information Technology: A Sustainable Approach* is a must-have guide for researchers, computer architects, computer engineers and IT professionals with an interest in greater efficiency with less environmental impact. Introduces the concept of using green procurement and supply chain programs in the IT infrastructure. Discusses how to use big data to drive efficiencies and establish a framework for sustainability in the information technology infrastructure. Explains how cloud computing can be used to consolidate corporate IT environments using large-scale shared infrastructure reducing the overall environmental impact and unlocking new efficiencies. Provides specific use cases

for Green IT such as data center energy efficiency and cloud computing sustainability and risk.

### **Grammatical Inference: Algorithms and Applications** Springer Nature

This book covers the growing convergence between Blockchain and Artificial Intelligence for Big Data, Multi-Agent systems, the Internet of Things and 5G technologies. Using real case studies and project outcomes, it illustrates the intricate details of blockchain in these real-life scenarios. The contributions from this volume bring a state-of-the-art assessment of these rapidly evolving trends in a creative way and provide a key resource for all those involved in the study and practice of AI and Blockchain.

### **ICT Diffusion in Developing Countries** IGI Global

This book proposes new technologies and discusses future solutions for ICT design infrastructures, as reflected in high-quality papers presented at the 5th International Conference on ICT for Sustainable Development (ICT4SD 2020), held in Goa, India, on 23–24 July 2020. The conference provided a valuable forum for cutting-edge research discussions among pioneering researchers, scientists, industrial engineers, and students from all around the world. Bringing together experts from different countries, the book explores a range of central issues from an international perspective.

### **Unleashing the Power of 5GtoB in Industries** Frontiers Media SA

The Media Convergence Handbook sheds new light on the complexity of media convergence and the related business challenges. Approaching the topic from a managerial, technological as well as end-consumer perspective, it acts as a reference book and educational resource in the field. Media convergence at business level may imply transforming business models and using multiplatform content production and distribution tools. However, it is shown that the implementation of convergence strategies can only succeed when expectations and aspirations of every actor involved are taken into account. Media consumers, content producers and managers face different challenges in the process of media convergence. Volume II of the Media Convergence Handbook tackles these challenges by discussing media business models, production, and users' experience and perspectives from a technological convergence viewpoint.

### **The Fourth Industrial Revolution** Intellect Books

This book presents the outcomes of the symposium "NEW METROPOLITAN PERSPECTIVES," held at Mediterranea University, Reggio Calabria, Italy on May 26–28, 2020. Addressing the challenge of Knowledge Dynamics and Innovation-

driven Policies Towards Urban and Regional Transition, the book presents a multi-disciplinary debate on the new frontiers of strategic and spatial planning, economic programs and decision support tools in connection with urban–rural area networks and metropolitan centers. The respective papers focus on six major tracks: Innovation dynamics, smart cities and ICT; Urban regeneration, community-led practices and PPP; Local development, inland and urban areas in territorial cohesion strategies; Mobility, accessibility and infrastructures; Heritage, landscape and identity; and Risk management, environment and energy. The book also includes a Special Section on Rregion United Nations 2020-2030. Given its scope, the book will benefit all researchers, practitioners and policymakers interested in issues concerning metropolitan and marginal areas.

### **Understanding ICT Standardization**

Springer Science & Business Media  
Increasingly, information technology governance is being considered an integral part of corporate governance. There has been a rapid increase in awareness and adoption of IT governance as well as the desire to conform to national governance requirements to ensure that IT is aligned with the objectives of the organization. *Information Technology Governance and Service Management: Frameworks and Adaptations* provides an in-depth view into the critical contribution of IT service management to IT governance, and the strategic and tactical value provided by effective service management. A must-have resource for academics, students, and practitioners in fields affected by IT in organizations, this work gathers authoritative perspectives on the state of research on organizational challenges and benefits in current IT governance frameworks, adoption, and incorporation.

### **Top ICT Companies in South Africa** Intelligent Systems

This book constitutes the refereed proceedings of the 50th Annual Conference of the Southern African Computer Lecturers' Association on ICT Education, SACLA 2021, held in Johannesburg, South Africa in July 2021. The 9 revised full papers presented were carefully reviewed and selected from the 23 submissions. One invited paper was also included in this volume. The papers are organized in following topical sections: past, present and future; teaching innovation; teaching methods and strategies.

### **Media Convergence Handbook - Vol. 2** Springer

This document brings together a set of latest data points and publicly available information relevant for Hybrid Cloud Infrastructure Industry. We are very excited to share this content and believe that readers will benefit from this periodic publication immensely.