

authored by leading subject matter experts from Europe, the Far East, and the USA. These papers will be of interest to academics, practitioners, and regulators involved in the progression of ship science, technical services, and safety standards.

This book constitutes the refereed post-conference proceedings of the 6th European Conference on Information Literacy, ECIL 2018, held in Oulu, Finland, in September 2018. The 58 revised papers included in this volume were carefully reviewed and selected from 241 submissions. The papers cover a wide range of topics in the field of information literacy and focus on information literacy in everyday life. They are organized in the following topical sections: information literacy in different contexts of everyday life; information literacy, active citizenship and community engagement; information literacy, health and well-being; workplace information literacy and employability; information literacy research and information literacy in theoretical context; information seeking and information behavior; information literacy for different groups in different cultures and countries; information literacy for different groups in different cultures and countries; information literacy instruction; information literacy and aspects of education; data literacy and research data management; copyright literacy; information literacy and lifelong learning.

In today's modernized market, many fields are utilizing internet technologies in their everyday methods of operation. The industrial sector is no different as these technological solutions have provided several benefits including reduction of costs, scalability, and efficiency improvements. Despite this, cyber security remains a crucial risk factor in industrial control systems. The same public and corporate solutions do not apply to this specific district because these security issues are more complex and intensive. Research is needed that explores new risk assessment methods and security mechanisms that professionals can apply to their modern technological procedures. *Cyber Security of Industrial Control Systems in the Future Internet Environment* is a pivotal reference source that provides vital research on current security risks in critical infrastructure schemes with the implementation of information and communication technologies. While highlighting topics such as intrusion detection systems, forensic challenges, and smart grids, this publication explores specific security solutions within industrial sectors that have begun applying internet technologies to their current methods of operation. This book is ideally designed for researchers, system engineers, managers, networkers, IT professionals, analysts, academicians, and students seeking a better understanding of the key issues within securing industrial control systems that utilize internet technologies.

This book constitutes the refereed proceedings of the 7th International Workshop on Learning Technology for Education Challenges, LTEC 2018, held in Žilina, Slovakia, in August 2018. The 25 revised full papers presented were carefully reviewed and selected from 54 submissions. The papers are organized in the following topical sections: Gamification and learning; learning and knowledge transfer; learning technologies applications; virtual learning environments; and mobile learning and MOOCs. LTEC 2018 examines how these technologies and pedagogical advances can be used to change the way teachers teach and students learn, while giving special emphasis to the pedagogically effective ways we can harness these new technologies in education.

An important outcome of the Fourth World Internet Conference, this book provides a comprehensive account of the status quo and trends in global Internet development. Covering network infrastructure, information technology, digital economy, e-governance, cyber security, and international cyberspace governance, it presents the Global Internet Development Index System to assess the Internet development of various major countries and emerging economies.

This fully updated second edition provides a comprehensive, state of the art review of renal cancer, and will serve as a guide for urology residents, clinicians, surgeons, and researchers

industries – featuring stories and real-world examples from circular pioneers – this book is the essential guide to help companies become leaders in the movement to secure the circular economy advantage.

This book presents the proceedings of the 5th Edition of the Brazilian Technology Symposium (BTSym). This event brings together researchers, students and professionals from the industrial and academic sectors, seeking to create and/or strengthen links between issues of joint interest, thus promoting technology and innovation at nationwide level. The BTSym facilitates the smart integration of traditional and renewable power generation systems, distributed generation, energy storage, transmission, distribution and demand management. The areas of knowledge covered by the event are Smart Designs, Sustainability, Inclusion, Future Technologies, IoT, Architecture and Urbanism, Computer Science, Information Science, Industrial Design, Aerospace Engineering, Agricultural Engineering, Biomedical Engineering, Civil Engineering, Control and Automation Engineering, Production Engineering, Electrical Engineering, Mechanical Engineering, Naval and Oceanic Engineering, Nuclear Engineering, Chemical Engineering, Probability and Statistics.

Untangling Smart Cities: From Theory to Practice helps all key stakeholders understand the complex and often conflicting nature of smart city research, offering valuable insights for designing and implementing strategies to improve the smart city decision-making processes. The book drives the reader to a better theoretical and practical comprehension of smart city development, beginning with a thorough and systematic analysis of the research literature published to date. The book provides an in-depth understanding of the entire smart city knowledge domain, revealing a deeply rooted division in its cognitive-epistemological structure as identified by bibliometric insights. Untangling Smart Cities fills the knowledge gap between theory and practice using case study research, with empirical evidence drawn from cities considered leaders in innovative smart city practices. An invaluable contribution to the growing scientific literature, Untangling Smart Cities provides an accurate and deep understanding of the strategic principles driving smart city development. Provides clarity on the smart city concepts and strategies Provides a systematic literature analysis on the state-of-the-art of Smart Cities research using bibliometrics combined with practical application to guide smart systems implementation Offers a comprehensive and systematic analysis of Smart Cities research produced during its first three decades, driven by statistical analysis techniques Generates a strong connection between theory and practice by providing the scientific knowledge necessary to approach the complex nature of Smart Cities sourced from the analysis of actual best practices Documents five main development pathways for smart cities development, serving the needs of city managers and policy makers with concrete advice and guidance

This book constitutes the refereed proceedings of the First International Conference on Futuristic Trends in Network and Communication Technologies, FTNCT 2018, held in Solan, India, in February 2018. The 37 revised full papers presented were carefully reviewed and selected from 239 submissions. The prime aim of the conference is to invite researchers from different domains of network and communication technologies to a single platform to showcase their research ideas. The selected papers are organized in topical sections on communication technologies, Internet of Things (IoT), network technologies, and wireless networks.

The Commentary on the Energy Charter Treaty (ECT) provides a unique, article-by-article, textual analysis of this important international agreement. The ECT outlines a multilateral framework for cross-border cooperation in the energy sector based on the principles of open competitive markets and sustainable development.

This book is open access under a CC BY 4.0 license. It relates to the III Annual Conference hosted by The Ministry of Education and Science of the Russian Federation in December 2016. This event has summarized, analyzed and discussed the interim results, academic outputs and scientific achievements of the Russian Federal Targeted Programme “Research and Development in Priority Areas of Development of the Russian Scientific and Technological Complex for 2014–2020.” It contains 75 selected papers from 6 areas considered priority by the Federal Targeted Programme: computer science, ecology & environment sciences; energy and energy efficiency; lifesciences; nanoscience & nanotechnology and transport & communications. The chapters report the results of the 3-years research projects supported by the Programme and finalized in 2016.

Green to Scale is a series of analysis projects that have highlighted the potential of scaling up existing climate solutions. Nordic Green to Scale for Cities and Communities analyses proven climate solutions from Nordic cities and municipalities. This report presents the emission reduction potential of 14 selected solutions. The study highlights the costs, savings and co-benefits of implementing the solutions as well as makes policy recommendations for capturing the potential. The project was carried out by the Finnish Innovation Fund Sitra, together with its partners CICERO, CONCITO, Stockholm Environment Institute, Institute of Sustainability Studies at the University of Iceland and C40 Cities. The project is part of the Nordic Council of Ministers’ Prime Ministers’ Initiative Nordic Solutions to Global Challenges.

The Academic Teaching Librarian’s Handbook is a comprehensive resource for academic library professionals and LIS students looking to pursue a teaching role in their work and to develop this aspect of their professional lives in a holistic way throughout their careers. The book is built around the core ideas of reflective self-development and informed awareness of one’s personal professional landscape. Through engaging with a series of exercises and reflective pauses in each chapter, readers are encouraged to reflect on their professional identity, self-image, self-efficacy and progress as they consider each of the different aspects of the teaching role. This handbook will: - provide a comprehensive resource on teaching, professional development and reflective practice for academic teaching librarians at all stages of their careers - explore the current landscape of teaching librarianship in higher education, and highlight the important developments, issues and trends that are shaping current and future practice - examine the roles and responsibilities of the academic teaching librarian in the digital era - introduce the essential areas of development, skill and knowledge that will empower current and future professionals in the role - inspire prospective and current academic teaching librarians to adopt a broad conception of the role that goes beyond the basic idea of classroom-based teaching, and provide practical tools to engage in personal development and career planning in this area. The Academic Teaching Librarian’s Handbook is an indispensable reference, suitable for early career professionals at the start of their teaching journey, as well as mid- or late-career librarians who may have moved into leadership and managerial

roles and who wish to advance their teaching role to the next level.

IMI????????????Library and Information Science in the Age of MOOCsIGI Global Productivity remains the critical determinant of long-term national growth and prosperity. The effects of today's globalism on productivity demands the need for business organizations to sustain their competitive advantage and remain profitable over time. Foreign Business in China and Opportunities for Technological Innovation and Sustainable Economics is a collection of research used to demonstrate state-of-the-art approaches of international business and innovation management that shows how new, advanced, international business models and adoptive strategies can expand the sustainability frontiers. This publication serves as a leading reference source on Chinese business, technology, economy, and innovation, and facilitates necessary skills needed to engage with business in or with China. While highlighting topics including e-commerce, foreign trade, and global business, individuals such as students, educators, international business experts, and innovation experts can expand their technical knowledge in the global economy.

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