Smart City Expo World Congress Districtoffuture

This book introduces the concept of smart city as the potential solution to the challenges created by urbanization. The Internet of Things (IoT) offers novel features with minimum human intervention in smart cities. This book describes different components of Internet of Things (IoT) for smart cities including sensor technologies, communication technologies, big data analytics and security.

In this challenging time for Spain and the world at large, we want to remind readers of the fundamental economic dynamics of the country in order to better assess its business environment. This publication is unique in that it provides a holistic and multisectoral view of development at a point of much political uncertainty, all amidst notable efforts to become a leader of Industry 4.0 in the European bloc. With information straight from the mouths of leaders and decision makers across the economy, it is a comprehensive guide to investment throughout the diverse and industrially-rich regions of Spain. The Business Year's country-specific publications, sometimes featuring over 150 face-to-face interviews, are among the most comprehensive annual economic publications available internationally. This 179-page publication covers finance, green economy, energy, industry, IT and telecoms, transport, real estate, construction, agriculture, education, health, tourism, and retail.

This edited volume is a compilation of the 'built environment' in response to many investigations, analyses and sometimes mere observations of the various dialogues and interactions of the built, in context to its ecology, perception and design. The chapters concentrate on various independent issues, integrated as a holistic approach, both in terms of theoretical perspectives and practical approaches, predominantly focusing on the Global South. The book builds fabric knitting into the generic understanding of environment, perception and design encompassing 'different' attitudes and inspirations. This book is an important reference to topics concerning urbanism, urban developments and physical growth, and highlights new methodologies and practices. The book presumes an understanding unearthed from various dimensions and again woven back to a common theme, which emerges as the reader reads through. Various international experts of the respective fields working on the Global South contributed their latest research and insights to the different parts of the book. This trans-disciplinary volume appeals to scientists, students and professionals in the fields of architecture, geography, planning, environmental sciences and many more.

Esta obra es el resultado de un estudio llevado a cabo por el Instituto de Gobierno y Políticas Públicas (igop) de la Universitat Autònoma de Barcelona, por encargo del Smart City Expo World Congress (scewc) y del Ajuntament de Barcelona. El objetivo del trabajo ha sido ofrecer algunas sugerencias sobre posibles innovaciones en el diseño y la

organización del evento en torno a la Smart City, que se celebra anualmente en la Fira de Barcelona. La investigación presenta una realidad poco visible desde la lógica en la que se ha movido el scewc hasta ahora. En particular, pone énfasis en empresas, modelos de negocio y proyectos que se caracterizan por adoptar modelos abiertos y colaborativos, y que se basan en la generación de bienes comunes digitales. El estudio ofrece una panorámica de un entramado de prácticas e iniciativas concretas que se mueven en Barcelona y en su área metropolitana en el campo de la innovación tecnológica y digital desde una perspectiva colaborativa y abierta. También presenta algunos elementos de análisis del ecosistema de innovación local y hace algunas sugerencias sobre cómo, dando más espacio a estos modelos de innovación, fortaleciendo el papel de los actores públicos y estableciendo mejores relaciones con los actores y nodos locales, el scewc y el Ajuntament de Barcelona podrían abrir nuevas perspectivas de innovación y desarrollo para la ciudad, el propio scewc y el ecosistema de innovación digital local.

This book examines the various ways in which co-production can contribute to the creation, design, and delivery of public services, namely by engaging the expertise of users and their networks, by promoting public services that are better targeted and more responsive to users, by cutting costs against the background of austerity in public finance, by creating a synergy between government and civil society that will impact positively on social capital, and by addressing the challenges resulting from growing democratic and citizenship deficits. Particular attention is paid to local government and the health and social care sector. After definition of the concept of co-production, the critical issues which arise when public services are co-produced are discussed. Various experiences of co-production are presented and analyzed with a view to highlighting why, how, and with what effect public service co-production may be implemented. Individual chapters focus on the impact of co-production in making cities smarter and the use of ICT in supporting co-production of public services. The book will be of relevance to a wide readership, from students to academics and professionals interested or engaged in public service management.

There has been much attention paid to the idea of Smart Cities as researchers have sought to define and characterize the main aspects of the concept, including the role of creative industries in urban growth, the importance of social capital in urban development, and the role of urban sustainability. This book develops a critical view of the Smart City concept, the incentives and role of governments in promoting the development of Smart Cities and the analysis of experiences of e-government projects addressed to enhance Smart Cities. This book further analyzes the perceptions of stakeholders, such as public managers or politicians, regarding the incentives and role of governments in Smart Cities and the critical analysis of e-government projects to promote Smart Cities' development, making the book valuable to academics, researchers, policy-makers, public managers, international organizations and technical experts in understanding the role

of government to enhance Smart Cities' projects.

As populations have continued to grow and expand, many people have made their homes in cities around the globe. With this increase in city living, it is becoming vital to create intelligent urban environments that efficiently support this growth and simultaneously provide friendly and progressive environments to both businesses and citizens alike. Smart Cities and Smart Spaces: Concepts, Methodologies, Tools, and Applications is an innovative reference source that discusses social, economic, and environmental issues surrounding the evolution of smart cities. Highlighting a range of topics such as smart destinations, urban planning, and intelligent communities, this multi-volume book is designed for engineers, architects, facility managers, policymakers, academicians, and researchers interested in expanding their knowledge on the emerging trends and topics involving smart cities.

Examining the changing nature of cities in the face of smart technology, this book studies key new challenges and capabilities defined by the Internet of Things, data science, blockchain and artificial intelligence. It argues that using algorithmic logic alone for automation and optimisation in modern smart cities is not sufficient, and analyses the importance of integrating this with strong participatory governance and digital platforms for community action.

The United Nations included sustainable cities and communities in its 2030 SDGs. Cities and, on a smaller scale, neighborhoods, building managers and firms are now adopting technologies and information systems to help achieve the energy, economic, social and environmental transition. This volume gathers contributions on the key organizational success factors for this transition. To do so, it analyzes the role of information systems, use of data, and technological assistance solutions from multiple perspectives. The goal is to develop a framework that can successfully apply information systems to organizational and environmental issues for smart cities and smart buildings. Accordingly, the book addresses living-lab experiment evaluation techniques, and provides critical analyses of the role of the environment, context and users' behavioral responses. In addition, it discusses key questions on the efficient management of resources, need for appropriate IT solutions, and employing co-creation with users to improve planning and organization.

Current Affairs December 2020 eBook is created by keeping the demands of recent pattern of various competitive exams in major view. It is brought to you by Jagranjosh.com. The topics for cover story and entire news section are selected on the basis of an analysis of general awareness sections in all important exams including IAS, PCS, BANK, SSC, Insurance and others. And the time duration of topics covered in magazine includes all exam oriented current affairs of November 2020. It presents the comprehensive coverage of the events of current affairs which are chosen on the basis of the requirements of all important exams. It covers all exam oriented current affairs of November 2020 with all required facts and analysis. The analysis of all the events related to National, International, Economy, Science & Technology, Environment & Ecology is done in a way that fulfills the demand of all the important exams including IAS. The language used in the magazine is lucid and easy-to-understand language. The eBook is expected to be handy for most of forthcoming exams like, Civil Services Examination, Various Insurance AO Exams, PCS exams, MAT and others.

A new era of innovation is enabled by the integration of social sciences and information systems research. In this context, the adoption of Big

Data and analytics technology brings new insight to the social sciences. It also delivers new, flexible responses to crucial social problems and challenges. We are proud to deliver this edited volume on the social impact of big data research. It is one of the first initiatives worldwide analyzing of the impact of this kind of research on individuals and social issues. The organization of the relevant debate is arranged around three pillars: Section A: Big Data Research for Social Impact: • Big Data and Their Social Impact; • (Smart) Citizens from Data Providers to Decision-Makers; • Towards Sustainable Development of Online Communities; • Sentiment from Online Social Networks; • Big Data for Innovation. Section B. Techniques and Methods for Big Data driven research for Social Sciences and Social Impact: • Opinion Mining on Social Media; • Sentiment Analysis of User Preferences; • Sustainable Urban Communities; • Gender Based Check-In Behavior by Using Social Media Big Data; • Web Data-Mining Techniques; • Semantic Network Analysis of Legacy News Media Perception. Section C. Big Data Research Strategies: • Skill Needs for Early Career Researchers—A Text Mining Approach; • Pattern Recognition through Bibliometric Analysis; • Assessing an Organization's Readiness to Adopt Big Data; • Machine Learning for Predicting Performance; • Analyzing Online Reviews Using Text Mining; • Context–Problem Network and Quantitative Method of Patent Analysis. Complementary social and technological factors including: • Big Social Networks on Sustainable Economic Development; Business Intelligence.

Artificial intelligence (AI) technologies are one of the top investment priorities in these days. We expect that by 2030, some 800 million jobs will have disappeared and taken over by machines, and artificial intelligence will reach human levels by around 2029. Continuing this train of thought to 2045, we will have multiplied the intelligence, the human biological machine intelligence of our civilization a billion-fold. The time of machines requires new forms of work and new ways of business education. This book is authored by a range of international experts with a diversity of backgrounds and perspectives hopefully bringing us closer to the responses for the questions like how may AI be used /or is a threat for PRME implementation, how will AI impact the business education world or what we should teach in business school in the time of AI (what the 'right' set of future skills is)? In our book, we address the following questions: 1. How will AI impact the business education world? 2. How will AI be used in business schools and management learning? 3. Is AI a threat for the successful implementation of PRME? 4. What should new learning goals be? 5. How should we create next generation learning journeys?

This book constitutes late breaking papers from the 22nd International Conference on Human-Computer Interaction, HCII 2020, which was held in July 2020. The conference was planned to take place in Copenhagen, Denmark, but had to change to a virtual conference mode due to the COVID-19 pandemic. From a total of 6326 submissions, a total of 1439 papers and 238 posters have been accepted for publication in the HCII 2020 proceedings before the conference took place. In addition, a total of 333 papers and 144 posters are included in the volumes of the proceedings published after the conference as "Late Breaking Work" (papers and posters). These contributions address the latest research and development efforts in the field and highlight the human aspects of design and use of computing systems. The 34 late breaking papers presented in this volume were organized in two topical sections named: Virtual, Augmented and Mixed Reality Design and Implementation; and User Experience in Virtual, Augmented and Mixed Reality.

Smart Cities and Artificial Intelligence offers a comprehensive view of how cities are evolving as smart ecosystems through the convergence of technologies incorporating machine learning and neural network capabilities, geospatial intelligence, data analytics & visualization, sensors, and smart connected objects to name a few. These recent advances in AI move us closer to developing operating systems that simulate human, machine, and environmental patterns from transportation infrastructure to communication networks. Understanding cities as real-time, living, dynamic systems coupled with new tools including generative design allows readers to plan, manage, and optimize city

operations, making cities more efficient and sustainable with the ultimate goal of becoming self-regulating. Smart Cities and Artificial Intelligence provides a transdisciplinary, integrated approach, using theoretical and applied insights to examine how the digital and physical worlds are converging and how a new combination of human and machine intelligence is capable of transforming the experience of the urban environment. It provides a fresh holistic perspective on smart cities through an interconnect stream of theory, methodology, system architecture, and the application of Smart City Functions to define an integrated process of the design, planning, and implementation of smart cities.

This book presents a selection of papers from the 2017 World Conference on Information Systems and Technologies (WorldCIST'17), held between the 11st and 13th of April 2017 at Porto Santo Island, Madeira, Portugal. WorldCIST is a global forum for researchers and practitioners to present and discuss recent results and innovations, current trends, professional experiences and challenges involved in modern Information Systems and Technologies research, together with technological developments and applications. The main topics covered are: Information and Knowledge Management; Organizational Models and Information Systems; Software and Systems Modeling; Software Systems, Architectures, Applications and Tools; Multimedia Systems and Applications; Computer Networks, Mobility and Pervasive Systems; Intelligent and Decision Support Systems; Big Data Analytics and Applications; Human–Computer Interaction; Ethics, Computers & Security; Health Informatics; Information Technologies in Education; and Information Technologies in Radiocommunications.

This book focuses on the potential benefits that the so-called smart technologies have been bringing to the urban reality and to the management and governance of the city, simultaneously highlighting the necessity for its responsible and ethically guided deployment, respecting essential humanistic values. The urban ecosystem has been, in the last decades, the locus to where the most advanced forms of technological innovation converge, creating intelligent management platforms meant to produce models of energy, water consumption, mobility/transportation, waste management and efficient cities. Due to the coincidence of the punctual overlap of its own genesis with the pandemics outbreak, the present book came to embody both the initial dream and desire of an intelligent city place of innovation, development and equity – a dream present in most of the chapters – and the fear not just of the pandemics per se, but of the consequences that this may have for the character of the intelligent city and for the nature of its relationship with its dwellers that, like a mother, it is supposed to nurture, shelter and protect.

Discover what AI can do for your business with this approachable and comprehensive resource Reimagining Businesses with AI acquaints readers with both the business challenges and opportunities presented by the rapid growth and progress of artificial intelligence. The accomplished authors and digital executives of the book provide you with a multi-industry approach to understanding the intersection of AI and business. The book walks you through the process of recognizing and capitalizing on AI's potential for your own business. The authors describe: How to build a technological foundation that allows for the rapid implementation of artificial intelligence How to manage the disruptive nature of powerful technology while simultaneously harnessing its capabilities The ethical implications and security and privacy concerns raised by the spread of AI Perfect for business executives and managers who seek a jargon-free and approachable manual on how to implement artificial intelligence in everyday operations, Reimagining Businesses with AI also belongs on the bookshelves of anyone curious about the interaction between artificial intelligence and business.

The adoption of cloud and IoT technologies in both the industrial and academic communities has enabled the discovery of numerous applications and ignited countless new research opportunities. With numerous professional markets benefiting from these advancements, it is

easy to forget the non-technical issues that accompany technologies like these. Despite the advantages that these systems bring, significant ethical questions and regulatory issues have become prominent areas of discussion. Social, Legal, and Ethical Implications of IoT, Cloud, and Edge Computing Technologies is a pivotal reference source that provides vital research on the non-technical repercussions of IoT technology adoption. While highlighting topics such as smart cities, environmental monitoring, and data privacy, this publication explores the regulatory and ethical risks that stem from computing technologies. This book is ideally designed for researchers, engineers, practitioners, students, academicians, developers, policymakers, scientists, and educators seeking current research on the sociological impact of cloud and IoT technologies.

The three-volume set LNCS 10288, 10289, and 10290 constitutes the proceedings of the 6th International Conference on Design, User Experience, and Usability, DUXU 2017, held as part of the 19th International Conference on Human-Computer Interaction, HCII 2017, in Vancouver, BC, Canada, in July 2017, jointly with 14 other thematically similar conferences. The total of 1228 papers presented at the HCII 2017 conferences were carefully reviewed and selected from 4340 submissions. These papers address the latest research and development efforts and highlight the human aspects of design and use of computing systems. The papers accepted for presentation thoroughly cover the entire field of Human-Computer Interaction, addressing major advances in knowledge and effective use of computers in a variety of application areas. The total of 168 contributions included in the DUXU proceedings were carefully reviewed and selected for inclusion in this three-volume set. LNCS 10288: The 56 papers included in this volume are organized in topical sections on design thinking and design philosophy; aesthetics and perception in design; user experience evaluation methods and tools; user centered design in the software development lifecycle; DUXU education and training. LNCS 10289: The 56 papers included in this volume are organized in topical sections on persuasive and emotional design; mobile DUXU; designing the playing experience; designing the virtual, augmented and tangible experience; wearables and fashion technology. LNCS 10290: The 56 papers included in this volume are organized in topical sections on information design; understanding the user; DUXU for children and young users; DUXU for art, culture, tourism and environment; DUXU practice and case studies.

In 15 similarly structured chapters, Transitioning to Smart Cities: Mapping Political, Economic, and Social Risks and Threats serves as a primer on smart cities, providing readers with no prior knowledge on smart cities with an understanding of the current smart cities debates. Gathering cutting-edge research and insights from academics, practitioners and policy-makers around the globe, Transitioning to Smart Cities identifies and discusses the nascent threats and challenges contemporary urban areas face, highlighting the drivers and ways of navigating these issues in an effective way. Uniquely providing a blend of conceptual academic analysis with empirical insights, Transitioning to Smart Cities produces policy recommendations that boost urban sustainability and resilience. With the multiplicity of qualitatively new issues and developments in these debates, Transitioning to Smart Cities offer an invaluable framework on current developments shaping today and tomorrow's urban Combines conceptual academic approaches with empirically-driven insights and best practices Offers new approaches and arguments from inter and multi-disciplinary perspectives Provides foundational knowledge and comparative insight from global case-studies that enable critical reflection and operationalization Generates policy recommendations that pave the way to debate and case-based planning In recent years, the world has been changing considerably. Within the many obstacles, barriers, and opportunities, three significant challenges should be considered for the future planning of our territories and cities: seeking to achieve Sustainable Development Goals (SDG), facing climate change, and performing a shift towards digitalization. Considering these three challenges, we can work toward a more

sustainable future for the environment. Sustainable Development Goals, Climate Change, and Digitalization Challenges in Planning elaborates on sustainability issues in the planning and development field regarding the environment. This text promotes understanding about the dynamics, challenges, and opportunities for the new decade regarding our common future planning. Covering topics such as circular economy, economic-ecological principles, and sustainable resilience, this book is essential for academicians, researchers, policymakers, environmentalists, scientists, technicians, decision makers, practitioners, and students.

Beyond Mobility is about prioritizing the needs and aspirations of people and the creation of great places. This is as important, if not more important, than expediting movement. A stronger focus on accessibility and place creates better communities, environments, and economies. There are many examples of communities across the globe working to create a seamless fit between transit and surrounding land uses, retrofit car-oriented suburbs, reclaim surplus or dangerous roadways for other activities, and revitalize neglected urban spaces like abandoned railways in urban centers. The authors draw on experiences and data from a range of cities and countries around the globe in making the case for moving beyond mobility.

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 offers a critical and comparative understanding of post-industrial development, highlighting the driving forces and limitations, strategies, sources of funding, tools and technologies for its implementation. It presents the results of research on the formation and functioning of post-industrial development institutions in developed countries and developing countries as integral elements of the national innovation system, and implementation of economic modernization and transformation of business models taking into account contradictions between modern productive forces and getting out of date production relations. This book also explores the widespread impact of new technologies on various areas of modern society, which is often impaired by its conservatism. Comprising contributions from experts across various disciplines including economics, public administration, law, and psychology, this book provides a comprehensive overview of the opportunities and challenges associated with the modern development of society, production, and consumption. It is a book with appeal to scholars and students of economics, business and public administration, interested in post-industrial development in developed and

developing countries, and the specifics of implementing strategies for technological improvement in industry and the service sector.

This book gathers the latest advances, innovations, and applications in the field of building design and construction, by focusing on new design solutions for buildings and new technologies creation for construction, as presented by researchers and engineers at the 2nd International Conference Building Innovations (ICBI), held in Poltava – Baku, Ukraine – Azerbaijan, on May 23-24, 2019. It covers highly diverse topics, including structures operation, repairing and thermal modernization in existing buildings and urban planning features, machines and mechanisms for construction, as well as efficient economy and energy conservation issues in construction. The contributions, which were selected by means of a rigorous international peer-review process, highlight numerous exciting ideas that will spur novel research directions and foster multidisciplinary collaborations.

The current trend for constructing experimental structures is now an international phenomenon. It has been taken up worldwide by design professionals, researchers, educators and students alike. There exists, however, distinct and significant tendencies within this development that require further investigation. This issue of AD takes on this task by examining one of the most promising trajectories in this area, the rise of intensely local architectures. In his seminal essay of 1983 Kenneth Frampton re-defined Critical Regionalism by calling for an intensely local approach to architectural design. He avoided a nostalgic or backward-looking attitude to regional traditions by placing an emphasis on contemporary construction and design techniques. Today, Frampton's legacy is regaining relevance for a specific body of work in practice and education focused on the construction of experimental structures. How might, though, this approach be further extended by the adoption of informed locally specific non-standard architectures? Could the most current design, production methods and tools be employed in order to respond to the specifics of local sites and settings? Could this ultimately provide the seeds for a compelling and alternative approach to sustainable design? Featured practices include: SHoP, Studio Mumbai, the early Renzo Piano Workshop, Rintala Eggertson and Tyin Tegnestue. Includes works by pioneering integrated educational and research teams: e[ad] Escuela De Arquitectura y Diseno - Pontificia universidad Catolica de Valparaiso, the Scarcity and Creativity Studio in Oslo, the OCEAN Design Research Association and workshops directed by Shin Egashira. Contributors include Barbarar Ascher, Karl Otto Ellefsen, Bijoy Jain, David Jolly Monge, Lisbet Harboe, Christopher Hight, Joakim Hoen, David Leatherbarrow, Mathilde Marengo, Gregg Pasquarelli, Sami Rintala, Søren S. Sørensen, Defne Sunguroðlu Hensel and Jeffrey Turko.

The Second Edition of Comparative Health Systems: A Global Perspective offers new perspectives in health administration, public health, and public policy that address evidence-based approaches to health system improvement; systems thinking at the policy level; integrated information management; macro and micro innovation, and systems

sustainability. Part I offers introduces foundational concepts including health and disease; and policy and economics. Two new chapters explore innovation and sustainability; and the role and contributions of non-governmental organizations. In Part II, the health systems of 19 countries are each examined in their own chapter, that carefully explores the country's geography and culture, the history of its health system, followed by a detailed evaluation of cost, quality, access and innovation.

This book offers a fascinating exploration of the relationship between information and communication technologies (ICTs) and spatial planning, expanding the concept of "urban smartness" from the usual scale of buildings or urban projects to the regional dimension. In particular, it presents the outcomes of research undertaken at Politecnico di Milano, in collaboration with Telecom Italia, that had three principal goals: to investigate the use of ICTs for the representation, promotion, management, and dissemination of an integrated system of services; to explore the spatial impacts of digital services at different scales (regional, urban, local); and to understand how a system of mobile services can encourage new spatial uses and new collective behavior in the quest for better spatial quality of places. Useful critical analysis of international case studies is also included with the aim of verifying the opportunities afforded by new digital services not only to improve the urban efficiency but also to foster the evolution of urban communities through enhancement of the public realm. The book will be a source of valuable insights for both scholars and local administrators and operators involved in smart city projects.

Sustainability Matters is a compilation of some of the best research papers submitted by students from the National University of Singapore's multi-disciplinary and inter-disciplinary graduate programme in environmental studies, as their MSc dissertations in Environmental Management [MEM]. This collection is for the period 2014/2015 to 2015/2016. Entitled Sustainability Matters: Environmental Management in the Anthropocene, this is the sixth volume in the series, and comprises 15 of the best research papers completed during this period. The papers have been edited for brevity. They analyse the many challenges to effective environmental management covering countries including China, Vietnam, Singapore, Indonesia, Pakistan, Bangladesh, the EU, and USA. Issues examined include biodiversity conservation, environmental science, environmental governance and management, energy, and urban studies. The first compilation, Sustainability Matters: Environmental Management in Asia was published in 2010 and comprised the best papers from 2001/2002 to 2006/2007. The second, Sustainability Matters: Challenges and Opportunities in Environmental Management in Asia, was published in 2011, and comprised the best papers from 2007/2008 and 2008/2009. The third and fourth compilations, Sustainability Matters: Asia's Green Challenges, and Sustainability Matters: Asia's Energy Concerns, Green Policies and Environmental Advocacy, comprised the best papers from the periods 2009/2010 and

2011/2012 respectively. The fifth compilation, Sustainability Matters: Environmental and Climate Changes in the Asia-Pacific, was published in 2015 and comprised the best papers for the periods 2012/2013 and 2013/2014. The papers are edited by five staff members from different disciplines in the MEM programme: Lye Lin-Heng, Harvey Neo, Sekhar Kondepudi, Yew Wen-Shan, Judy Sng Gek-Khim. Contents: Biodiversity & Conservation: Coral Reef Restoration in Singapore — Past, Present and Future (Ng Chin-Soon Lionel & Chou Loke-Ming)Wildlife Trade in China and Vietnam: A Comparative Study of the Implementation of the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) (Sallie Chia-Wei, Yang & Lye Lin-Heng)Environmental Science: Status and Trends of Phytoremediation in Singapore (Fam Mei-Ling & Sanjay Swarup)Managing the Risk of Non-indigenous Marine Species Transfer in Singapore Using a Study of Vessel Movement (Chin-Sing Lim, Yi-Lin Leong & Koh-Siang Tan)Biogenic Volatile Organic Compounds (BVOCs) Emissions by Selected Street Trees in Singapore (Kho Yue-Min Veron & Tan Puay-Yok)Environmental Goverance & Management: Sustainability Reporting in Singapore (Loh Zhiyang & Audrey Chia)Air Quality Improvement and Greenhouse Gas Mitigation in Pakistan: An Integrated Approach (Kaleem Anwar Mir & Rajasekhar Balasubramanian)Self-Management in Environmental Management Philosophy (Zhang Yuzhe & Cecilia Lim)Evaluating EIA Follow-ups in China and Singapore (Deng Mao & Rick Reidinger)Larger Population for Singapore: A Utilities Perspective (Ang Chun-Wei Alan & Victor R Savage)Energy: Roles of Renewable Energy for Sustainable Development in Industrial Plants (Tan Choon-Puay & Tong Yen-Wah)A Comparative Analysis of the Regulatory Framework Between the United States of America and the European Union on the Use of "Fracking" in Unconventional Hydrocarbons Development (Carmelita Leow & Namrata Chindarkar)Urban Studies: Sustainable Urbanism at Neighbourhood Level: Possibilities and Practice in Planned

EXPLORE THE LOGIC, NOT MAGIC, BEHIND INNOVATION! It is a common belief that innovation and creativity lie within the purview of genius. After reading this book you will be convinced that with a relentless focus on the user, anyone can be innovative. The book is a compilation of cases/examples from the entrepreneurial and consulting experience of the protagonist, DK. DK is a unique individual who explores and interprets the world around him through his own lenses. The stories in this book are real life stories of what happened in some situations while in some others the client did not have the risk appetite for disruption and therefore didn't go with the solution provided. These stories will reveal how business model innovation can be logically achieved with the right focus and commitment to finding solutions to business problems.

Over two decades, executive teams from India Inc. have contested in IQuation Quiz Tour for their company's honour, great gratifications as well as for the specially curated learning experience. Now, on popular demand, the best of that

question bank is presented as a quiz book, which can be used both for easy reading, as well as to prepare for G.K examinations & quiz contents. Or to conduct your own Sunday morning quiz at family breakfast or company offsites. Here then is a one of a kind knowledge trove. A collection of quiz questions-ranging from teasingly workable to wickedly twisted ,that tested the finest quiz brains & now waits for you. A fine weapon in the hands of a sharpshooter.

This book includes innovative research work presented at ICO'2018, the 1st International Conference on Intelligent Computing and Optimization, held in Pattaya, Thailand on October 4–5, 2018. The conference presented topics ranging from power quality, reliability, security assurance, cloud computing, smart cities, renewable energy, agro-engineering, smart vehicles, deep learning, block chain, power systems, AI, machine learning, manufacturing systems, and big-data analytics. This volume focuses on subjects related to innovative computing, uncertainty management and optimization approaches to real-world problems in big-data, smart cities, sustainability, meta-heuristics, cyber-security, IoTs, economics and finance, renewable energy, energy and electricity systems, and block chain. Presenting cutting-edge methodologies with real-world application problems and their solutions, the book is useful for researchers, managers, executives, students, academicians, practicing scientists, and decision makers from all around the globe. It offers the academic and the applied communities a compendium and a research resource with significant insights and inspiration for innovative scientific education, investigation and collaboration, to overcome "hard problems" among the emerging challenges today and in the future.

The present work will discuss relevant theoretical frameworks and applications pertaining to enabling resilience within the risk, crisis and disaster management domain. The contributions to this book focus on resilience thinking along 4 broad themes: Urban Domain; Cyber Domain; Organizational/Social domain; and Socio-ecological domain. This book would serve as a valuable reference for courses on risk, crisis and disaster management, international development, social innovation and resilience. This will be of particular interest to those working in the risk, crisis and disaster management domain as it will provide valuable insights into enabling resilience. This book will be well positioned to inform disaster management professionals, policy makers and academics on strategies and perspectives regarding disaster resilience.

This book, examining smart-city trends and developments from global, Chinese and EU perspectives, shows how the concept of the smart city varies from city to city. A detailed analysis is made to present the smart city as an up-to-date model of world city. Thirty pilot cities answer questions designed by the "Smart City Evaluation Framework," including managerial entities, stakeholders, project description and performance and whatever else relates to smart cities. By assessing the answers, researchers reveal major trends, best practices and challenges confronting smart city campaigns. Recommendations and solutions are provided. This is a must-read for anyone wishing to understand Chinese and European cities in terms of ideas about city development, plausible practice, natural and geographic conditions, economic structure and infrastructure robustness.

Innovation and updates in telecommunication technology is regarded as indicative of city intelligence and green, low-carbon and sustainable development. This innovative book offers an interdisciplinary perspective and shall be of interest to researchers, policy analysts and technical experts involved in and responsible for the planning, development and design of smart cities.

Global sports events are rarely far from the public eye. Such mega-events are about much more than the sporting competitions themselves. They entail global exposure and intense struggles by different stakeholders. This is the first book to examine sports mega-events from a mobilities perspective. It analyses the 'mobile construction' of global sports mega-events and the role this plays in managing labour, imaginaries, policies and legacies. In particular, the book focuses on the tension between the various mobilities and immobilities that are implied in the process of constructing a mega-event. It seeks to uncover the ways in which an event is a series of fluid interactions that occur sequentially and simultaneously at multiple scales in diverse spheres of interaction. Contributions explore the dynamics through which mega-events occur, revealing the textures and nuance of the complex systems that sustain them, and the ways that events ramify throughout the international system.

This book presents an accessible overview of the seven key concepts of city diplomacy (development cooperation, peacekeeping, economy, innovation, environment, culture, and migration). The book discusses its scope and challenges, maps the actors involved along with their interaction and offers suggestions for available tools and outcomes. Each chapter includes an analysis of a selection of best practices. The book successfully combines theory with practical evidence and will be an invaluable reference for students and researchers of international relations and urban studies looking for a comprehensive and updated analysis of the multifaceted international action of cities. The book will also be of interest to practitioners and city officials responsible for the design and implementation of impactful diplomatic strategies. Lorenzo Kihlgren Grandi is the chair of the Globalization, Territories and Integration Working Group at the International Association of Schools and Institutes of Administration (IASIA), a co-founder and chair of Urban Flag, and a lecturer in City Diplomacy at Sciences Po and École Polytechnique in Paris. His primary expertise and research interests are in the international action of cities and their multilateral response to global challenges such as sustainable development, intercultural dialogue, and digital transition. Lorenzo gained extensive practical experience in these areas, serving as an officer of the City of Milan's International Relations Department and as a consultant to the International Association of Francophone Mayors (AIMF). He is currently an advisor on city diplomacy strategies to numerous municipalities, city networks, and international organizations.

A partir de un recorrido histórico por las diferentes estructuras físicas de las ciudades, llegamos al siglo XXI, en el que las ciudades poseen todos los subsistemas cruciales de los organismos vivos: esqueletos estructurales, varias capas de piel protectora y sistemas nerviosos artificiales. En este contexto, para crear la nueva inteligencia de las ciudades, hay que combinar el software con las redes de telecomunicaciones digitales, la inteligencia integrada de forma ubicua y los sensores e identificadores. El coche urbano es un ejemplo de las aportaciones que puede hacer una ciudad inteligente a la movilidad personal, de una forma cómoda, barata y sostenible para los ciudadanos. Este prototipo es un coche urbano limpio, compacto y

eficiente, que se dobla y se encaja como los carros de la compra y que mientras tanto se carga eléctricamente. Si se impone la tecnología de la inteligencia integrada de forma ubicua, los vehículos y los diferentes sistemas mecánicos y eléctricos de los edificios se convertirán en robots especializados, que podrán responder de manera inteligente a los entornos mayores en los que están integrados. Además, los recursos se gestionarán de formas más sofisticadas y los efectos en los modelos de uso de espacio y en los sistemas de edificios serán inimaginables.

The first in the Media-Life-Universe trilogy, this volume explores a transdisciplinary notion of media and technology, exploring media as technology, with special attention to its material, historical and ecological ramifications. The authors reconceptualize media from environmental, ecological and systems approaches, drawing not only on media and communication studies, but also philosophy, sociology, political science, biology, art, computer science, information studies and other disciplines. Featuring a group of internationally known scholars, this collection explores evolving definitions of media and how media technologies are transforming theory and practice. As the current media includes a wider and wider range of concepts, products, services and institutions, the definition of media continues to be in a state of flux. What are media today? How is media studies evolving? How have technologies transformed communication and media theory, and informed praxis? What are some of the futures of media? The collection challenges traditional notions of media, as well as concepts such as freedom of expression, audience empowerment and participatory media, and explores emergent media including transmedia, virtual reality, online games, metatechnology, remediation and makerspaces. The book's primary readership will be academics, scholars and students in media and communication studies, including a wide range of undergraduate and graduate courses in media studies, communication studies and new media. Suitable for classroom use in the areas of philosophy of communication and media, media theory, media ecology, cultural studies, media archaeology, feminist studies and political economy of communications and media.

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