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Understanding Data Analytics and Predictive Modelling in the Oil and Gas

Industry Disha Publications 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.

ICT Systems and Sustainability IET ?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 Rhegion United Nations 2020-2030. Given its scope, the book will benefit all researchers, practitioners and policymakers interested in issues concerning metropolitan and marginal areas.

Intelligent Systems John Wiley & Sons

The purpose of this volume is to shape conceptual tools to understand the impact of new information and communication technologies (ICTs) on the organization of universities. Traditional research-based universities, the most typical representatives of the higher education system, find themselves challenged by the speed and the wide range of technical innovations, but also by a vast array of implicit assumptions and explicit promises associated with the distribution of digital media. The author observes that as universities increasingly use digital media (computers and the Internet) to accomplish their tasks, a transformation takes place in an evolutionary

rather than in a revolutionary way. Using the University of Klagenfurt as an in-depth case study, he explores such dynamic issues as how digital media affect the practice of research, the preservation and dissemination of knowledge (for example, through publishing and archiving), and delivery of education at universities. More broadly, he considers issues of organizational culture and design, administration, and leadership as universities integrate digital technologies into all aspects of their operations.

T Bytes Hybrid Cloud Infrastructure CTA 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 fromthe 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.

ICT4Ag (ICT Update) 80 Brookings Institution Press This book provides an extensive overview of the diffusion of Information and Communication Technologies (ICTs) in developing countries between 2000 and 2012. It covers issues such as country-specific ICT diffusion patterns, technological substitution and technological convergence. By identifying social,

economic and institutional prerequisites and analyzing critical country-specific conditions, the author develops a new approach to explaining the emergence of their technological takeoff. Readers will discover how developing countries are now adopting ICTs, rapidly catching up with the developed world in terms of ICT access and use.

Convergence Of Artificial Intelligence And Blockchain Technologies; The: Challenges And Opportunities IGI Global 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.

Exclusive Social, Polity & Economy Topics for Civil Services (IAS/IPS) Prelims & Mains Exam IOS Press

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.

Changing the Ways We Work University of Belgrade, Faculty of Organizational Sciences
"This 10-volume compilation of authoritative, research-based articles contributed by thousands of researchers and experts from all over the world emphasized modern issues and the presentation of potential opportunities, prospective solutions, and future directions in the field of information science and technology"--Provided by publisher.

Internet of Things. User-Centric IoT John Wiley & Sons
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.

Understanding ICT Standardization World Scientific
The five-volume set LNCS 7971-7975 constitutes the refereed proceedings of the 13th International Conference on Computational Science and Its Applications, ICCSA

2013, held in Ho Chi Minh City, Vietnam, in June 2013. Apart from the general track, ICCSA 2013 also include 33 special sessions and workshops, in various areas of computational sciences, ranging from computational science technologies, to specific areas of computational sciences, such as computer graphics and virtual reality. There are 46 papers from the general track, and 202 in special sessions and workshops.

ICT Futures Springer
This book is dedicated to intelligent systems of broad-spectrum application, such as personal and social biosafety or use of intelligent sensory micro-nanosystems such as "e-nose", "e-tongue" and "e-eye". In addition to that, effective acquiring information, knowledge management and improved knowledge transfer in any media, as well as modeling its information content using meta-and hyper heuristics and semantic reasoning all benefit from the systems covered in this book. Intelligent systems can also be applied in education and generating the intelligent distributed eLearning architecture, as well as in a large number of technical fields, such as industrial design, manufacturing and utilization, e.g., in precision agriculture, cartography, electric power distribution systems, intelligent building management systems, drilling operations etc. Furthermore, decision making using fuzzy logic models, computational recognition of comprehension uncertainty and the joint synthesis of goals and means of intelligent behavior biosystems, as well as diagnostic and human support in the healthcare environment have also been made easier.
Unleashing the Power of 5GtoB in Industries Springer

Nature
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.

Housing Dynamics in Korea Building Inclusive and Smart Cities OECD Publishing 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 Springer Nature
Information and Communication Technologies, Society and Human Beings: Theory and Framework addresses the extensive area of effects of ICT on human beings and the interaction between ICT, individuals, organizations, and society. This premier reference source features contributions from over 45 distinguished researchers from around the world, each presenting high quality research on Social Informatics, Human Computer Interaction, Organizational Behavior, and Macro-ergonomics. This unique publication is perfect for students, teachers, researchers, engineers, practitioners, managers, policy-makers, and media alike.

Virtualization of Universities IGI Global Combines the latest trends in spectrum sharing, both from a research and a standards/regulation/experimental standpoint Written by noted professionals from academia, industry, and research labs, this unique book provides a

comprehensive treatment of the principles and architectures for spectrum sharing in order to help with the existing and future spectrum crunch issues. It presents readers with the most current standardization trends, including CEPT / CEE, eLSA, CBRS, MulteFire, LTE-Unlicensed (LTE-U), LTE WLAN integration with Internet Protocol security tunnel (LWIP), and LTE/Wi-Fi aggregation (LWA), and offers substantial trials and experimental results, as well as system-level performance evaluation results. The book also includes a chapter focusing on spectrum policy reinforcement and another on the economics of spectrum sharing. Beginning with the historic form of cognitive radio, Spectrum Sharing: The Next Frontier in Wireless Networks continues with current standardized forms of spectrum sharing, and reviews all of the technical ingredients that may arise in spectrum sharing approaches. It also looks at policy and implementation aspects and ponders the future of the field. White spaces and data base-assisted spectrum sharing are discussed, as well as the licensed shared access approach and cooperative communication techniques. The book also covers reciprocity-based beam forming techniques for spectrum sharing in MIMO networks; resource allocation for shared spectrum networks; large scale wireless spectrum monitoring; and much more. Contains all the latest standardization trends, such as CEPT / ECC,

eLSA, CBRS, MulteFire, LTE-Unlicensed (LTE-U), LTE WLAN integration with Internet Protocol security tunnel (LWIP) and LTE/Wi-Fi aggregation (LWA) Presents a number of emerging technologies for future spectrum sharing (collaborative sensing, cooperative communication, reciprocity-based beamforming, etc.), as well as novel spectrum sharing paradigms (e.g. in full duplex and radar systems) Includes substantial trials and experimental results, as well as system-level performance evaluation results Contains a dedicated chapter on spectrum policy reinforcement and one on the economics of spectrum sharing Edited by experts in the field, and featuring contributions by respected professionals in the field

world wide Spectrum Sharing; The Next Frontier in Wireless Networks is highly recommended for graduate students and researchers working in the areas of wireless communications and signal processing engineering. It would also benefit radio communications engineers and practitioners.

ICT Education Springer Nature Recent global and national debates have shown that demographic change, the rising incidence of chronic disease, and the unmet need for more personalized care are trends demanding a new, integrated approach to health and social care. The advancement and adoption of technology in both health and social care settings is a valuable tool for encouraging change and improving the quality and efficiency of care provided to patients and care clients.Achieving Effective Integrated E-Care Beyond the Silos presents a collection of real-

life examples, frameworks, business models, financial implications, and methods of evaluating the technological tools that are enabling a more human-centered approach to health and social care. Based on relevant research in the field of integrated e-care, this publication is ideally designed for use by practitioners, researchers, and decision-makers in the care field.

Handbook of Research on Green ICT: Technology, Business and Social Perspectives IGI Global A positive agenda for achieving the Sustainable Development Goals by 2030 All 193 member nations of the United Nations agreed in September 2015 to adopt a set of seventeen "Sustainable Development Goals," to be achieved by 2030. Each of the goals—in such areas as education and health care —is laudable in and of itself, and governments and organizations are working hard on them. But so far there is no overall, positive agenda of what new things need to be done to ensure the goals are achieved across all nations. In a search of fresh approaches to the longstanding problems targeted by the Sustainable Development Goals, the Japan International Cooperation Agency and the Global Economy and Development program at Brookings mounted a collaborative research effort to advance implementation of Agenda 2030. This edited volume is the product of that effort. The book approaches the UN's goals through three broad lenses. The first considers new approaches to capturing value. Examples include Nigeria's first green bonds, practical methods to expand women's economic opportunities, benchmarking to reflect business contributions to achieving the goals, new incentives for investment in infrastructure, and educational systems that promote cross-sector problem solving. The second lens entails new approaches to targeting places, including oceans, rural areas, fast-growing developing cities, and the interlocking challenge of data systems, including geospatial information generated by satellites. The third lens focuses

on updating governance, broadly defined. Issues include how civil society can align with the SDG challenge; how an advanced economy like Canada can approach the goals at home and abroad; what needs to be done to foster new approaches for managing the global commons; and how can multilateral institutions for health and development finance evolve.

New Metropolitan Perspectives EGBG Services LLC

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.

Untangling Smart Cities
Springer
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 ...

Achieving Effective Integrated E-Care Beyond the Silos Elsevier
This book constitutes the proceedings of the 7th International Workshop on Enterprise Applications and Services in the Finance Industry, FinanceCom 2014, held in Sydney, Australia, on December 12, 2014. The workshop spans multiple disciplines,

including technical, service, economic, sociological, and behavioral sciences. It reflects on technologically enabled opportunities, implications, and changes due to the introduction of new business models or regulations related to the financial services industry and the financial markets. The nine papers presented were carefully reviewed and selected from numerous submissions.