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Information and Communication Technology for Sustainable Development - Durgesh Kumar

Mishra 2017-11-07
The book proposes new technologies and

discusses future solutions for design infrastructure for ICT. The book contains high quality submissions presented at Second International Conference on Information and Communication Technology for Sustainable Development (ICT4SD - 2016) held at Goa, India during 1 - 2 July, 2016. The conference stimulates the cutting-edge research discussions among many academic pioneering researchers, scientists, industrial engineers, and students from all around the world. The topics covered in this book also focus on innovative issues at international level by bringing together the experts from different countries.

Proceedings of Sixth International Congress on Information and Communication Technology - Xin-She Yang 2021-09-16
This book gathers selected high-quality research papers presented at the Sixth International Congress on Information and Communication Technology, held at Brunel University, London, on February 25–26, 2021. It discusses emerging topics pertaining to information and communication technology (ICT) for managerial applications, e-governance, e-agriculture, e-education and computing technologies, the Internet of things (IoT) and e-mining. Written by respected experts and researchers working on ICT, the book offers a valuable asset for young researchers involved in advanced studies. The book is presented in four volumes.

ADVANCES IN INFORMATION COMMUNICATION TECHNOLOGY AND COMPUTING - Vishal Goar
The book is a collection of best selected research papers presented at the International Conference on Advances in Information Communication Technology and Computing (AICTC 2021), held in Government Engineering College Bikaner, Bikaner, India, during 20-21 December 2021. The book covers ICT-based approaches in the areas of ICT for energy efficiency, life cycle assessment of ICT, green IT, green information systems, environmental

informatics, energy informatics, sustainable HCI or Artificial intelli computational sustainability.

Next Generation Marine Wireless Communication Networks - Bin Lin 2022-04-25 This book presents a novel framework design for the next generation Marine Wireless Communication Networks (MWCNs). The authors first provide an overview of MWCNs, followed by a discussion of challenges in the design and development of MWCNs in support of a diversity of marine services such as real-time marine monitoring, offshore oil exploration, drilling, marine tourism and fishing. The authors then propose cross layer networking solutions to achieve a high performance modern MWCN that enables efficient and reliable data transmissions under hostile marine environment, which include the network deployment, the physical layer channel coding, intelligent network access and resource management, and learning-based opportunistic routing. Finally, the authors summarize the book and present some open issues that will lead to new research directions in the next generation MWCNs.

Advances in Computational Intelligence and Communication Technology - Xiao-Zhi Gao 2022
This book features high-quality papers presented at the International Conference on Computational Intelligence and Communication Technology (CICT 2021) organized by Janardan Rai Nagar Rajasthan Vidyapeeth, Udaipur, Rajasthan, India, and held from 29-30 October 2021. It includes the latest advances and research findings in fields of computational science and communication such as communication and networking, web and informatics, hardware and software designs, distributed and parallel processing, advanced software engineering, advanced database management systems and bioinformatics. It is of interest to research scholars, students, and engineers around the globe.

Industrial Communication Technology

Handbook - Richard Zurawski 2017-12-19
Featuring contributions from major technology
vendors, industry consortia, and government and
private research establishments, the Industrial
Communication Technology Handbook, Second
Edition provides comprehensive and
authoritative coverage of wire- and wireless-
based specialized communication networks used
in plant and factory automation, automotive
applications, avionics, building automation,
energy and power systems, train applications,
and more. New to the Second Edition: 46 brand-
new chapters and 21 substantially revised
chapters Inclusion of the latest, most significant
developments in specialized communication
technologies and systems Addition of new
application domains for specialized networks
The Industrial Communication Technology
Handbook, Second Edition supplies readers with
a thorough understanding of the application-
specific requirements for communication
services and their supporting technologies. It is
useful to a broad spectrum of professionals
involved in the conception, design, development,
standardization, and use of specialized
communication networks as well as academic
institutions engaged in engineering education
and vocational training.
*Europe and MENA Cooperation Advances in
Information and Communication Technologies* -
Álvaro Rocha 2016-09-25
This book contains a selection of articles from
The Europe, Middle East and North Africa
Conference on Technology and Security to
Support Learning 2016 (EMENA-TSSL'16), held
between the 3th and 5th of October at Saidia,
Oujda, Morocco. EMENA-TSSL'16 is a global
forum for researchers and practitioners to
present and discuss recent results and
innovations, current trends, professional
experiences and challenges in Information &
Communication Technologies, and Security to
support Learning. The main topics covered are:
A) Online Education; B) Emerging Technologies

in Education; C) Artificial Intelligence in Education; D) Gamification and Serious games; E) Network & Web Technologies Applications; F) Online experimentation and Virtual Laboratories; G) Multimedia Systems and Applications; H) Security and Privacy; I) Multimedia, Computer Vision and Image Processing; J) Cloud, Big Data Analytics and Applications; K) Human-Computer Interaction; L) Software Systems, Architectures, Applications and Tools; M) Online Languages and Natural Language Processing N) E-content Development, Assessment and Plagiarism; O) Secure E-Learning Development and Auditing; P) Internet of Things and Wireless Sensor Networks.

Information Communication Technology and Poverty Alleviation - Jack J. Barry 2018-07-24
Despite global economic disparities, recent years have seen rapid technological changes in developing countries, as it is now common to see people across all levels of society with smartphones in their hands and computers in their homes. However, does access to Information Communication Technologies (ICTs) actually improve the day-to-day lives of low-income citizens? This book argues that access to the internet can help alleviate poverty, improve development outcomes, and is now vital for realizing many human rights. This book posits that good governance is essential to the realization of inclusive pro-poor development goals, and puts forward policy recommendations that aim to mitigate the complex digital divide by employing governance as the primary actor. In making his argument, the author provides a quantitative analysis of developing countries, conjoined with a targeted in-depth study of Mexico. This mixed method approach provides an intriguing case for how improvements in the quality of governance impacts both ICT penetration, and poverty alleviation. Overall, the book challenges the neoliberal deterministic perspective that the open market will "solve"

technology diffusion, and argues instead that good governance is the lynchpin that creates conducive conditions for ICTs to make an impact on poverty alleviation. In fact, the digital divide should not be considered binary, rather it is a multifaceted problem where income, education, and language all need to be considered to address it effectively. This book will be useful for researchers/students of development, communication technologies, and comparative politics as well as for development practitioners and policy makers with an interest in how modern technology is impacting the poor in the developing world.

Industrial Communication Technology Handbook, Second Edition - Richard Zurawski 2014-11-07
Featuring contributions from major technology vendors, industry consortia, and government and private research establishments, the Industrial Communication Technology Handbook, Second Edition provides comprehensive and authoritative coverage of wire- and wireless-based specialized communication networks used in plant and factory automation, automotive applications, avionics, building automation, energy and power systems, train applications, and more. New to the Second Edition: 46 brand-new chapters and 21 substantially revised chapters Inclusion of the latest, most significant developments in specialized communication technologies and systems Addition of new application domains for specialized networks The Industrial Communication Technology Handbook, Second Edition supplies readers with a thorough understanding of the application-specific requirements for communication services and their supporting technologies. It is useful to a broad spectrum of professionals involved in the conception, design, development, standardization, and use of specialized communication networks as well as academic institutions engaged in engineering education and vocational training.

Digital Information and Communication Technology and Its Applications - Hocine Cherifi 2011-06-14
This two-volume set CCIS 166 and CCIS 167 constitutes the refereed proceedings of the International Conference on Digital Information and Communication Technology and its Applications, DICTAP 2011, held in Dijon, France, in June 2010. The 128 revised full papers presented in both volumes were carefully reviewed and selected from 330 submissions. The papers are organized in topical sections on Web applications; image processing; visual interfaces and user experience; network security; ad hoc network; cloud computing; Data Compression; Software Engineering; Networking and Mobiles; Distributed and Parallel processing; social networks; ontology; algorithms; multimedia; e-learning; interactive environments and emergent technologies for e-learning; signal processing; information and data management.

Advances in Information and Communication Technology and Systems - Mykhailo Ilchenko 2020-09-05
This book highlights the most important research areas in Information and Communication Technologies as well as Radio Electronics, in particular contains publications on theory, applications, and design methods of Processing and Control in Information and Communication Systems. The respective chapters share in-depth and extended results in these areas with a view to resolving practically relevant and challenging issues including: 1. Infocommunications: IT, Cloud and Big Data technologies, E-society, Internet of Things and its implementation, Information and communication systems, security, etc.; 2. Telecommunications: Communication systems and networks, theoretical foundations of information processing and transmission in communication systems, SDN and SDR, etc..; 3. Radio Engineering: Theory of circuits, signals

and processes in radio engineering and electronics, Circuit engineering, antennas, Microwave technology, Microwave and THz electronics, etc.; 4. Electronics: Electronic materials, Electronic devices, Nanoelectronics and Nanotechnology, etc. These results can be used in the implementation of novel systems and to promote the exchange of information in e-societies. Given its scope the book offers a valuable resource for scientists, lecturers, specialists working at enterprises, graduate and undergraduate students who engage with problems in Information and Communication Technologies as well as Radio Electronics

Proceedings of Seventh International Congress on Information and Communication Technology - Xin-She Yang 2022-08-27
This book gathers selected high-quality research papers presented at the Seventh International Congress on Information and Communication Technology, held at Brunel University, London, on February 21–24, 2022. It discusses emerging topics pertaining to information and communication technology (ICT) for managerial applications, e-governance, e-agriculture, e-education and computing technologies, the Internet of Things (IoT) and e-mining. Written by respected experts and researchers working on ICT, the book offers a valuable asset for young researchers involved in advanced studies. The work is presented in four volumes.

Cyber Security: The Lifeline of Information and Communication Technology - Ramjee Prasad 2019-10-17
This book discusses a broad range of cyber security issues, addressing global concerns regarding cyber security in the modern era. The growth of Information and Communication Technology (ICT) and the prevalence of mobile devices make cyber security a highly topical and relevant issue. The transition from 4G to 5G mobile communication, while bringing convenience, also means cyber threats are growing exponentially. This book discusses a

variety of problems and solutions including: • Internet of things and Machine to Machine Communication; • Infected networks such as Botnets; • Social media and networking; • Cyber Security for Smart Devices and Smart Grid • Blockchain Technology and • Artificial Intelligence for Cyber Security Given its scope, the book offers a valuable asset for cyber security researchers, as well as industry professionals, academics, and students.

Contribution of Modelling and Analysis of Wireless Communication for Safety related Systems with Bluetooth Technology - Pendli, Pavan Kumar 2014-01-01

Handbook of Research on Information Communication Technology Policy: Trends, Issues and Advancements - Adomi, Esharenana E. 2010-07-31
The Handbook of Research on Information Communication Technology Policy: Trends, Issues and Advancements provides a comprehensive and reliable source of information on current developments in information communication technologies. This source includes ICT policies; a guide on ICT policy formulation, implementation, adoption, monitoring, evaluation and application; and background information for scholars and researchers interested in carrying out research on ICT policies.

Social Dimensions of Information and Communication Technology Policy - Chrisanthi Avgerou 2008-08-27
This book constitutes the proceedings of the 8th International Conference on Human Choice and Computers held in Pretoria, South Africa. The IFIP series publishes state-of-the-art results in the sciences and technologies of information and communication. The scope of the series includes: foundations of computer science; software theory and practice; education; computer applications in technology; communication systems; systems modeling and optimization;

information systems; computers and society; computer systems technology; security and protection in information processing systems; artificial intelligence; and human-computer interaction. Proceedings and post-proceedings of refereed international conferences in computer science and interdisciplinary fields are featured. These results often precede journal publication and represent the most current research. The principal aim of the IFIP series is to encourage education and the dissemination and exchange of information about all aspects of computing.

Information Communication Technology Law, Protection and Access Rights: Global Approaches and Issues - Portela, Irene Maria 2010-06-30
"This book identifies key issues in the relationship between ICT and law, ethics, politics and social policy, drawing attention to diverse global approaches to the challenges posed by ICT to access rights"--Provided by publisher.

Information and Communication Technology for Intelligent Systems - Suresh Chandra Satapathy 2018-12-30
The book gathers papers addressing state-of-the-art research in all areas of Information and Communication Technologies and their applications in intelligent computing, cloud storage, data mining and software analysis. It presents the outcomes of the third International Conference on Information and Communication Technology for Intelligent Systems, which was held on April 6–7, 2018, in Ahmedabad, India. Divided into two volumes, the book discusses the fundamentals of various data analytics and algorithms, making it a valuable resource for researchers' future studies.

The Industrial Communication Technology Handbook - Richard Zurawski 2005-02-23
The Industrial Communication Technology Handbook focuses on current and newly emerging communication technologies and systems that are evolving in response to the

needs of industry and the demands of industry-led consortia and organizations. Organized into two parts, the text first summarizes the basics of data communications and IP networks, then presents a comprehensive overview of the field of industrial communications. This book extensively covers the areas of fieldbus technology, industrial Ethernet and real-time extensions, wireless and mobile technologies in industrial applications, the linking of the factory floor with the Internet and wireless fieldbuses, network security and safety, automotive applications, automation and energy system applications, and more. The Handbook presents material in the form of tutorials, surveys, and technology overviews, combining fundamentals and advanced issues with articles grouped into sections for a cohesive and comprehensive presentation. The text contains 42 contributed articles by experts from industry and industrial research establishments at the forefront of development, and some of the most renowned academic institutions worldwide. It analyzes content from an industrial perspective, illustrating actual implementations and successful technology deployments.

Encyclopedia of Developing Regional Communities with Information and Communication Technology - Marshall, Stewart 2005-06-30
"This encyclopedia provides a thorough examination of concepts, technologies, policies, training, and applications of ICT in support of economic and regional developments around the globe"--Provided by publisher.

Security, Privacy, and Anonymity in Computation, Communication, and Storage - Guojun Wang 2021-02-04
This book constitutes the refereed proceedings of the 13th International Conference on Security, Privacy, and Anonymity in Computation, Communication, and Storage, SpaCCS 2020, held in Nanjing, China, in December 2020. The 30 full papers were

carefully reviewed and selected from 88 submissions. The papers cover many dimensions including security algorithms and architectures, privacy-aware policies, regulations and techniques, anonymous computation and communication, encompassing fundamental theoretical approaches, practical experimental projects, and commercial application systems for computation, communication and storage. SpaCCS 2020 is held jointly with the 11th International Workshop on Trust, Security and Privacy for Big Data (TrustData 2020), the 10th International Symposium on Trust, Security and Privacy for Emerging Applications (TSP 2020), the 9th International Symposium on Security and Privacy on Internet of Things (SPIoT 2020), the 6th International Symposium on Sensor-Cloud Systems (SCS 2020), the 2nd International Workshop on Communication, Computing, Informatics and Security (CCIS 2020), the First International Workshop on Intelligence and Security in Next Generation Networks (ISNGN 2020), the First International Symposium on Emerging Information Security and Applications (EISA 2020).

NBS Special Publication - 1973

Data Engineering and Communication Technology - K. Srujan Raju 2020-01-08 This book includes selected papers presented at the 3rd International Conference on Data Engineering and Communication Technology (ICDECT-2K19), held at Stanley College of Engineering and Technology for Women, Hyderabad, from 15 to 16 March 2019. It features advanced, multidisciplinary research towards the design of smart computing, information systems, and electronic systems. It also focuses on various innovation paradigms in system knowledge, intelligence, and sustainability which can be applied to provide viable solutions to diverse problems related to society, the environment, and industry.

Digital Telephony and Law Enforcement

Access to Advanced Telecommunications Technologies and Services - United States. Congress. Senate. Committee on the Judiciary. Subcommittee on Technology and the Law 1995

Future Information Communication Technology and Applications - Hoe-Kyung Jung 2013-05-25
These proceedings are based on the 2013 International Conference on Future Information & Communication Engineering (ICFICE 2013), which will be held at Shenyang in China from June 24-26, 2013. The conference is open to all over the world, and participation from Asia-Pacific region is particularly encouraged. The focus of this conference is on all technical aspects of electronics, information, and communications ICFICE-13 will provide an opportunity for academic and industry professionals to discuss the latest issues and progress in the area of FICE. In addition, the conference will publish high quality papers which are closely related to the various theories and practical applications in FICE. Furthermore, we expect that the conference and its publications will be a trigger for further related research and technology improvements in this important subject.

Information and Communication Technology for Competitive Strategies (ICTCS 2020) - M. Shamim Kaiser 2021-07-05
This book contains the best selected research papers presented at ICTCS 2020: Fifth International Conference on Information and Communication Technology for Competitive Strategies. The conference was held at Jaipur, Rajasthan, India during 11–12 December 2020. The book covers state-of-the-art as well as emerging topics pertaining to ICT and effective strategies for its implementation for engineering and managerial applications. This book contains papers mainly focused on ICT for computation, algorithms and data analytics and IT security.
Proceedings of First International Conference on

Information and Communication Technology for Intelligent Systems: Volume 2 - Suresh Chandra Satapathy 2016-05-03
This volume contains 60 papers presented at ICTIS 2015: International Conference on Information and Communication Technology for Intelligent Systems. The conference was held during 28th and 29th November, 2015, Ahmedabad, India and organized communally by Venus International College of Technology, Association of Computer Machinery, Ahmedabad Chapter and Supported by Computer Society of India Division IV – Communication and Division V – Education and Research. This volume contains papers mainly focused on ICT and its application for Intelligent Computing, Cloud Storage, Data Mining, Image Processing and Software Analysis etc.
Visible Light Communication - Suseela Vappangi 2021-08-11
The field of visible light communication (VLC) has diverse applications to the end user including streaming audio, video, high-speed data browsing, voice over internet and online gaming. This comprehensive textbook discusses fundamental aspects, research activities and modulation techniques in the field of VLC. Visible Light Communication: A Comprehensive Theory and Applications with MATLAB® discusses topics including line of sight (LOS) propagation model, non-line of sight (NLOS) propagation model, carrier less amplitude and phase modulation, multiple-input-multiple-output (MIMO), non-linearities of optical sources, orthogonal frequency-division multiple access, non-orthogonal multiple access and single-carrier frequency-division multiple access in depth. Primarily written for senior undergraduate and graduate students in the field of electronics and communication engineering for courses on optical wireless communication and VLC, this book: Provides up-to-date literature in the field of VLC Presents MATLAB codes and simulations to help readers

understand simulations Discusses applications of VLC in enabling vehicle to vehicle (V2V) communication Covers topics including radio frequency (RF) based wireless communications and VLC Presents modulation formats along with the derivations of probability of error expressions pertaining to different variants of optical OFDM

Information and Communication Technology for Intelligent Systems - Tomonobu Senjyu 2020-10-21 This book gathers papers addressing state-of-the-art research in all areas of information and communication technologies and their applications in intelligent computing, cloud storage, data mining and software analysis. It presents the outcomes of the Fourth International Conference on Information and Communication Technology for Intelligent Systems, which was held in Ahmedabad, India. Divided into two volumes, the book discusses the fundamentals of various data analysis techniques and algorithms, making it a valuable resource for researchers and practitioners alike.

Communication and Technology - Lorenzo Cantoni 2015-08-31 The primary goal of the Communication and Technology volume (5th within the series "Handbooks of Communication Science") is to provide the reader with a comprehensive compilation of key scholarly literature, identifying theoretical issues, emerging concepts, current research, specialized methods, and directions for future investigations. The internet and web have become the backbone of many new communication technologies, often transforming older communication media, through digitization, to make them compatible with the net. Accordingly, this volume focuses on internet/web technologies. The essays cover various infrastructure technologies, ranging from different kinds of hard-wired elements to a range of wireless technologies such as WiFi, mobile telephony, and satellite technologies.

Audio/visual communication is discussed with reference to large-format motion pictures, medium-sized television and video formats, and the small-screen mobile smartphone. There is also coverage of audio-only media, such as radio, music, and voice telephony; text media, in such venues as online newspapers, blogs, discussion forums and mobile texting; and multi-media technologies, such as games and virtual reality.
Information and Communication Technology for Intelligent Systems (ICTIS 2017) - Volume 1 - Suresh Chandra Satapathy 2017-08-07
This volume includes 74 papers presented at ICTIS 2017: Second International Conference on Information and Communication Technology for Intelligent Systems. The conference was held on 25th and 26th March 2017, in Ahmedabad, India and organized jointly by the Associated Chambers of Commerce and Industry of India (ASSOCHAM) Gujarat Chapter, the G R Foundation, the Association of Computer Machinery, Ahmedabad Chapter and supported by the Computer Society of India Division IV – Communication and Division V – Education and Research. The papers featured mainly focus on information and communications technology (ICT) for computation, algorithms and data analytics. The fundamentals of various data analytics and algorithms discussed are useful to researchers in the field.
EU Competition Law and the Information and Communication Technology Network Industries - Andrej Fatur 2012-03-08
Competition policies have long been based on a scholarly tradition focused on static models and static analysis of industrial organisation. However, recent developments in industrial organisation literature have led to significant advances, moving beyond traditional static models and a preoccupation with price competition, to consider the organisation of industries in a dynamic context. This is especially important in the field of information and communication technology (ICT) network

industries where competition centres on network effects, innovation and intellectual property rights, and where the key driver of consumer benefit is technological progress. Consequently, when an antitrust intervention is contemplated, a number of considerations that arise out of the specific nature of the ICT sector have to be taken into account to ensure improved consumer welfare. This book considers the adequacy of existing EU competition policy in the area of the ICT industries in the light of the findings of modern economic theory. Particular attention is given to the implications of these dynamic markets for the competitive assessment and treatment of the most common competitive harms in this area, such as non-price predatory practices, tying and bundling, co-operative standard setting, platform joint ventures and co-operative R&D.

Network Security and Communication Engineering - Kennis Chan 2015-07-06
The conference on network security and communication engineering is meant to serve as a forum for exchanging new developments and research progresss between scholars, scientists and engineers all over the world and providing a unique opportunity to exchange information, to present the latest results as well as to review the relevant issues on

Department of the Interior and Related Agencies Appropriations for 2001 - United States. Congress. House. Committee on Appropriations. Subcommittee on Department of the Interior and Related Agencies 2000

Congressional Record - United States. Congress 2010
The Congressional Record is the official record of the proceedings and debates of the United States Congress. It is published daily when Congress is in session. The Congressional Record began publication in 1873. Debates for sessions prior to 1873 are recorded in The Debates and Proceedings in the Congress of the

United States (1789-1824), the Register of Debates in Congress (1824-1837), and the Congressional Globe (1833-1873)
Advances in Information and Communication Technology - Masato Akagi 2016-12-07 This book features papers presented at the International Conference on Advances in Information and Communication Technology (ICTA 2016), which was held in Thai Nguyen city, Vietnam, from December 1 to 13, 2016. The conference was jointly organized by Thai Nguyen University of Information and Communication Technology (ICTU), the Institute of Information Technology – Vietnam Academy of Science and Technology (IoIT), Feng Chia University, Taiwan (FCU), the Japan Advanced Institute of Science and Technology (JAIST) and the National Chung Cheng University, Taiwan (CCU) with the aim of bringing together researchers, academics, practitioners and students to not only share research results and practical applications but also to foster collaboration in information and communication technology research and education. The book includes the 66 best peer-reviewed papers, selected from the 150 submissions received.
Information and Communication Technology - Khabib Mustofa 2013-03-09 This book constitutes the refereed proceedings of the International Conference on Information and Communication Technology, ICT-EurAsia 2013, and the collocation of AsiaARES 2013 as a special track on Availability, Reliability, and Security, held in Yogyakarta, Indonesia, in March 2013. The 62 revised full papers presented were carefully reviewed and selected from a numerous submissions. The papers are organized in topical sections on e-society, software engineering, security and privacy, cloud and internet computing, knowledge management, dependable systems and applications, cryptography, privacy and trust management, network analysis and security, and multimedia security.

Information and Communication Technology for Competitive Strategies - Simon Fong 2018-08-30 This book contains 74 papers presented at ICTCS 2017: Third International Conference on Information and Communication Technology for Competitive Strategies. The conference was held during 16–17 December 2017, Udaipur, India and organized by Association of Computing Machinery, Udaipur Professional Chapter in association with The Institution of Engineers (India), Udaipur Local Center and Global Knowledge Research Foundation. This book contains papers mainly focused on ICT for Computation, Algorithms and Data Analytics and IT Security etc.

Information and Communication Technology - Ismail Khalil 2015-09-25 This book constitutes the refereed proceedings of the Third IFIP TC 5/8 International Conference on Information and Communication Technology, ICT-EurAsia 2015, with the collocation of AsiaARES 2015 as a special track on Availability, Reliability and Security, and the 9th IFIP WG 8.9 Working Conference on Research and Practical Issues of Enterprise Information Systems, CONFENIS 2015, held as part of the 23rd IFIP World Computer Congress, WCC 2015, in Daejeon, Korea, in October 2015. The 35 revised full papers presented were carefully reviewed and selected from 84 submissions. The papers have been organized in the following topical sections: networks and systems architecture; teaching and education; authentication and profiling; data management and information advertizing; applied modeling and simulation; network security; dependable systems and applications, multimedia security; cryptography; big data and text mining, and social impact of EIS and visualization.

Responsible Design, Implementation and Use of Information and Communication Technology - Marié Hattingh 2020-04-06 This two-volume set constitutes the proceedings of the 19th IFIP WG 6.11 Conference on e-

Business, e-Services, and e-Society, I3E 2020, held in Skukuza, South Africa, in April 2020.* The total of 80 full and 7 short papers presented in these volumes were carefully reviewed and selected from 191 submissions. The papers are organized in the following topical sections: Part I: block chain; fourth industrial revolution; eBusiness; business processes; big data and machine learning; and ICT and education Part II: eGovernment; eHealth; security; social media; knowledge and knowledge management; ICT and gender equality and development; information systems for governance; and user experience and usability *Due to the global COVID-19 pandemic and the consequential worldwide imposed travel restrictions and lockdown, the I3E 2020 conference event scheduled to take place in Skukuza, South Africa, was unfortunately cancelled.