

# **Electronic Healthcare First International Conference Ehealth 2008 London September 8 9 2008 Revised Selected Papers Lecture Notes Of The And Telecommunications Engineering**

Discusses the main issues, challenges, opportunities, and trends related to this explosive range of new developments and applications, in constant evolution, and impacting every organization and society as a whole. This two volume handbook supports post-graduate students, teachers, and researchers, as well as IT professionals and managers.

This book describes for readers technology used for effective sensing of our physical world and intelligent processing techniques for sensed information, which are essential to the success of the Internet of Things (IoTs). The authors provide a multidisciplinary view of sensor technology from MEMS, biological, chemical, and electrical domains and showcase smart sensor systems in real applications including smart home, transportation, medical, environmental, agricultural, etc. Unlike earlier books on sensors, this book provides a “global” view on smart sensors covering abstraction levels from device, circuit, systems, and algorithms.

eHealth 2008, the First International Conference on Electronic healthcare for the twenty-first century, was held in City University, London, during September 8–9, 2008. The conference was organized as a meeting point for telecare product vendors, policy makers, government ministers, academics, clinicians and all those involved in electronic and mobile health, to examine and to share ideas contributing to the advancement of electronic healthcare into the twenty-first century. The conference had a huge success with a large number of paper submissions. Ninety-seven papers were submitted, of which 32 were selected for presentation. Each paper was carefully reviewed blindly by a minimum of three referees from the respective field. A special thanks should go to the Technical Program Committee for their hard and efficient work in the review process. In addition to the submitted contributions, the conference included a business presentation track with 12 invited talks by key people in the world of eHealth. The business presentation track was chaired by Sir Jonathan Michael (Deputy Director, BT Health). The success of this conference is to be credited to the contribution of many people.

In today’s increasingly interconnected and global society, the protection of basic liberties is an important consideration in public policy and international relations. Profitable social interactions can begin only when a foundation of trust has been laid between two parties. Human Rights and Ethics: Concepts, Methodologies, Tools, and Applications considers some of the most important issues in the ethics of human interaction, whether in business, politics, or science and technology. Covering issues such as cybercrime, bioethics, medical care, and corporate leadership, this four-volume reference work will serve as a crucial resource for leaders, innovators, educators, and other personnel living and working in the modern world.

This book presents original research works by researchers, engineers and practitioners in the field of artificial intelligence and cognitive computing. The book is divided into two parts, the first of which focuses on artificial intelligence (AI), knowledge representation,

planning, learning, scheduling, perception-reactive AI systems, evolutionary computing and other topics related to intelligent systems and computational intelligence. In turn, the second part focuses on cognitive computing, cognitive science and cognitive informatics. It also discusses applications of cognitive computing in medical informatics, structural health monitoring, computational intelligence, intelligent control systems, bio-informatics, smart manufacturing, smart grids, image/video processing, video analytics, medical image and signal processing, and knowledge engineering, as well as related applications.

As the Web allows information sharing, discovery, aggregation, filtering and flow in an unprecedented manner, it also becomes very difficult to identify, reliably, the original source that produced an information item on the Web. Hence, provenance, i.e., the origin or source of something, is becoming an important concern, since it offers the means to verify data products, to infer their quality, to analyse the processes that led to them, and to decide whether they can be trusted. For instance, provenance enables the reproducibility of scientific results; provenance is necessary to track attribution and credit in curated databases; and, it is essential for reasoners to make trust judgements about the information they use over the Semantic Web. Since the emerging use of provenance in niche applications is undoubtedly demonstrating benefits, this survey contends that provenance can and should reliably be tracked and exploited on the Web. The Foundations for Provenance on the Web is aimed at anyone who discovers or publishes information on the Web, and who cares about its origin and its quality. Based on an analysis of literature, this survey puts forward the Open Provenance Vision, a visionary but pragmatic, integrative conceptual framework allowing the provenance of information to be expressed, tracked, and queried seamlessly, as it crosses information systems across the Web. Some foundational work has already resulted in significant advances in semantics, data models and systems, which can underpin this vision. However, some shortcomings inevitably exist and are discussed. For this vision to succeed, it requires a multi-disciplinary approach, since it requires contributions from many computer science sub-disciplines, but also other non technical fields given the human challenge that is anticipated.

Pervasive healthcare is an emerging research discipline, focusing on the development and application of pervasive and ubiquitous computing technology for healthcare and wellness. Pervasive healthcare seeks to respond to a variety of pressures on healthcare systems, including the increased incidence of life-style related and chronic diseases, emerging consumerism in healthcare, need for empowering patients and relatives for self-care and management of their health, and need to provide seamless access for healthcare services, independent of time and place. Pervasive healthcare may be defined from two perspectives. First, it is the development and application of pervasive computing (or ubiquitous computing, ambient intelligence) technologies for healthcare, health and wellness management. Second, it seeks to make healthcare available to anyone, anytime, and anywhere by removing locational, time and other restraints while increasing both the coverage and quality of healthcare. This book proposes to define the emerging area of pervasive health and introduce key management principles, most especially knowledge management, its tools, techniques and technologies. In addition, the book takes a socio-technical, patient-centric approach which serves to emphasize the importance of a key triumvirate in healthcare

management namely, the focus on people, process and technology. Last but not least the book discusses in detail a specific example of pervasive health, namely the potential use of a wireless technology solution in the monitoring of diabetic patients. In the early stages of planning the Third International Conference in System Science in Health Care, the steering committee members, most of whom had participated in the first conference in Paris (1976) and the second in Montreal (1980), made some basic decisions about organization of subject matter. The earlier meetings had been very successful in bringing together specialists from the health professions and the traditional sciences. In addition to physicians and nurses, these were representatives of the disciplines of the behavioral sciences, system theory, economics, engineering, and the emergency fields of management science and informatics -all concerned with the development of health resources in a broad system context. The reported research and experience of the many disciplines represented had dealt with one or more of three concerns: 1) a major health problem, such as cardiovascular disease, or an important population at risk, such as the elderly or children or workers; 2) some generic aspect of organization and decision making, including trial and evaluation of innovative health strategies; and 3) the methodology of research and analysis in system of health service. The challenge to the conference organizers lay in the eliciting and arranging of experiences in such a way that the health services could be seen as purposeful, living, evolving systems.

Autonomous Learning Systems is the result of over a decade of focused research and studies in this emerging area which spans a number of well-known and well-established disciplines that include machine learning, system identification, data mining, fuzzy logic, neural networks, neuro-fuzzy systems, control theory and pattern recognition. The evolution of these systems has been both industry-driven with an increasing demand from sectors such as defence and security, aerospace and advanced process industries, bio-medicine and intelligent transportation, as well as research-driven – there is a strong trend of innovation of all of the above well-established research disciplines that is linked to their on-line and real-time application; their adaptability and flexibility. Providing an introduction to the key technologies, detailed technical explanations of the methodology, and an illustration of the practical relevance of the approach with a wide range of applications, this book addresses the challenges of autonomous learning systems with a systematic approach that lays the foundations for a fast growing area of research that will underpin a range of technological applications vital to both industry and society. Key features: Presents the subject systematically from explaining the fundamentals to illustrating the proposed approach with numerous applications. Covers a wide range of applications in fields including unmanned vehicles/robotics, oil refineries, chemical industry, evolving user behaviour and activity recognition. Reviews traditional fields including clustering, classification, control, fault detection and anomaly detection, filtering and estimation through the prism of evolving and autonomously learning mechanisms. Accompanied by a website hosting additional material, including the software toolbox and lecture notes. Autonomous Learning Systems provides a 'one-stop shop' on the subject for academics, students, researchers and practicing engineers. It is also a valuable reference for Government agencies and software developers.

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.

It is my great pleasure to introduce this special issue of LNSV comprising the scientific publications presented at ehealth 2009: The second Congress on Electronic Healthcare for the 21st Century, which took place in Istanbul, Turkey during September 23–25, 2009. Building on the first ehealth 2008 congress held in London, UK, the key topic of ehealth 2009 was investigating a realistic potential of the Internet in providing evidence-based healthcare information and education to patients and global users. The proudly defined aim of ehealth 2009 — bringing together the three medical sectors: academia, industry and global healthcare institutions — was met and made the congress a truly unique event. The formal and informal discussions among the conference participants led to numerous stimuli for new collaborations. We accepted 26 full and 10 short technical presentations by speakers from all over the world, having received over 80 submissions. In addition to two keynotes, the commercial angle was provided by invited industrial speakers representing a wide range of healthcare IT companies including Corinne Marsolier of Cisco, Glenn Kenneth Bruun (CSAM Health), Luis Falcón (Thymbra) and Johan Muskens (Philips Research Europe), as well as international healthcare organizations such as Med-e-Tel represented by the international coordinator Frederic Lievens.

User-Driven Healthcare: Concepts, Methodologies, Tools, and Applications provides a global discussion on the practice of user-driven learning in healthcare and connected disciplines and its influence on learning through clinical problem solving. This book brings together different perspectives for researchers and practitioners to develop a comprehensive framework of user-driven healthcare.

"This book explores different applications in V & V that spawn many areas of software development -including real time applications- where V & V techniques are required, providing in all cases examples of the applications"--Provided by publisher.

This book features selected research papers presented at the First International Conference on Computing, Communications, and Cyber-Security (IC4S 2019), organized by Northwest Group of Institutions, Punjab, India, Southern Federal University, Russia, and IAC Educational Trust, India along with KEC, Ghaziabad and ITS, College Ghaziabad as an academic partner and held on 12–13 October 2019. It includes innovative work from researchers, leading innovators and professionals in the area of communication and network technologies, advanced computing technologies, data analytics and intelligent learning, the latest electrical and electronics trends, and security and privacy issues.

IT systems for healthcare are a complex and exciting field. On the one hand, there is a vast number of improvements and work alleviations that computers can bring to everyday healthcare. Some ways of treatment, diagnoses and organisational tasks were even made possible by computer usage in the first place. On the other hand, there are many factors that encumber computer usage and make development of IT systems for healthcare a challenging, sometimes even frustrating task. These factors are not solely technology-related, but just as well social or economical conditions. This report describes some of the idiosyncrasies of IT systems in the healthcare domain, with a special focus on legal regulations, standards and security.

Although the standards in electronic health records and general healthcare services continue to evolve, many organizations push to connect interoperability with public service and basic citizenship rights. This poses significant technical and organizational challenges that are the focus of many research and standardization efforts. *Interoperability in Healthcare Information Systems: Standards, Management and Technology* provides a comprehensive collection on the overview of electronic health records and health services interoperability and the different aspects representing its outlook in a framework that is useful for practitioners, researchers, and decision-makers.

The book covers a variety of topics which include data mining and data warehousing, high performance computing, parallel and distributed computing, computational intelligence, soft computing, big data, cloud computing, grid computing, cognitive computing, image processing, computer networks, wireless networks, social networks, wireless sensor networks, information and network security, web security, internet of things, bioinformatics and geoinformatics. The book is a collection of best papers submitted in the First International Conference on Computational Intelligence and Informatics (ICCII 2016) held during 28-30 May 2016 at JNTUH CEH, Hyderabad, India. It was hosted by Department of Computer Science and Engineering, JNTUH College of Engineering in association with Division V (Education & Research) CSI, India.

As citizens, we must all take responsibility for our own health to some extent, and recent developments in medical informatics have provided some valuable new ways to help us do that. This book presents the proceedings of the 2020 Special Topic Conference of the European Federation for Medical Informatics (EFMI STC 2020), held for the first time as a virtual conference on 26 & 27 November 2020, due to restrictions associated with the COVID-19 pandemic. Entitled *Integrated citizen centered digital health and social care – Citizens as data producers and service co-creators*, this conference focused on the citizen-centered aspects of health informatics. This topic provided the opportunity for contributors to present innovative solutions to allow citizens to take greater responsibility for their health with the help of information and communication technology, and the 52 presented papers published here cover a wide range of areas under the broad, invited subject headings of: tools and technologies to support citizen-centered digital services; capacity building to enhance the development and use of digital services; confidentiality, data integrity and data protection to guarantee trustworthy services; citizen safety in digital services; effectiveness and impact of citizen-digital and integrated health and social services; evaluation approaches and methods for digital services; usability, usefulness and user acceptance of digital services; and guidelines for the successful implementation of digital services for citizens. Offering a current overview of research and applications, the book will be of interest to all those health professionals working to increase citizen use of digital healthcare.

"This book shows how the investigation of healthcare databases can be used to examine physician decisions to develop evidence-based treatment guidelines that optimize patient outcomes"--Provided by publisher.

This book constitutes the thoroughly refereed post-conference proceedings of the Third International Conference, eHealth 2010, held in Casablanca, Morocco, in December 2010. The 30 revised full papers presented along with 12 papers from 2 collocated workshops were carefully reviewed and selected from 70 submissions in total and cover a wide range of topics including web intelligence, privacy, trust and security, ontologies and knowledge management, eLearning and education, Web 2.0 and online communications of practice, and performance monitoring and evaluation frameworks for healthcare.

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As information systems become ever more pervasive in an increasing number of fields and professions, workers in healthcare and medicine must take into consideration new advances in technologies and infrastructure that will better enable them to treat their patients and serve their communities. Healthcare Administration: Concepts, Methodologies, Tools, and Applications brings together recent research and case studies in the medical field to explore topics such as hospital management, delivery of patient care, and telemedicine, among others. With a focus on some of the most groundbreaking new developments as well as future trends and critical concerns, this three-volume reference source will be a significant tool for medical practitioners, hospital managers, IT administrators, and others actively engaged in the healthcare field.

The book covers a wide range of topics in Computer Science and Information Technology including swarm intelligence, artificial intelligence, evolutionary algorithms, and bio-inspired algorithms. It is a collection of papers presented at the First International Conference on Intelligent Computing and Communication (ICIC2) 2016. The prime areas of the conference are Intelligent Computing, Intelligent Communication, Bio-informatics, Geo-informatics, Algorithm, Graphics and Image Processing, Graph Labeling, Web Security, Privacy and e-Commerce, Computational Geometry, Service Orient Architecture, and Data Engineering.

This book constitutes the refereed proceedings of the First International Conference on Digital Transformation and Global Society, DTGS 2016, held in St. Petersburg, Russia, in June 2016. The 43 revised full papers and 15 revised short papers, presented together with 3 poster papers and an invited paper were carefully reviewed and selected from 157 submissions. The papers are organized in topical sections on eSociety: New Social Media Studies; eSociety: eGovernment and eParticipation: Perspectives on ICTs in Public Administration and Democracy; eKnowledge: ICTs in Learning and Education Management; eCity: ICTs for Better Urban (Rural) Planning and Living; eHealth: ICTs in Healthcare; eScience: Big Data Complex Calculations.

This book constitutes the thoroughly refereed proceedings of the International Conference on Communication Technologies for Ageing Well and e-Health, ICT4AgeingWell 2015, held in Lisbon, Portugal, in May 2015. The 11 full papers and two invited papers presented were

carefully reviewed and selected from 45 submissions. The papers cover five main topic areas, covering different aspects, including Ambient Assisted Living, Telemedicine and E-Health, Monitoring, Accessibility and User Interfaces, Robotics and Devices for Independent Living and HCI for Ageing Populations.

The book is a collection of peer-reviewed scientific papers submitted by active researchers in the 1st International Conference on Advancements of Medical Electronics (ICAME2015). The conference is organized jointly by the Department of Biomedical Engineering and Electronics and Communication Engineering, JIS College of Engineering, West Bengal, India. The primary objective of the conference is to strengthen interdisciplinary research and its applications for the welfare of humanity. A galaxy of academicians, professionals, scientists, statesman and researchers from different parts of the country and abroad got together and shared their knowledge. The book presents research articles of medical image processing & analysis, biomedical instrumentation & measurements, DSP & clinical applications, embedded systems & its applications in healthcare. The book can be referred as a tool for further research.

This book gathers high-quality papers presented at the First International Conference on Sustainable Technologies for Computational Intelligence (ICTSCI 2019), which was organized by Sri Balaji College of Engineering and Technology, Jaipur, Rajasthan, India, on March 29–30, 2019. It covers emerging topics in computational intelligence and effective strategies for its implementation in engineering applications.

ISDF 2009, the First International Conference on Information Security and Digital Forensics, was held at City University London during September 7-8, 2009. The conference was organized as a meeting point for leading national and international experts of information security and digital forensics. The conference was rewarding in many ways; ISDF 2009 was an exciting and vibrant event, with 4 keynote talks, 25 invited talks and 18 full-paper presentations and those attending had the opportunity to meet and talk with many distinguished people who are responsible for shaping the area of information security. This conference was organized as part of two major research projects funded by the UK Engineering and Physical Sciences Research Council in the areas of Security and Digital Forensics. I would like to thank all the people who contributed to the technical program. The most apparent of these are the Indian delegates who all accepted our invite to give presentations at this conference. Less apparent perhaps is the terrific work of the members of the Technical Program Committee, especially in reviewing the papers, which is a critical and time-consuming task. I would like to thank Raj Rajarajan (City University London) for making the idea of the ISDF 2009 conference a reality with his hard work. Last but not least, I would like to thank all the authors who submitted papers, making the conference possible, and the authors of accepted papers for their cooperation. Dasun Weerasinghe

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.

In addition to creating the opportunity for collaboration, transformation, and innovation in the healthcare industry, technology plays an essential role in the development of human well-being and psychological growth. Handbook of Research on ICTs for Human-Centered Healthcare and Social Services is a comprehensive collection of relevant research on technology and its developments of ICTs in healthcare and social services. This book focuses on the emerging trends in the social and healthcare sectors such as social networks, security of ICTs, and

advisory services, beneficial to researchers, scholars, students, and practitioners to further their interest in technological advancements.

With the growing use of new technologies and artificial intelligence (AI) applications, intelligent systems can be used to manage large amounts of existing data in healthcare domains. Having more intelligent methods for accessing data allows medical professionals to more efficiently identify the best medical practices and more concrete solutions for diagnosing and treating a multitude of rare diseases. Intelligent Systems for Healthcare Management and Delivery provides relevant and advanced methodological, technological, and scientific approaches related to the application of sophisticated exploitation of AI, as well as providing insight into the technologies and intelligent applications that have received growing attention in recent years such as medical imaging, EMR systems, and drug development assistance. This publication fosters a scientific debate for new healthcare intelligent systems and sophisticated approaches for enhanced healthcare services and is ideally designed for medical professionals, hospital staff, rehabilitation specialists, medical educators, and researchers.

The proceeding is a collection of research papers presented at the International Conference on Data Engineering 2013 (DaEng-2013), a conference dedicated to address the challenges in the areas of database, information retrieval, data mining and knowledge management, thereby presenting a consolidated view to the interested researchers in the aforesaid fields. The goal of this conference was to bring together researchers and practitioners from academia and industry to focus on advanced on data engineering concepts and establishing new collaborations in these areas. The topics of interest are as follows but are not limited to: • Database theory • Data management • Data mining and warehousing • Data privacy & security • Information retrieval, integration and visualization • Information system • Knowledge discovery in databases • Mobile, grid and cloud computing • Knowledge-based • Knowledge management • Web data, services and intelligence

Two of the most important developments of this new century are the emergence of cloud computing and big data. However, the uncertainties surrounding the failure of cloud service providers to clearly assert ownership rights over data and databases during cloud computing transactions and big data services have been perceived as imposing legal risks and transaction costs. This lack of clear ownership rights is also seen as slowing down the capacity of the Internet market to thrive. Click-through agreements drafted on a take-it-or-leave-it basis govern the current state of the art, and they do not allow much room for negotiation. The novel contribution of this book proffers a new contractual model advocating the extension of the negotiation capabilities of cloud customers, thus enabling an automated and machine-readable framework, orchestrated by a cloud broker. Cloud computing and big data are constantly evolving and transforming into new paradigms where cloud brokers are predicted to play a vital role as innovation intermediaries adding extra value to the entire life cycle. This evolution will alleviate the legal uncertainties in society by means of embedding legal requirements in the user interface and related computer systems or its code. This book situates the theories of law and economics and behavioral law and economics in the context of cloud computing and takes database rights and ownership rights of data as prime examples to represent the problem of collecting, outsourcing, and sharing data and databases on a global scale. It does this by highlighting the legal constraints concerning ownership rights of data

and databases and proposes finding a solution outside the boundaries and limitations of the law. By allowing cloud brokers to establish themselves in the market as entities coordinating and actively engaging in the negotiation of service-level agreements (SLAs), individual customers as well as small and medium-sized enterprises could efficiently and effortlessly choose a cloud provider that best suits their needs. This approach, which the author calls “plan-like architectures,” endeavors to create a more trustworthy cloud computing environment and to yield radical new results for the development of the cloud computing and big data markets.

This book constitutes the refereed proceedings of the Second International Conference on Distributed, Ambient, and Pervasive Interactions, DAPI 2014, held as part of the 16th International Conference on Human-Computer Interaction, HCII 2014, held in Heraklion, Crete, Greece in June 2014, jointly with 13 other thematically conferences. The total of 1476 papers and 220 posters presented at the HCII 2014 conferences were carefully reviewed and selected from 4766 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 58 papers included in this volume are organized in topical sections on design frameworks and models for intelligent interactive environments; natural interaction; cognitive, perceptual and emotional issues in ambient intelligence; user experience in intelligent environments; developing distributed, pervasive and intelligent environments; smart cities.

Across the country ambulances are turned away from emergency departments (EDs) and patients are waiting hours and sometimes days to be admitted to a hospital room. Hospitals are finding it hard to get specialist physicians to come to treat emergency patients. Our EDs demand a new way of thinking. They are not at a tipping point; they are at a breaking point. Under current loads and trends they are going to begin to break and these breakdowns will be painful and ultimately dangerous to society. Recognizing that the ideal in health care is presently beyond our immediate grasp, this book instead focuses on providing health care leaders with the tools they can employ to optimize the performance of EDs and thereby improve service to patients, employees, and communities. Written by 20 of the most progressive and successful health care reformers in the country, the approaches described can be utilized to quantify improvements, enhance predictability of workflow, and improve staff scheduling. The data derived using these techniques can serve as powerful evidence in support of change. While a common discussion among ED professionals is the perception that many patients are not really emergency patients and could be treated in another setting at another time, that argument is not germane until we as a nation elect to reform the way we chose to deliver healthcare to the underserved. In

the meantime this book provides invaluable information to help individual hospitals to retool their ED's. It offers new approaches that think outside of the box for all stakeholders. It also provides the statistical evidence that administrators need to make their cases for changes and added resources. It will help you forecast the demand for services and give your center an approach that will allow the ED to become a source of income rather than one that continues to hemorrhage needed limited health care funding.

Software applications once held on local computers and servers are beginning to shift to the public Internet sphere, and private health information is no exception. The likelihood of placing once restricted and private health records "in the cloud" is increasing. Cloud Computing Applications for Quality Health Care Delivery focuses on cloud technologies that could affect quality in the healthcare field. Leading experts in this area offer their knowledge and contribute to the demystification of healthcare in the Cloud. This publication will prove to be a useful tool for undergraduate and graduate students of healthcare quality and management, healthcare managers, and industry professionals.

This volume contains 59 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 for Computation, Algorithms and Data Analytics etc.

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