

## Iot Based Smart Home Ijeit

Intelligent Systems Technologies and Applications 2016  
Fundamentals of IoT and Wearable Technology Design  
Ad-hoc, Mobile, and Wireless Networks  
Modeling, Identification and Control Methods in Renewable Energy Systems  
Climate Change and Energy Dynamics in the Middle East  
The Practitioner's Handbook of Project Performance  
Advances in Biometrics  
Handbook of IoT and Big Data  
Rolling Out 5G  
Security and Privacy Trends in the Industrial Internet of Things  
2017 International Conference on Smart Technologies for Smart Nation  
(SmartTechCon)  
Next Generation Sensors and Systems  
Smart Intelligent Computing and Applications  
Recent Findings in Intelligent Computing Techniques  
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Proceedings of the 1st International Conference on Smart Innovation, Ergonomics and Applied Human Factors  
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Localization Algorithms and Strategies for Wireless Sensor Networks: Monitoring and Surveillance Techniques for Target Tracking  
Internet of Things (IoT) Getting Started with Bluetooth Low Energy  
Bringing Thermoelectricity into Reality  
Biomedical Applications Based on Natural and Artificial Computing

### **Intelligent Systems Technologies and Applications 2016**

This book provides a framework for robust and novel biometric techniques, along with implementation and design strategies. The theory, principles, pragmatic and modern methods, and future directions of biometrics are presented, along with in-depth coverage of biometric applications in driverless cars, automated and AI-based systems, IoT, and wearable devices. Additional coverage includes computer vision and pattern recognition, cybersecurity, cognitive computing, soft biometrics, and the social impact of biometric technology. The book will be a valuable reference for researchers, faculty, and practicing professionals working in biometrics and related fields, such as image processing, computer vision, and artificial intelligence. Highlights robust and novel biometrics techniques Provides

implementation strategies and future research directions in the field of biometrics  
Includes case studies and emerging applications

### **Fundamentals of IoT and Wearable Technology Design**

With Bluetooth Low Energy (BLE), smart devices are about to become even smarter. This practical guide demonstrates how this exciting wireless technology helps developers build mobile apps that share data with external hardware, and how hardware engineers can gain easy and reliable access to mobile operating systems. This book provides a solid, high-level overview of how devices use BLE to communicate with each other. You'll learn useful low-cost tools for developing and testing BLE-enabled mobile apps and embedded firmware and get examples using various development platforms—including iOS and Android for app developers and embedded platforms for product designers and hardware engineers. Understand how data is organized and transferred by BLE devices Explore BLE's concepts, key limitations, and network topology Dig into the protocol stack to grasp how and why BLE operates Learn how BLE devices discover each other and establish secure connections Set up the tools and infrastructure for BLE application development Get examples for connecting BLE to iPhones, iPads, Android devices, and sensors Develop code for a simple device that transmits heart rate data to a mobile device

## **Ad-hoc, Mobile, and Wireless Networks**

This book constitutes the thoroughly refereed post-conference proceedings of the 8th International Conference on Wireless Internet, WICON 2014, held in Lisbon, Portugal, in November 2014. The 45 revised full papers were carefully reviewed and selected from numerous submissions. The papers cover topics such as 5G mobile communications, Internet of Things (IoT), super Wi-Fi and V2V/V2I.

## **Modeling, Identification and Control Methods in Renewable Energy Systems**

This book addresses a range of real-world issues including industrial activity, energy management, education, business and health. Today, technology is a part of virtually every human activity, and is used to support, monitor and manage equipment, facilities, commodities, industry, business, and individuals' health, among others. As technology evolves, new applications, methods and techniques arise, while at the same time citizens' expectations from technology continue to grow. In order to meet the nearly insatiable demand for new applications, better performance and higher reliability, trustworthiness, security, and power consumption efficiency, engineers must deliver smart innovations, i.e., must develop the best techniques, technologies and services in a way that respects

human beings and the environment. With that goal in mind, the key topics addressed in this book are: smart technologies and artificial intelligence, green energy systems, aerospace engineering/robotics and IT, information security and mobile engineering, IT in bio-medical engineering and smart agronomy, smart marketing, management and tourism policy, technology and education, and hydrogen and fuel-cell energy technologies.

### **Climate Change and Energy Dynamics in the Middle East**

Written by experts in their area of research, this book has outlined the current status of the fundamentals and analytical concepts, modelling and design issues, technical details and practical applications of different types of sensors and discussed about the trends of next generation of sensors and systems happening in the area of Sensing technology. This book will be useful as a reference book for engineers and scientist especially the post-graduate students find will this book as reference book for their research on wearable sensors, devices and technologies.

### **The Practitioner's Handbook of Project Performance**

The book gathers high-quality research papers presented at the International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2017). It

includes technical sections describing progress in the fields of advanced computing and intelligent engineering, and is primarily intended for postgraduate students and researchers working in Computer Science and Engineering. However, researchers working in Electronics will also find the book useful, as it addresses hardware technologies and next-gen communication technologies.

### **Advances in Biometrics**

Examine the challenges of 4G in the light of impending and crucial future communication needs, and review the lessons learned from an implementation and system operation perspective with an eye towards the next generation – 5G. You'll investigate key changes and additions to 5G in terms of use cases. You'll also learn about the applications for and explorations of the technology. Among all of the technological disruptions, two stand out in particular – mmWave and spectrum sharing technologies. Rolling Out 5G features detailed coverage of these two critical topics, and for the first time among 5G learning resources presents a holistic perspective on key ingredients for mobile communication in a 5G world. The authors represent highly experienced experts with valuable know-how in the field of wireless communications related research projects defining future technological trends. This unique group of talents will be able to consider the 5G technology evolution from all angles mentioned: long-term research, standardization and regulation, product design and marketization. This approach

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allows this much-needed book to capture the views of all key decision making stake-holders involved in the 5G definition process, and to serve readers in their roles connected with wireless communication's next generation of products and services. What You'll Learn See how 5G is expected to overcome 4G insufficiencies and challenges Examine expected 5G features, including usage of millimeter wave communication and licensed shared access Review key milestones of the next generation wireless communication technology including key standardization and regulation bodies Study new technologies and upcoming changes in feature sets and client expectations. Who This Book Is For Engineers of mobile device and infrastructure manufacturing industries, development engineers of semiconductor manufacturing industries, and engineers with a general interest in the field. Mobile network operators, along with students and business professionals in the telecommunications domain will also find the topic of interest.

### **Handbook of IoT and Big Data**

With technically co sponsored by IEEE ComSoc(Communications Society), IEEE ComSoc CISTC(Communications & Information Security Technical Community), and IEEE ComSoc ONTC(Optical Networking Technical Community), the ICACT(International Conference on Advanced Communications Technology) Conference has been providing an open forum for scholars, researchers, and engineers to the extensive exchange of information on newly emerging

technologies, standards, services, and applications in the area of the advanced communications technology. The conference official language is English. All the presented papers have been published in the Conference Proceedings, and posted on the ICACT Website and IEEE Xplore Digital Library since 2004. The honorable ICACT Outstanding Paper Award list has been posted on the IEEE Xplore Digital Library also, and all the Outstanding papers are subjected to the invited paper of the ICACT Transactions on the Advanced Communications Technology Journal issued by

### **Rolling Out 5G**

Computational Science and Engineering contains peer-reviewed research presented at the International Conference on Computational Science and Engineering (RCC Institute of Information Technology, Kolkata, India, 4-6 October 2016). The contributions cover a wide range of topics: - electronic devices - photonics - electromagnetics - soft computing - artificial intelligence - modern communication systems. Focussing on strong theoretical and methodological approaches and applications, Computational Science and Engineering will be of interest to academia and professionals involved or interested in the above mentioned domains.

## **Security and Privacy Trends in the Industrial Internet of Things**

The disproportionate use of fossil fuels has turned into a serious environmental issue. Thus, we are encountering one of the biggest challenges of the twenty-first century, satisfying the energy demand with respect to the environment.

Thermoelectricity is an emerging technology, which contributes to reducing the impact of the use of traditional technologies, harvesting the waste heat, and eliminating the use of refrigerants. The book *Bringing Thermoelectricity into Reality* covers the current thermoelectric investigations: the study of novel thermoelectric materials, the development of computational models, the design of proper assemblies, and the optimization of thermal designs, as well as novel thermoelectric generators, coolers, and heating applications. This book looks for the definitive thermoelectric applications applied to everyday life.

## **2017 International Conference on Smart Technologies for Smart Nation (SmartTechCon)**

This open access book was prepared as a Final Publication of the COST Action IC1303 “Algorithms, Architectures and Platforms for Enhanced Living Environments (AAPELE)”. The concept of Enhanced Living Environments (ELE) refers to the area of Ambient Assisted Living (AAL) that is more related with Information and

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Communication Technologies (ICT). Effective ELE solutions require appropriate ICT algorithms, architectures, platforms, and systems, having in view the advance of science and technology in this area and the development of new and innovative solutions that can provide improvements in the quality of life for people in their homes and can reduce the financial burden on the budgets of the healthcare providers. The aim of this book is to become a state-of-the-art reference, discussing progress made, as well as prompting future directions on theories, practices, standards, and strategies related to the ELE area. The book contains 12 chapters and can serve as a valuable reference for undergraduate students, post-graduate students, educators, faculty members, researchers, engineers, medical doctors, healthcare organizations, insurance companies, and research strategists working in this area.

### **Next Generation Sensors and Systems**

This book, written by leaders in the protection field of critical infrastructures, provides an extended overview of the technological and operative advantages together with the security problems and challenges of the new paradigm of the Internet of Things in today's industry, also known as the Industry Internet of Things (IIoT). The incorporation of the new embedded technologies and the interconnected networking advances in the automation and monitoring processes, certainly multiplies the functional complexities of the underlying control system,

whilst increasing security and privacy risks. The critical nature of the application context and its relevance for the well-being of citizens and their economy, attracts the attention of multiple, advanced attackers, with stealthy abilities to evade security policies, ex-filter information or exploit vulnerabilities. Some real-life events and registers in CERTs have already clearly demonstrated how the control industry can become vulnerable to multiple types of advanced threats whose focus consists in hitting the safety and security of the control processes. This book, therefore, comprises a detailed spectrum of research papers with highly analytical content and actuation procedures to cover the relevant security and privacy issues such as data protection, awareness, response and resilience, all of them working at optimal times. Readers will be able to comprehend the construction problems of the fourth industrial revolution and are introduced to effective, lightweight protection solutions which can be integrated as part of the new IIoT-based monitoring ecosystem.

### **Smart Intelligent Computing and Applications**

The 2009 International Symposium on Rule Interchange and Applications (RuleML 2009), collocated in Las Vegas, Nevada, with the 12th International Business Rules Forum, was the premier place to meet and to exchange ideas from all fields of rules technologies. The aims of RuleML 2009 were both to present new and interesting research results and to show successfully deployed rule-

based applications. This annual symposium is the flagship event of the Rule Markup and Modeling Initiative (RuleML). The RuleML Initiative ([www.ruleml.org](http://www.ruleml.org)) is a non-profit umbrella organization of several technical groups organized by representatives from academia, industry and public sectors working on rule technologies and applications. Its aim is to promote the study, research and application of rules in heterogeneous distributed environments such as the Web. RuleML maintains effective links with other major international societies and acts as intermediary between various 'specialized' rule vendors, applications, industrial and academic research groups, as well as standardization efforts from, for example, W3C, OMG, and OASIS. To emphasize the importance of rule standards RuleML 2009 featured, besides a number of tutorials on various rule aspects, a tutorial and a workshop dedicated to the newly released W3C Rule Interchange Format (RIF).

### **Recent Findings in Intelligent Computing Techniques**

This multi-contributed handbook focuses on the latest workings of IoT (internet of Things) and Big Data. As the resources are limited, it's the endeavor of the authors to support and bring the information into one resource. The book is divided into 4 sections that covers IoT and technologies, the future of Big Data, algorithms, and case studies showing IoT and Big Data in various fields such as health care, manufacturing and automation. Features Focuses on the latest workings of IoT and

Big Data Discusses the emerging role of technologies and the fast-growing market of Big Data Covers the movement toward automation with hardware, software, and sensors, and trying to save on energy resources Offers the latest technology on IoT Presents the future horizons on Big Data

### **Emerging Trends in Expert Applications and Security**

"It is stunningly thorough and takes readers meticulously through the design, configuration and operation of IPv6-based, low-power, potentially mobile radio-based networking." Vint Cerf, Vice President and Chief Internet Evangelist, Google This book provides a complete overview of IPv6 over Low Power Wireless Area Network (6LoWPAN) technology In this book, the authors provide an overview of the 6LoWPAN family of standards, architecture, and related wireless and Internet technology. Starting with an overview of the IPv6 'Internet of Things', readers are offered an insight into how these technologies fit together into a complete architecture. The 6LoWPAN format and related standards are then covered in detail. In addition, the authors discuss the building and operation of 6LoWPAN networks, including bootstrapping, routing, security, Internet integration, mobility and application protocols. Furthermore, implementation aspects of 6LoWPAN are covered. Key Features: Demonstrates how the 6LoWPAN standard makes the latest Internet protocols available to even the most minimal embedded devices over low-rate wireless networks Provides an overview of the 6LoWPAN standard,

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architecture and related wireless and Internet technology, and explains the 6LoWPAN protocol format in detail. Details operational topics such as bootstrapping, routing, security, Internet integration, mobility and application protocols. Written by expert authors with vast experience in the field (industrial and academic). Includes an accompanying website containing tutorial slides, course material and open-source code with examples (<http://6lowpan.net> ). 6LoWPAN: The Wireless Embedded Internet is an invaluable reference for professionals working in fields such as telecommunications, control, and embedded systems. Advanced students and teachers in electrical engineering, information technology and computer science will also find this book useful.

### **ICT for Competitive Strategies**

This three volume book contains the Proceedings of 5th International Conference on Advanced Computing, Networking and Informatics (ICACNI 2017). The book focuses on the recent advancement of the broad areas of advanced computing, networking and informatics. It also includes novel approaches devised by researchers from across the globe. This book brings together academic scientists, professors, research scholars and students to share and disseminate information on knowledge and scientific research works related to computing, networking, and informatics to discuss the practical challenges encountered and the solutions adopted. The book also promotes translation of basic research into applied

investigation and convert applied investigation into practice.

### **Proceedings of the 1st International Conference on Smart Innovation, Ergonomics and Applied Human Factors (SEAHF)**

This book's objective is to explore the concepts and applications related to Internet of Things with the vision to identify and address existing challenges. Additionally, the book provides future research directions in this domain, and explores the different applications of IoT and its associated technologies. Studies investigate applications for crowd sensing and sourcing, as well as smart applications to healthcare solutions, agriculture and intelligent disaster management. This book will appeal to students, practitioners, industry professionals and researchers working in the field of IoT and its integration with other technologies to develop comprehensive solutions to real-life problems.

### **6LoWPAN**

This book constitutes the refereed proceedings of the 16th International Conference on Ad-hoc, Mobile, and Wireless Networks, ADHOC-NOW 2017, held in Messina, Italy, in September 2017. The 22 full and 9 short papers presented in this volume were carefully reviewed and selected from 55 submissions. The

contributions were organized in topical sections named: internet of things; security; smart city; ad-hoc networks; implementations and validations; wireless sensor networks; data management; wireless systems.

### **Aerodynamics**

This book comprehensively describes an end-to-end Internet of Things (IoT) architecture that is comprised of devices, network, compute, storage, platform, applications along with management and security components. It is organized into five main parts, comprising of a total of 11 chapters. Part I presents a generic IoT reference model to establish a common vocabulary for IoT solutions. This includes a detailed description of the Internet protocol layers and the Things (sensors and actuators) as well as the key business drivers to realize the IoT vision. Part II focuses on the IoT requirements that impact networking protocols and provides a layer-by-layer walkthrough of the protocol stack with emphasis on industry progress and key gaps. Part III introduces the concept of Fog computing and describes the drivers for the technology, its constituent elements, and how it relates and differs from Cloud computing. Part IV discusses the IoT services platform, the cornerstone of the solution followed by the Security functions and requirements. Finally, Part V provides a treatment of the topic of connected ecosystems in IoT along with practical applications. It then surveys the latest IoT standards and discusses the pivotal role of open source in IoT. “Faculty will find

well-crafted questions and answers at the end of each chapter, suitable for review and in classroom discussion topics. In addition, the material in the book can be used by engineers and technical leaders looking to gain a deep technical understanding of IoT, as well as by managers and business leaders looking to gain a competitive edge and understand innovation opportunities for the future.” Dr. Jim Spohrer, IBM “This text provides a very compelling study of the IoT space and achieves a very good balance between engineering/technology focus and business context. As such, it is highly-recommended for anyone interested in this rapidly-expanding field and will have broad appeal to a wide cross-section of readers, i.e., including engineering professionals, business analysts, university students, and professors.” Professor Nasir Ghani, University of South Florida

## **Computational Science and Engineering**

International Conference on Recent Innovations in Electrical, Electronics & Communication Engineering ICRIEEECE is Related to Electrical, Electronics and Communication engineering It is not confined to a specific topic or region, you can exhibit your ideas in similar or mixed or related technologies bloomed from anywhere around the world because An idea can change the future and its implementation can build it

## **Enhanced Living Environments**

This book constitutes the proceedings of the 11th International Conference on Internet and Distributed Computing Systems, IDCS 2018, held in Tokyo, Japan, in October 2018. The 21 full papers presented together with 5 poster and 2 short papers in this volume were carefully reviewed and selected from 40 submissions. This conference desired to look for inspiration in diverse areas (e.g., infrastructure and system design, software development, big data, control theory, artificial intelligence, IoT, self-adaptation, emerging models, paradigms, applications and technologies related to Internet-based distributed systems) to develop new ways to design and manage such complex and adaptive computation resources.

## **2017 19th International Conference on Advanced Communication Technology (ICACT)**

Fourth International Conference on Information and Communication Technology for Competitive Strategies targets state-of-the-art as well as emerging topics pertaining to information and communication technologies (ICTs) and effective strategies for its implementation for engineering and intelligent applications.

## **2019 2nd International Conference on Engineering Technology**

## **and Its Applications (IICETA)**

This edited volume presents chapters on the dynamics of global climate change and global warming in the Middle East. In this region, it should be noted that even slightly warmer weather can result in an increased demand of energy along with its lower supply, as well as lower labor productivity. This text focuses on modeling, simulation, system dynamics, and agent-based modeling in dealing with these issues. The latest decision making tools, techniques, and innovative solutions used to overcome these challenges are presented. Many distinguished researchers contribute their work herein. The audience for this volume includes policy makers, researchers, and students unified by the common goal of making better decisions in the sustainable production and consumption of energy. The practical orientation of the chapters within each part is intended to suit the practitioners: managers and decision makers in the energy sector of the Middle East region.

## **Wireless Internet**

The aim of this book is to stimulate research on the topic of the Social Internet of Things, and explore how Internet of Things architectures, tools, and services can be conceptualized and developed so as to reveal, amplify and inspire the capacities of people, including the socialization or collaborations that happen

through or around smart objects and smart environments. From new ways of negotiating privacy, to the consequences of increased automation, the Internet of Things poses new challenges and opens up new questions that often go beyond the technology itself, and rather focus on how the technology will become embedded in our future communities, families, practices, and environment, and how these will change in turn.

### **Internet and Distributed Computing Systems**

Internet of Things (IoT) is a recent technology paradigm that creates a global network of machines and devices that are capable of communicating with each other. Security cameras, sensors, vehicles, buildings, and software are examples of devices that can exchange data between each other. IoT is recognized as one of the most important areas of future technologies and is gaining vast recognition in a wide range of applications and fields related to smart homes and cities, military, education, hospitals, homeland security systems, transportation and autonomous connected cars, agriculture, intelligent shopping systems, and other modern technologies. This book explores the most important IoT automated and smart applications to help the reader understand the principle of using IoT in such applications.

## **Social Internet of Things**

Most of the research and experiments in the fields of modeling and control systems have spent significant efforts to find rules from various complicated phenomena by principles, observations, measured data, logic derivations. The rules are normally summarized as concise and quantitative expressions or “models”. “Identification” provides mechanisms to establish the models and “control” provides mechanisms to improve system performances. This book reflects the relevant studies and applications in the area of renewable energies, with the latest research from interdisciplinary theoretical studies, computational algorithm development to exemplary applications. It discusses how modeling and control methods such as recurrent neural network, Pitch Angle Control, Fuzzy control, Sliding Mode Control and others are used in renewable systems. It covers topics as photovoltaic systems, wind turbines, maximum power point tracking, batteries for renewable energies, solar energy, thermal energy and so on. This book is edited and written by leading experts in the field and offers an ideal reference guide for researchers and engineers in the fields of electrical/electronic engineering, control system and energy.

## **2018 International Conference on Recent Innovations in Electrical, Electronics and Communication Engineering**

### **(ICRIEECE)**

The book covers current developments in the field of expert applications and security, which employ advances of next-generation communication and computational technology to shape real-world applications. It gathers selected research papers presented at the ICETEAS 2018 conference, which was held at Jaipur Engineering College and Research Centre, Jaipur, India, on February 17-18, 2018. Key topics covered include expert applications and artificial intelligence; information and application security; advanced computing; multimedia applications in forensics, security and intelligence; and advances in web technologies: implementation and security issues.

### **Internet of Things From Hype to Reality**

Wireless localization techniques are an area that has attracted interest from both industry and academia, with self-localization capability providing a highly desirable characteristic of wireless sensor networks. Localization Algorithms and Strategies for Wireless Sensor Networks encompasses the significant and fast growing area of wireless localization techniques. This book provides comprehensive and up-to-date coverage of topics and fundamental theories underpinning measurement techniques and localization algorithms. A useful compilation for academicians,

researchers, and practitioners, this Premier Reference Source contains relevant references and the latest studies emerging out of the wireless sensor network field.

### **Smart Intelligent Computing and Applications**

This volume comprises select papers from the International Conference on Microelectronics, Computing & Communication Systems(MCCS 2015). Electrical, Electronics, Computer, Communication and Information Technology and their applications in business, academic, industry and other allied areas. The main aim of this volume is to bring together content from international scientists, researchers, engineers from both academia and the industry. The contents of this volume will prove useful to researchers, professionals, and students alike.

### **Rule Interchange and Applications**

Charming, reader-friendly chronicle by a famous pioneer in aerodynamic research traces the development of dynamic flight from the time of Newton through the 20th century. It recounts struggles of engineers and physicists with problems associated with lift, drag, stability, aeroelasticity, and the sound barrier. 72 figures. 1957 edition.

## **Progress in Advanced Computing and Intelligent Engineering**

The goal of SmartTechCon 2017 is to provide an outstanding forum for researchers, practitioners, policy makers, and users to exchange ideas, techniques and tools, raise awareness, and share experience related to all practical and theoretical aspects of Smart Technologies SmartTechCon 2017 will feature a comprehensive technical program including several special sessions symposiums and a number of short courses

## **Ubiquitous Computing and Computing Security of IoT**

The two volumes LNCS 10337 and 10338 constitute the proceedings of the International Work-Conference on the Interplay Between Natural and Artificial Computation, IWINAC 2017, held in Corunna, Spain, in June 2017. The total of 102 full papers was carefully reviewed and selected from 194 submissions during two rounds of reviewing and improvement. The papers are organized in two volumes, one on natural and artificial computation for biomedicine and neuroscience, addressing topics such as theoretical neural computation; models; natural computing in bioinformatics; physiological computing in affective smart environments; emotions; as well as signal processing and machine learning applied to biomedical and neuroscience applications. The second volume deals with

biomedical applications, based on natural and artificial computing and addresses topics such as biomedical applications; mobile brain computer interaction; human robot interaction; deep learning; machine learning applied to big data analysis; computational intelligence in data coding and transmission; and applications.

### **Internet of Things (IoT) for Automated and Smart Applications**

The proceedings covers advanced and multi-disciplinary research on design of smart computing and informatics. The theme of the book broadly focuses on various innovation paradigms in system knowledge, intelligence and sustainability that may be applied to provide realistic solution to varied problems in society, environment and industries. The volume publishes quality work pertaining to the scope of the conference which is extended towards deployment of emerging computational and knowledge transfer approaches, optimizing solutions in varied disciplines of science, technology and healthcare.

### **Intelligent Computing and Information and Communication**

This book provides a comprehensive guide to the design and prototyping of wearable technology and internet of things (IoT), in addition to their various components, applications, and practical considerations. The book also offers

detailed design and prototyping of vital examples of these technologies covering all practical considerations. The authors begin with an introduction and brief history of wearable tech and IoT. They then move on to describe applications of the technology in the fields of biomedicine, civil defense, education, and more. This is followed by a review of electronic and digital circuits and other critical components. Later chapters discuss product development, security and privacy concerns, and software development.

### **Proceedings of the International Conference on Microelectronics, Computing & Communication Systems**

Practitioners operate in a necessary reality. We work in a space where project performance is above theory or methodology. In the best environments, delivery and an affirmative culture are what matter most. In the worst, it is politics and survival. In any environment we are challenged to adopt best practices and adapt our style to the environment in which the project is occurring. This is a book about those best practices and practitioner experiences. It is a must have reference and guide book for project managers, general managers, business leaders and project management researchers. This book is the result of the hard work and dedication of more than 35 authors from more than 15 countries across four continents. It brings a diversity of experience, professional and personal. It includes

practitioners, leading academics, renowned theorists and many who straddle those roles. The chapters cover experiences in software, large scale infrastructure projects, finance and health care, to name a few. The chapters themselves take many forms. Check out the table of contents to get a deeper sense of the topics included. All provide real-world guidance on delivering high performing projects and show you how to build, lead and manage high performing teams. The Practitioners Handbook of Project Performance is complete in itself. It can also be an enticing start to an ongoing dialogue with the authors and a pleasurable path to get deeper into the subject of project performance. Find your favorite place to begin learning from these chapters, to begin taking notes and taking away nuggets to use in your everyday. But don't stop there. Contact information and further resources for this diverse team of experts authors are found throughout. The Practitioners Handbook is a modern guide to the leading edge of project performance management and a path to the future of project delivery.

### **Localization Algorithms and Strategies for Wireless Sensor Networks: Monitoring and Surveillance Techniques for Target Tracking**

The 2nd IICETA 2019 aims to bring together leading academic scientists, researchers to exchange and share their experiences It is also provides the

premier multidisciplinary forum for researchers to present and discuss the most recent innovations, trends and concerns in the fields of Emerging Engineering and Technology

### **Internet of Things (IoT)**

The proceedings covers advanced and multi-disciplinary research on design of smart computing and informatics. The theme of the book broadly focuses on various innovation paradigms in system knowledge, intelligence and sustainability that may be applied to provide realistic solution to varied problems in society, environment and industries. The volume publishes quality work pertaining to the scope of the conference which is extended towards deployment of emerging computational and knowledge transfer approaches, optimizing solutions in varied disciplines of science, technology and healthcare.

### **Getting Started with Bluetooth Low Energy**

This book constitutes the thoroughly refereed proceedings of the second International Symposium on Intelligent Systems Technologies and Applications (ISTA'16), held on September 21-24, 2016 in Jaipur, India. The 80 revised papers presented were carefully reviewed and selected from 210 initial submissions and

are organized in topical sections on image processing and artificial vision, computer networks and distributed systems, intelligent tools and techniques and applications using intelligent techniques.

### **Bringing Thermoelectricity into Reality**

This provides a comprehensive overview of the key principles of security concerns surrounding the upcoming Internet of Things (IoT), and introduces readers to the protocols adopted in the IoT. It also analyses the vulnerabilities, attacks and defense mechanisms, highlighting the security issues in the context of big data. Lastly, trust management approaches and ubiquitous learning applications are examined in detail. As such, the book sets the stage for developing and securing IoT applications both today and in the future.

### **Biomedical Applications Based on Natural and Artificial Computing**

The volume presents high quality research papers presented at Second International Conference on Information and Communication Technology for Intelligent Systems (ICICC 2017). The conference was held during 2-4 August 2017, Pune, India and organized communally by Dr. Vishwanath Karad MIT World Peace

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University, Pune, India at MIT College of Engineering, Pune and supported by All India Council for Technical Education (AICTE) and Council of Scientific and Industrial Research (CSIR). The volume contains research papers focused on ICT for intelligent computation, communications and audio, and video data processing.

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