

Singapore International Physiotherapy Congress 2018

If you ally need such a referred **Singapore International Physiotherapy Congress 2018** ebook that will present you worth, acquire the unquestionably best seller from us currently from several preferred authors. If you desire to humorous books, lots of novels, tale, jokes, and more fictions collections are next launched, from best seller to one of the most current released.

You may not be perplexed to enjoy every book collections Singapore International Physiotherapy Congress 2018 that we will categorically offer. It is not regarding the costs. Its very nearly what you craving currently. This Singapore International Physiotherapy Congress 2018 , as one of the most working sellers here will definitely be in the midst of the best options to review.

Healthcare Education in Nigeria - Joseph A. Balogun 2020-12-30

This book provides a comprehensive and authoritative assessment of the training of health professionals in Nigeria, looking back to how

health care education has evolved in the country over time, before investigating new and emerging trends. The book begins with a discussion of the fundamentals of health care education, the art of teaching health care

students, and modeling professionalism in health care. The book highlights the work of pioneer Nigerian health care academics, and explores the administration of health care education at departmental level. Finally, it highlights the role of elite Nigerian health care academics in the diaspora, chronicles contemporary challenges in health care education, and makes recommendations for reform. This book will be of interest to students, scholars, and practitioners working on health care education in Africa.

Frontiers in Neurorobotics - Editor's Pick 2021 - Florian Röhrbein 2021-06-24

Advances in Electronics Engineering - Zahriladha Zakaria 2019-12-16

This book presents the proceedings of ICCEE 2019, held in Kuala Lumpur, Malaysia, on 29th-30th April 2019. It includes the latest advances in electrical engineering and electronics from leading experts around the globe.

Social Robotics - Haizhou Li 2021-11-01

This book constitutes the refereed proceedings of the 13th International Conference on Social Robotics, ICSR 2021, held in Singapore, Singapore, in November 2021. The conference was held as a hybrid event. The 64 full papers and 15 short papers presented were carefully reviewed and selected from 114 submissions. The conference presents topics on humans and intelligent robots and on the integration of robots into the fabric of our society. The theme of the 2021 edition was "Robotics in our everyday lives", emphasizing on the increasing importance of robotics in human daily living.

Pediatric Neurology Editor's Pick 2021 - Jo Madeleine Wilmshurst 2021-08-31

Exoskeleton Robots for Rehabilitation and Healthcare Devices - Manuel Cardona 2020-05-26

This book addresses cutting-edge topics in robotics and related technologies for rehabilitation, covering basic concepts and

providing the reader with the information they need to solve various practical problems. Intended as a reference guide to the application of robotics in rehabilitation, it covers e.g. musculoskeletal modelling, gait analysis, biomechanics, robotics modelling and simulation, sensors, wearable devices, and the Internet of Medical Things.

XXVI Brazilian Congress on Biomedical Engineering - Rodrigo Costa-Felix 2019-06-03

This volume presents the proceedings of the Brazilian Congress on Biomedical Engineering (CBEB 2018). The conference was organised by the Brazilian Society on Biomedical Engineering (SBEB) and held in Armação de Buzios, Rio de Janeiro, Brazil from 21-25 October, 2018. Topics of the proceedings include these 11 tracks: • Bioengineering • Biomaterials, Tissue Engineering and Artificial Organs • Biomechanics and Rehabilitation • Biomedical Devices and Instrumentation • Biomedical Robotics, Assistive Technologies and Health Informatics • Clinical

Engineering and Health Technology Assessment
• Metrology, Standardization, Testing and Quality in Health • Biomedical Signal and Image Processing • Neural Engineering • Special Topics
• Systems and Technologies for Therapy and Diagnosis

Computer Vision and Machine Intelligence Paradigms for SDGs - R. Jagadeesh Kannan
2023-01-01

This book constitutes refereed proceedings of the 4th International Conference on Recent Trends in Advanced Computing - Computer Vision and Machine Intelligence Paradigms for Sustainable Development Goals. This book covers novel and state-of-the-art methods in computer vision coupled with intelligent techniques including machine learning, deep learning, and soft computing techniques. The contents of this book will be useful to researchers from industry and academia. This book includes contemporary innovations, trends, and concerns in computer vision with recommended solutions to real-world

problems adhering to sustainable development from researchers across industry and academia. This book serves as a valuable reference resource for academics and researchers across the globe.

Proceedings of Fifth International Congress on Information and Communication Technology - Xin-She Yang 2020-10-21

This book gathers selected high-quality research papers presented at the Fifth International Congress on Information and Communication Technology, held at Brunel University, London, on February 20–21, 2020. 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.

Recent Trends in Mechatronics Towards

Industry 4.0 - Ahmad Fakhri Ab. Nasir
2021-07-15

This book presents part of the iM3F 2020 proceedings from the Mechatronics track. It highlights key challenges and recent trends in mechatronics engineering and technology that are non-trivial in the age of Industry 4.0. It discusses traditional as well as modern solutions that are employed in the multitude spectra of mechatronics-based applications. The readers are expected to gain an insightful view on the current trends, issues, mitigating factors as well as solutions from this book.

2nd International Conference for Innovation in Biomedical Engineering and Life Sciences

- Fatimah Ibrahim 2017-12-06

This volume presents the proceedings of ICIBEL 2017, organized by the Centre for Innovation in Medical Engineering (CIME) under Innovative Technology Research Cluster, University of Malaya. It was held in George Town, Penang, Malaysia, from 10-13 December 2017. The ICIBEL

2017 conference promotes the latest research and developments related to the integration of the Engineering technology in medical fields and life sciences. This includes the latest innovations, research trends and concerns, challenges and adopted solution in the field of medical engineering and life sciences.

Proceedings of 6th International Conference and Exhibition on Cell and Gene Therapy 2018 - ConferenceSeries

Mar 27-28, 2017 Madrid, Spain Key Topics : Cell Therapy, Cellular Therapy Technologies, Cell Therapy of Cardiovascular Disorders, Cell Therapy for Cancer, Cell Culture & Bioprocessing:, Cell Science & Stem Cell Research:, Cell Line Development, Tissue Science & Regenerative Medicine, Gene Therapy, Viral gene therapy, Diabetis Gene Therapy, Vectors for Gene Therapy, Molecular Epigenetics, Genetics & Genomic Medicine, Gene Therapy Commercialization, Clinical trials in cell and gene therapy, Gene Therapy for rare & Common

Diseases, Gene Editing Technology, Cell Therapy for Neurological Disorders, Ethical Issues in Cell & Gene Therapy, Regulatory & Safety Aspects of Cell & Gene Therapy, Clinical Trails on Cell & Gen Therapy, Markets & Future Prospects for Cell & Gene Therapy, Cell & Gene Therapy Products, *Somatosensory Integration in Human Movement: Perspectives for Neuromechanics, Modelling and Rehabilitation* - Leonardo Gizzi 2021-09-14

Proceedings of the 7th International Conference on Kansei Engineering and Emotion Research 2018 - Anitawati Mohd Lokman 2018-03-13
The proceedings gather a selection of refereed papers presented at the 7th International Conference on Kansei Engineering and Emotion Research 2018 (KEER 2018), which was held in Kuching, Malaysia from 19 to 22 March 2018. The contributions address the latest advances in and innovative applications of Kansei Engineering and Emotion Research. The subjects include: Kansei, Emotion and Games Kansei, Emotion and

Computing Kansei, Emotion and Wellbeing / Quality of Life Kansei, Emotion and Design Kansei, Emotion and Health / Ergonomics Kansei, Emotion and Multidisciplinary Fields Kansei, Emotion and Culture Kansei, Emotion and Social computing Kansei, Emotion and Evaluation Kansei, Emotion and User Experience The book offers a valuable resource for all graduate students, experienced researchers and industrial practitioners interested in the fields of user experience/usability, engineering design, human factors, quality management, product development and design.

Prognostic Models in Healthcare: AI and Statistical Approaches - Tanzila Saba

2022-07-06

This book focuses on contemporary technologies and research in computational intelligence that has reached the practical level and is now accessible in preclinical and clinical settings. This book's principal objective is to thoroughly understand significant technological

breakthroughs and research results in predictive modeling in healthcare imaging and data analysis. Machine learning and deep learning could be used to fully automate the diagnosis and prognosis of patients in medical fields. The healthcare industry's emphasis has evolved from a clinical-centric to a patient-centric model. However, it is still facing several technical, computational, and ethical challenges. Big data analytics in health care is becoming a revolution in technical as well as societal well-being viewpoints. Moreover, in this age of big data, there is increased access to massive amounts of regularly gathered data from the healthcare industry that has necessitated the development of predictive models and automated solutions for the early identification of critical and chronic illnesses. The book contains high-quality, original work that will assist readers in realizing novel applications and contexts for deep learning architectures and algorithms, making it an indispensable reference guide for academic

researchers, professionals, industrial software engineers, and innovative model developers in healthcare industry.

Consumer Happiness: Multiple Perspectives -
Tanusree Dutta 2021-05-05

This book helps quench the quest of knowledge of academicians, researchers, and others interested in developing a complete and critical understanding of consumer happiness. The relentless search of happiness by humans is sought in different ways. Scientific discussion on happiness for long was considered a forte of Philosophers. Other disciplines seldom delved into this. But today not only science but neuroscience, marketing, and other varied fields have started delving into it and have developed a keen interest. The book has been conceptualized on this line of thinking and thus divided into two parts. The first part is customized towards understanding various perspectives of happiness and the relative importance of knowing the same. The first chapter of this section is on the

biological perspective of happiness. The second is titled 'Behavioural perspective'. The third chapter is an attempt to elucidate the cultural perspective of the concept of happiness. The fourth is on the role of technology in inducing happiness. Fifth and sixth are on theories of happiness and measuring happiness, respectively. Knowledge about the different perspective and theories has a wide range of benefits. It informs us about how the brain works, interprets, and reacts. This theoretical understanding helps us to move beyond the trial and error methods towards a more scientific underpinning of adoption of measures that would generate long-lasting happiness in consumers. The second part of the book is dedicated toward understanding consumer happiness from a neuroscience perspective, i.e. keeping consumer happy. This segment has ten chapters. The first is on differentiating the concept of happiness from satisfaction. The second is on sensory marketing and happiness. The third deals with

the store design and shelving of products to generate happiness. Fourth and fifth chapters relate to persuading the consumers. While the fourth chapter is on developing persuasive messages and the fifth is on subliminal messaging sixth chapter is on pricing and seventh on advertising. The eighth chapter highlights the role of emotions and the ninth is on the different factors that induce happiness in consumers. The last chapter is about raising some unanswered questions and food for thought for readers. Together the contents of the book make for a complete understanding of the concept of happiness and how it is shaping the world of marketing. Addressing the 'what' and 'how' of consumer happiness in the same book makes the book comprehensive.

Proceedings of 7th International Conference on Geriatrics Gerontology & Palliative Nursing 2017 - ConferenceSeries
September 4-5, 2017 Edinburgh, Scotland
Key Topics : Geriatrics, Geriatrics and Gerontological

Nursing, Geriatrics and Elderly Care, Geriatrics and Geriatric Medicine, Geriatrics and Ageing Biology, Geriatrics and Elder Abuse, Geriatrics and Neurological Disorders, Geriatrics and Geriatric Services, Geriatric Case Studies, Geriatrics and Dementia, Geriatric care Management, Geriatrics and Geriatric Nutrition, Geriatrics and End of Life Care, Entrepreneur Investment Meet, Palliative Care and Nursing, *Rehabilitation Robotics: Challenges in Design, Control, and Real Applications* - Francisco Romero Sánchez 2022-08-31

Creative Teachers - Dennis Sale 2020-03-05
This book offers teaching/training professionals an evidence-based pedagogic guide to teaching effectively, efficiently and creatively – also known as Creative Teaching Competence. Firstly it summarizes the extensive research on human psychological functioning relating to learning and how this can be fully utilized in the design and facilitation of quality learning experiences that

maximize attainment and engagement opportunities. Secondly, it demonstrates what creativity actually 'looks like' in terms of specific teaching practices, modeling the underpinning processes (syntax) of creative learning design. It then establishes Metacognitive Capability as the superordinate twenty-first century competency; in that this unique human attribute can significantly enhance the cognitive and motivational strategies essential for facilitating self-directed learning and wellbeing. The book helps teaching/training professionals to thoughtfully apply evidence-based knowledge and strategies to today's challenges, such as developing self-directed learners, enhancing intrinsic motivation, utilizing technology for learning and teaching, developing curricula for twenty-first century competencies and optimally framing and developing the heightened teacher expertise required today.

Advances in Artificial Intelligence, Software and Systems Engineering - Tareq Z. Ahram

2018-06-28

This book focuses on emerging issues following the integration of artificial intelligence systems in our daily lives. It focuses on the cognitive, visual, social and analytical aspects of computing and intelligent technologies, highlighting ways to improve technology acceptance, effectiveness, and efficiency. Topics such as responsibility, integration and training are discussed throughout. The book also reports on the latest advances in systems engineering, with a focus on societal challenges and next-generation systems and applications for meeting them. It also discusses applications in smart grids and infrastructures, systems engineering education as well as defense and aerospace. The book is based on both the AHFE 2018 International Conference on Human Factors in Artificial Intelligence and Social Computing, Software and Systems Engineering, The Human Side of Service Engineering and Human Factors in Energy, July 21-25, 2018, Loews Sapphire Falls Resort at

Universal Studios, Orlando, Florida, USA.

Democracy Hacked - Martin Moore 2018-09-27

Technology has fractured democracy, and now there's no going back. All around the world, the fringes have stormed the palace of the elites and unleashed data miners, dark ads and bots on an unwitting public. After years of soundbites about connecting people, the social media giants are only just beginning to admit to the scale of the problem. We stand on the precipice of an era where switching your mobile platform will have more impact on your life than switching your government. Where freedom and privacy are seen as incompatible with social well-being and transparency. Where your attention is sold to the highest bidder. Our laws don't cover what is happening and our politicians don't understand it. But if we don't fight to change the system now, we may not get another chance.

Next Generation Computing Technologies on Computational Intelligence - Manish Prateek
2019-11-23

The 18 full and 13 short papers presented were carefully reviewed and selected from 255 submissions. There were organized in topical sections named: Image Processing, Pattern Analysis and Machine Vision; Information and Data Convergence; Disruptive Technologies for Future; E-Governance and Smart World
Congress on Intelligent Systems - Mukesh Saraswat 2022-08-01

This book is a collection of selected papers presented at the Second Congress on Intelligent Systems (CIS 2021), organized by Soft Computing Research Society and CHRIST (Deemed to be University), Bengaluru, India during September 4 - 5, 2021. It includes novel and innovative work from experts, practitioners, scientists and decision-makers from academia and industry. It covers topics such as Internet of Things, information security, embedded systems, real-time systems, cloud computing, big data analysis, quantum computing, automation systems, bio-inspired intelligence, cognitive

systems, cyber physical systems, data analytics, data/web mining, data science, intelligence for security, intelligent decision making systems, intelligent information processing, intelligent transportation, artificial intelligence for machine vision, imaging sensors technology, image segmentation, convolutional neural network, image/video classification, soft computing for machine vision, pattern recognition, human computer interaction, robotic devices and systems, autonomous vehicles, intelligent control systems, human motor control, game playing, evolutionary algorithms, swarm optimization, neural network, deep learning, supervised learning, unsupervised learning, fuzzy logic, rough sets, computational optimization, and neuro fuzzy systems.

Affordable Excellence - William A. Haseltine 2013

This is the story of the Singapore healthcare system: how it works, how it is financed, its history, where it is going, and what lessons it may hold for national health systems around the

world. Singapore ranks sixth in the world in healthcare outcomes, yet spends proportionally less on healthcare than any other high-income country. This is the first book to set out a comprehensive system-level description of healthcare in Singapore, with a view to understanding what can be learned from its unique system design and development path. The lessons from Singapore will be of interest to those currently planning the future of healthcare in emerging economies, as well as those engaged in the urgent debates on healthcare in the wealthier countries faced with serious long-term challenges in healthcare financing. Policymakers, legislators, public health officials responsible for healthcare systems planning, finance and operations, as well as those working on healthcare issues in universities and think tanks should understand how the Singapore system works to achieve affordable excellence.

ARCHDESIGN '19 / VI. INTERNATIONAL ARCHITECTURAL DESIGN CONFERENCE

PROCEEDINGS - Ortak Yayın (Mutual Publication) 2019-01-01

VI. INTERNATIONAL ARCHITECTURAL DESIGN CONFERENCE 2019

Proceedings of the International Conference on Computer Vision, High Performance Computing, Smart Devices and Networks - Ch Satyanarayana
2022-12-11

This book consists of selected peer-reviewed articles from the International Conference on Computer Vision, High Performance Computing, Smart Devices and Networks (CHSN-2020), held at JNTU, Kakinada, India. The theme and areas of the conference include vast scope for latest concepts and trends in communication engineering, information theory and networks, signal, image and speech processing, wireless and mobile communication, Internet of Things, and cybersecurity for societal causes and humanitarian applications.

World Congress on Medical Physics and Biomedical Engineering 2018 - Lenka Lhotska

2018-05-29

This book (vol. 2) presents the proceedings of the IUPESM World Congress on Biomedical Engineering and Medical Physics, a triennially organized joint meeting of medical physicists, biomedical engineers and adjoining health care professionals. Besides the purely scientific and technological topics, the 2018 Congress will also focus on other aspects of professional involvement in health care, such as education and training, accreditation and certification, health technology assessment and patient safety. The IUPESM meeting is an important forum for medical physicists and biomedical engineers in medicine and healthcare learn and share knowledge, and discuss the latest research outcomes and technological advancements as well as new ideas in both medical physics and biomedical engineering field.

Proceedings of Second International Conference in Mechanical and Energy Technology - Sanjay Yadav 2022-06-26

This book presents selected peer-reviewed papers from the International Conference on Mechanical and Energy Technologies, which was held on October 28-29, 2021, at Galgotias College of Engineering and Technology, Greater Noida, India. The book reports on the latest developments in the field of mechanical and energy technology in contributions prepared by experts from academia and industry. The broad range of topics covered includes aerodynamics and fluid mechanics, artificial intelligence, nonmaterial and nonmanufacturing technologies, rapid manufacturing technologies and prototyping, remanufacturing, renewable energies technologies, metrology and computer-aided inspection, etc. Accordingly, the book offers a valuable resource for researchers in various fields, especially mechanical and industrial engineering, and energy technologies. *Proceedings of the International e-Conference on Intelligent Systems and Signal Processing* - Falgun Thakkar 2021-08-13

This book provides insights into the Third International Conference on Intelligent Systems and Signal Processing (eiSSP 2020) held By Electronics & Communication Engineering Department of G H Patel College of Engineering & Technology, Gujarat, India, during 28-30 December 2020. The book comprises contributions by the research scholars and academicians covering the topics in signal processing and communication engineering, applied electronics and emerging technologies, Internet of Things (IoT), robotics, machine learning, deep learning and artificial intelligence. The main emphasis of the book is on dissemination of information, experience and research results on the current topics of interest through in-depth discussions and contribution of researchers from all over world. The book is useful for research community, academicians, industrialists and postgraduate students across the globe. [Proceedings of Sixth International Congress on](#)

Information and Communication Technology -
Xin-She Yang 2021-10-26

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.

Proceedings of International Conference on Data Science and Applications - Mukesh Saraswat
2023-02-16

This book gathers outstanding papers presented at the International Conference on Data Science and Applications (ICDSA 2022), organized by Soft

Computing Research Society (SCRS) and Jadavpur University, Kolkata, India, from 26 to 27 March 2022. It covers theoretical and empirical developments in various areas of big data analytics, big data technologies, decision tree learning, wireless communication, wireless sensor networking, bioinformatics and systems, artificial neural networks, deep learning, genetic algorithms, data mining, fuzzy logic, optimization algorithms, image processing, computational intelligence in civil engineering, and creative computing.

International Partnerships for Strengthening Health Care Workforce Capacity: Models of Collaborative Education - Jeanne Mahoney Leffers
2018-07-31

A critical problem in resource-scarce countries across the globe is the shortage of appropriately trained health care providers. According to the World Health Organization, the current global health workforce shortage of 7.2 million providers is estimated to increase to 12.9 million by 2035.

This disproportionately affects resource-scarce countries, denying basic health care to millions and limiting access to life-saving treatments. Due to limited resources in these countries, not enough health professionals receive training, few have the opportunity for continuing education, and the ability to develop or implement educational programs and curricula is constrained. Additionally, many existing providers choose to emigrate in pursuit of professional advancement opportunities, contributing to the overall shortage of qualified health care providers in these environments. Efforts to strengthen health workforce capacity not only increases access, safety and availability of care, but is critical to building resilient health systems capable of caring for the world's neediest populations. This requires not only cultivating new health care providers, but also providing ongoing professional development to retain and support current providers, advancing the level of practice in accordance with current

clinical science, cultivating educators, and enhancing training curricula. It is critical also to contribute to the limited body of research documenting the effectiveness and impact of various models of collaborative education and partnership to improve health worker training and retention. This Research Topic examines strategies for building health workforce capacity through the prism of educational partnerships, offering significant examples of effective models of international collaborative education as well as insight and guidance on the structure and operation of successful global partnerships. Collectively, the 31 articles accepted and included in this eBook represent a diversity of health professions and geographies across academic, non-governmental organizations and other global partnership forms. The published manuscripts highlight various elements of partnerships with several consistent themes emerging: capacity building, local empowerment, mutual trust and respect, long-term commitment,

equity, collaboration, and the importance of integrating theory and practice, for a balance of academic and clinical development. The manuscripts provide examples of partnership and educational programs that are in the formative, early stages of implementation and others which have been sustained long term, some for decades. The following eBook is divided into two parts, with each part broken down into sections. Part I of the eBook includes 18 manuscripts that showcase long-term educational programs that strongly exemplify multiple, foundational aspects of international partnerships in education including mutual collaboration and project management, empowerment of host partners to lead and sustain programs, and capacity building. While individual manuscripts included in Part I look broadly at multiple aspects of successful, international partnerships in education, Part II manuscripts focus intently on one-two elements. Part II includes 13 articles that highlight partnership through short- rather than

long-term educational initiatives as well as program development and broad academic partnerships. This Research Topic was sponsored by Health Volunteers Overseas – a United States based non-profit that collaborates with over eighty international universities and health institutions to send volunteer health professionals to low-resource countries to provide continuing education, train the trainer courses, professional support, and consultation on academic program and curricula development.

Advances in Electrical and Computer Technologies - Thangaprakash Sengodan
2021-02-26

This book comprises select proceedings of the International Conference on Advances in Electrical and Computer Technologies 2020 (ICAECT 2020). The papers presented in this book are peer-reviewed and cover latest research in electrical, electronics, communication and computer engineering. Topics covered include smart grids, soft computing techniques in power

systems, smart energy management systems, power electronics, feedback control systems, biomedical engineering, geo informative systems, grid computing, data mining, image and signal processing, video processing, computer vision, pattern recognition, cloud computing, pervasive computing, intelligent systems, artificial intelligence, neural network and fuzzy logic, broad band communication, mobile and optical communication, network security, VLSI, embedded systems, optical networks and wireless communication. The volume can be useful for students and researchers working in the different overlapping areas of electrical, electronics and communication engineering.

Elderly Health Services and Remote Health Monitoring - Lumin Chen 2020-07-10

This book focuses on typical health services and remote monitoring methods, such as visual recognition and deep learning. Chiefly addressing the design and simulation of rehabilitation devices, and the evaluation of their effects on

various diseases, it offers a valuable resource for professional researchers and graduate students in the fields of elderly medicine, signal processing, and rehabilitation.

Ageing Research and Practices in Malaysia - Tengku Aizan Hamid 2022-07-28

International Congress Calendar - 2003

Digital Health - Alan Godfrey 2021-07-06

Digital Health: Exploring Use and Integration of Wearables is the first book to show how and why engineering theory is used to solve real-world clinical applications, considering the knowledge and lessons gathered during many international projects. This book provides a pragmatic A to Z guide on the design, deployment and use of wearable technologies for laboratory and remote patient assessment, aligning the shared interests of diverse professions to meet with a common goal of translating engineering theory to modern clinical practice. It offers multidisciplinary

experiences to guide engineers where no clinically advice and expertise may be available. Entering the domain of wearables in healthcare is notoriously difficult as projects and ideas often fail to deliver due to the lack of clinical understanding, i.e., what do healthcare professionals and patients really need? This book provides engineers and computer scientists with the clinical guidance to ensure their novel work successfully translates to inform real-world clinical diagnosis, treatment and management. Presents the first guide for wearable technologies in a multidisciplinary and translational manner Helps engineers design real-world applications to help them better understand theory and drive pragmatic clinical solutions Combines the expertise of engineers and clinicians in one go-to guide, accessible to all

Assistive Technology Intervention in Healthcare -

Shruti Jain 2021-12-31

Assistive Technology Intervention in Healthcare focuses on various applications of intelligent

techniques in biomedical engineering and health informatics. It aims to create awareness about disability reduction and recovery of accidental disability with the help of various rehabilitative systems. Novel technologies in disability treatment, management and assistance, including healthcare devices and their utility from home to hospital, are described. The book deals with simulation, modeling, measurement, control, analysis, information extraction and monitoring of physiological data in clinical medicine and biology. Features Covers the latest evolutionary approaches to solve optimization problems in the biomedical engineering field Explains machine learning-based approaches to improvement in health engineering areas Reviews the IoT, cloud computing and data analytics in healthcare informatics Discusses modeling and simulations in the design of biomedical equipment Explores monitoring of physiological data This book is aimed at researchers and graduate students in biomedical engineering, clinical engineering and

bioinformatics.

7th International Conference on the Development of Biomedical Engineering in Vietnam (BME7) - Vo Van Toi 2019-06-05

This volume presents the proceedings of the 7th International Conference on the Development of Biomedical Engineering in Vietnam which was held from June 27-29, 2018 in Ho Chi Minh City. The volume reflects the progress of Biomedical Engineering and discusses problems and solutions. It aims to identify new challenges, and shaping future directions for research in biomedical engineering fields including medical instrumentation, bioinformatics, biomechanics, medical imaging, drug delivery therapy,

regenerative medicine and entrepreneurship in medical devices.

Proceedings of the 5th International Conference on Big Data and Internet of Things - Mohamed Lazaar 2022-07-03

This book is a collection of papers in the research area of big data, cloud computing, cybersecurity, machine learning, deep learning, e-learning, Internet of Things, reinforcement learning, information system, social media and natural language processing. This book includes papers presented at the 5th International Conference on Big Data Cloud and Internet of Things, BDIoT 2021 during March 17-18, 2021, at ENSIAS, Mohammed V University in Rabat, Morocco.