

Sinhgad College Of Engineering Scoe

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Mechatronics And Automation Engineering - Proceedings Of The 2016 International Conference (Icmae2016) Zhang Jianhua 2017-01-13 The 2016 International Conference on Mechatronics and Automation Engineering (ICMAE2016) have been successfully held in Xiamen, China, on April 22nd - 24th. The conference received well over more than 200 submissions, however, only 64 articles were selected and recommended to be included in this proceedings, which organized into 4 main areas, namely, Industrial Automation and Control System, Intelligent Mechatronics and Robotics, Mechanical Engineering and Electrical Engineering and Computer Science. The conference provides the opportunity to showcase state of art research and development in Mechatronics and Automation Engineering from researchers and developers from around the world under one roof to compare notes and establish collaborative relationships.

Emerging ICT for Bridging the Future - Proceedings of the 49th Annual Convention of the Computer Society of India CSI Volume 2 Suresh Chandra Satapathy 2014-11-30 This volume contains 70 papers presented at CSI 2014: Emerging ICT for Bridging the Future: Proceedings of the 49th Annual Convention of Computer Society of India. The convention was held during 12-14, December, 2014 at Hyderabad, Telangana, India. This volume contains papers mainly focused on Machine Learning & Computational Intelligence, Ad hoc Wireless Sensor Networks and Networks Security, Data Mining, Data Engineering and Soft Computing.

Manufacturing Processes for Design Professionals Rob Thompson 2007-11-30 An encyclopaedic guide to production techniques and materials for product and industrial designers, engineers, and architects. Today's product designers are presented with a myriad of choices when creating their work and preparing it for manufacture. They have to be knowledgeable about a vast repertoire of processes, ranging from what used to be known as traditional "crafts" to the latest technology, to enable their designs to be manufactured effectively and efficiently. Information on the internet about such processes is often unreliable, and search engines do not usefully organize material for designers. This fundamental new resource explores innovative production techniques and materials that are having an impact on the design industry worldwide. Organized into four easily referenced parts—Forming, Cutting, Joining, and Finishing—over seventy manufacturing processes are explained in depth with full technical descriptions; analyses of the typical applications, design opportunities, and considerations each process offers; and information on cost, speed, and environmental impact. The accompanying step-by-step case studies look at a product or component being manufactured at a leading international supplier. A directory of more than fifty materials includes a detailed technical profile, images of typical applications and finishes, and an overview of each material's design characteristics. With some 1,200 color photographs and technical illustrations, specially commissioned for this book, this is the definitive reference for product designers, 3D designers, engineers, and architects who need a convenient, highly accessible, and practical reference.

Advanced Computing, Networking and Informatics- Volume 2 Malay Kumar Kundu 2014-05-26 Advanced Computing, Networking and Informatics are three distinct and mutually exclusive disciplines of knowledge with no apparent sharing/overlap among them. However, their convergence is observed in many real world applications, including cyber-security, internet banking, healthcare, sensor networks, cognitive radio, pervasive computing amidst many others. This two-volume proceedings explore the combined use of Advanced Computing and Informatics in the next generation wireless networks and security, signal and image processing, ontology and human-computer interfaces (HCI). The two volumes together include 148 scholarly papers, which have been accepted for presentation from over 640 submissions in the second International Conference on Advanced Computing, Networking and Informatics, 2014, held in Kolkata, India during June 24-26, 2014. The first volume includes innovative computing techniques and relevant research results in informatics with selective applications in pattern recognition, signal/image processing and HCI. The second volume on the other hand demonstrates the possible scope of the computing techniques and informatics in wireless communications, networking and security.

Semantic IoT: Theory and Applications Rajiv Pandey 2021-04-12 This book is focused on an emerging area, i.e. combination of IoT and semantic technologies, which should enable breaking the silos of local and/or domain-specific IoT deployments. Taking into account the way that IoT ecosystems are realized, several challenges can be identified. Among them of definite importance are (this list is, obviously, not exhaustive): (i) How to provide common representation and/or shared understanding of data that will enable analysis across (systematically growing) ecosystems? (ii) How to build ecosystems based on data flows? (iii) How to track data provenance? (iv) How to ensure/manage trust? (v) How to search for things/data within ecosystems? (vi) How to store data and assure its quality? Semantic technologies are often considered among the possible ways of addressing these (and other, related) questions. More precisely, in academic research and in industrial practice, semantic technologies materialize in the following contexts (this list is, also, not exhaustive, but indicates the breadth of scope of semantic technology usability): (i) representation of artefacts in IoT ecosystems and IoT networks, (ii) providing interoperability between heterogeneous IoT artefacts, (ii) representation of provenance information, enabling provenance tracking, trust establishment, and quality assessment, (iv) semantic search, enabling flexible access to data originating in different places across the ecosystem, (v) flexible storage of heterogeneous data. Finally, Semantic Web, Web of Things, and Linked Open Data are architectural paradigms, with which the aforementioned solutions are to be integrated, to provide production-ready deployments.

If You Build It, They Will Learn Bruce Yeany 2006 When you can't find or afford high-quality equipment from a catalog or wish you could make your gear bigger or smaller or simply find it satisfying to use devices you've put together yourself, If You Build It, has your solution. **2019 3rd International Conference on Trends in Electronics and Informatics (ICOEI)** IEEE Staff 2019-04-23 ICOEI 2019 will provide an outstanding international forum for sharing knowledge and results in all fields of Engineering and Technology The primary goal of the conference is to promote research and developmental activities in Electronics and Informatics Another goal is to promote scientific information interchange between researchers, developers, engineers, students, and practitioners working in India and abroad The conference is organized to make it an ideal platform for people to share views and experiences in Electronics, Informatics and related areas **Inventive Communication and Computational Technologies** G. Ranganathan 2022-01-11 This book gathers selected papers presented at the Inventive Communication and Computational Technologies conference (ICICCT 2021), held on 25–26 June 2021 at Gnanamani College of Technology, Tamil Nadu, India. The book covers the topics such as Internet of things, social networks, mobile communications, big data analytics, bio-inspired computing, and cloud computing. The book is exclusively intended for academics and practitioners working to resolve practical issues in this area.

Advances in Electronics, Communication and Computing Akhtar Kalam 2017-10-27 This book is a compilation of research work in the interdisciplinary areas of electronics, communication, and computing. This book is specifically targeted at students, research scholars and academicians. The book covers the different approaches and techniques for specific applications, such as particle-swarm optimization, Otsu's function and harmony search optimization algorithm, triple gate silicon on insulator (SOI)MOSFET, micro-Raman and Fourier

Transform Infrared Spectroscopy (FTIR) analysis, high-k dielectric gate oxide, spectrum sensing in cognitive radio, microstrip antenna, Ground-penetrating radar (GPR) with conducting surfaces, and digital image forgery detection. The contents of the book will be useful to academic and professional researchers alike.

Inventive Communication and Computational Technologies G. Ranganathan 2022-01-12 This book gathers selected papers presented at the Inventive Communication and Computational Technologies conference (ICICCT 2021), held on 25–26 June 2021 at Gnanamani College of Technology, Tamil Nadu, India. The book covers the topics such as Internet of things, social networks, mobile communications, big data analytics, bio-inspired computing, and cloud computing. The book is exclusively intended for academics and practitioners working to resolve practical issues in this area.

Advances in Small Satellite Technologies PSR Srinivasa Sastry 2020-05-04 This volume contains select papers presented during the 1st International Conference on Small Satellites, discussing the latest research and developments relating to small satellite technology. The papers cover various issues relating to design and engineering, ranging from the control, mechanical and thermal systems to the sensors, antennas and RF systems used. The volume will be of interest to scientists and engineers working on or utilizing satellite and space technologies.

Sustainable Communication Networks and Application P. Karrupusamy 2019-11-07 This book presents state-of-the-art theories and technologies and discusses developments in the two major fields: engineering and sustainable computing. In this modern era of information and communication technologies [ICT], there is a growing need for new sustainable and energy-efficient communication and networking technologies. The book highlights significant current and potential international research relating to theoretical and practical methods toward developing sustainable communication and networking technologies. In particular, it focuses on emerging technologies such as wireless communications, mobile networks, Internet of things [IoT], sustainability, and edge network models. The contributions cover a number of key research issues in software-defined networks, blockchain technologies, big data, edge/fog computing, computer vision, sentiment analysis, cryptography, energy-efficient systems, and cognitive platforms.

ICCCE 2020 Amit Kumar 2020-10-11 This book is a collection of research papers and articles presented at the 3rd International Conference on Communications and Cyber-Physical Engineering (ICCCE 2020), held on 1-2 February 2020 at CMR Engineering College, Hyderabad, Telangana, India. Discussing the latest developments in voice and data communication engineering, cyber-physical systems, network science, communication software, image and multimedia processing research and applications, as well as communication technologies and other related technologies, it includes contributions from both academia and industry. This book is a valuable resource for scientists, research scholars and PG students working to formulate their research ideas and find the future directions in these areas. Further, it may serve as a reference work to understand the latest engineering and technologies used by practicing engineers in the field of communication engineering.

Novel Water Treatment and Separation Methods Bharat A. Bhanvase 2017-09-18 Due to increasing demand for potable and irrigation water, new scientific research is being conducted to deal with wastewater from a variety of sources. Novel Water Treatment and Separation Methods: Simulation of Chemical Processes presents a selection of research related to applications of chemical processes for wastewater treatment, separation techniques, and modeling and simulation of chemical processes. Among the many topics are: degradation of herbicide removal of anionic dye efficient sun-light driven photocatalysis removal of copper and iron using green activated carbon defluoridation of drinking water removal of calcium and magnesium from wastewater using ion exchange resins degradation of vegetable oil refinery wastewater novel separation techniques, including microwave-assisted extraction and more The volume presents selected examples in wastewater treatment, highlighting some recent examples of processes such as photocatalytic degradation, emulsion liquid membrane, novel photocatalyst for degradation of various pollutants, and adsorption of heavy metals. The book goes on to explore some novel separation techniques, such as microwave-assisted extraction, anhydrous ethanol through molecular sieve dehydration, batch extraction from leaves of Syzygium cumini (known as jambul, jambolan, jamblang or jamun), and reactive extraction. These novel separation techniques have proved be advantageous over conventional methods. The volume also looks at modeling and simulation of chemical processes, including chapters on flow characteristics of novel solid-liquid multistage circulating fluidized bed, mathematical modeling and simulation of gasketed plate heat exchangers, optimization of the adsorption capacity of prepared activated carbon, and modeling of ethanol/water separation by pervaporation, along with topics on simulation using CHEMCAD software. The diverse chapters share and encourage new ideas, methods, and applications in ongoing advances in this growing area of chemical engineering and technology. It will be a valuable resource for researchers and faculty and industrialists as well as for students.

Wishes & Promises Grace Harper 2017-10-24 Natalie and Geoff Grant are in Jackson's Bay for their annual family holiday. It is a bittersweet time as their twin children are moving on with their lives. Their daughter, Alice runs a nonprofit business called Letters Over The Ocean, an online company that matches service men and women for love and friendship. That's where she met her very own soldier boy. They have been a couple for a year but have never met, until now. Will reality burst their young love? Their son, Finn, is moving away from home to attend University. He had been in mixing with the wrong crowd and was wrongly arrested. On his first evening, he has the choice to turn left or turn right. He turns left and meets Nadia. Did he make the correct choice? Geoff and Natalie have their own issues to overcome. Natalie is a secret crime writer and needs to decide if she is going to go public. Geoff runs London's crime unit, but at home, he needs to face his short comings. Is Natalie's patience running out and had Geoff lost his chance to face his biggest fear? Will each member of the Grant family find happiness by the time the Ipris Gala arrives?

Students'Ready Reference This book is a worthy companion of students studying in Middle and High Schools,right through their school days.This piece of work is intended to keep up to the exceptations of school goinhgstudents in every corner of our country and globally,wherever the medium is English

Emerging ICT for Bridging the Future - Proceedings of the 49th Annual Convention of the Computer Society of India (CSI) Volume 1 Suresh Chandra Satapathy 2014-11-30 This volume contains 73 papers presented at CSI 2014: Emerging ICT for Bridging the Future: Proceedings of the 49th Annual Convention of Computer Society of India. The convention was held during 12-14, December, 2014 at Hyderabad, Telangana, India. This volume contains papers mainly focused on Fuzzy Systems, Image Processing, Software Engineering, Cyber Security and Digital Forensic, E-Commerce, Big Data, Cloud Computing and ICT applications.

Intelligent Computing and Information and Communication Subhash Bhalha 2018-01-19 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 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.

Multilingual Online Academic Collaborations as Resistance Giovanna Fassetta 2020-08-07 This book details online academic collaborations between universities in Europe, the USA and Palestine. The chapters recount the challenges and successes of online collaborations which promote academic connections and conversations with the Gaza Strip, despite a continuing blockade imposed on Gaza since 2007, and forge relationships between individuals, institutions and cultures. The chapters examine, from different perspectives, what happens when languages and the internet facilitate encounters, and the fundamental importance this has as a form of defiance and of resistance to the physical confinement experienced by Palestinian academics, students and the general population of Gaza. They highlight the limitations of multilingual and intercultural encounters when they are deprived of the sensory proximity of face-to-face situations and what is lost in the translation of languages, practices and experiences from the ‘real’ to the ‘virtual’ world.

2021 International Conference on Emerging Smart Computing and Informatics (ESCI) IEEE Staff 2021-03-05 This conference aims to present a unified platform for advanced and multi disciplinary research towards design of smart computing and informatics The theme is on a broader front 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 scope is also extended towards deployment of emerging computational and knowledge transfer approaches, optimizing solutions in varied disciplines of science, technology and healthcare

CONCRETE TECHNOLOGY M. N. Bajad 2019-11

Recent Advancements in Civil Engineering Boeing Laishram

Business Combinations and Long-term Investments Clarence E. Byrd 1979

Computational Intelligence and Information Technology Vinu Das 2013-01-02 This book constitutes the proceedings of the First International Conference on Computational Intelligence and Information Technology, CIIT 2011, held in Pune, India, in November 2011. The 58 revised full papers, 67 revised short papers, and 32 poster papers presented were carefully reviewed and selected from 483 initial submissions. The papers are contributed by innovative academics and industrial experts in the field of computer science, information technology, computational engineering, mobile communication and security and offer a stage to a common forum, where a constructive dialog on theoretical concepts, practical ideas and results of the state of the art can be developed.

Gas Turbines and Jet Propulsion United States. National Bureau of Standards 1947

Education in Industry American Society for Engineering Education. Joint ECAC-RWI Feedback Committee 1965

Broadband Microstrip Antennas Girish Kumar 2003 A guide to broadband microstrip antennas, offering information to help you choose and design the optimum broadband microstrip antenna configurations for your applications, without sacrificing other antenna parameters.

The text shows you how to take advantage of the light-weight, low volume benefits of these antennas, by providing explanations of the various configurations and simple design equations that help you analyze and design microstrip antennas with speed and confidence. This practical resource presents an understanding of the radiation mechanism and characteristics of microstrip antennas, and provides guidance on designing new types of planar monopole antennas with multi-octave bandwidth. The authors explore how to select and design proper broadband microstrip antenna configurations for compact, tunable, dual-band and circular polarization applications. Moreover, the work compares all the broadband techniques and suggests the most attractive configuration.

The Our Father Bruno Ferrero 2020

Intelligent Systems Siba K. Udgata

Applications of Superconductivity H. Weinstock 2013-03-09 This book, in essence the proceedings of a NATO Advanced Study Institute with the same title, is designed to provide in-depth coverage of many, but not all, of the major current applications of superconductivity, and of many that still are being developed. It will be of value to scientists and engineers who have interests in the research and production aspects of the technology, as well as in the applications themselves. The first three chapters (by Clarke, Vrba and Wikswo) are devoted to an understanding of the principles, fabrication and uses of SQUID magnetometers and gradiometers, with the greatest emphasis on biomagnetism and nondestructive evaluation (NDE). For the most part, traditional low-temperature superconductor (LTS) SQUIDS are used, but particularly for NDE, high-temperature superconductor (HTS) SQUIDS are proving useful and often more convenient. The succeeding three chapters (by Przybysz, Likharev and Chaloupka) cover broader aspects of superconducting electronics. The first two of these deal primarily with digital LTS circuits, while the third discusses in great detail passive component applications using HTS materials. Currently, HTS filters are undergoing intense J3-site testing at cellular telephone base stations. While it is clear that HTS filters outperform conventional filters in reducing signal loss and allowing for more channels in a given bandwidth, it isn't yet certain that the cellular telephone industry sees sufficient economic benefits to make a firm decision to use HTS filters universally in its systems. If this application is generally adapted, the market for these filters should be quite large.

Annual Report University of Poona 2001

Innovations in Infrastructure Dipankar Deb 2018-09-28 The book covers innovative research and its applications in infrastructure development and related areas. This book discusses the state-of-art development, challenges and unsolved problems in the field of infrastructure/smart development, control engineering, power system infrastructure, smart infrastructure, waste management and renewable energy. The solutions discussed in this book encourage the researchers and IT professionals to put the methods into their practice.

Automated Image Detection of Retinal Pathology Herbert Jelinek 2009-10-09 Discusses the Effect of Automated Assessment Programs on Health Care Provision Diabetes is approaching pandemic numbers, and as an associated complication, diabetic retinopathy is also on the rise. Much about the computer-based diagnosis of this intricate illness has been discovered and proven effective in research labs. But, unfortunately, many of these advances have subsequently failed during transition from the lab to the clinic. So what is the best way to diagnose and treat retinopathy? Automated Image Detection of Retinal Pathology discusses the epidemiology of the disease, proper screening protocols, algorithm development, image processing, and feature analysis applied to the retina. Conveys the Need for Widely Implemented Risk-Reduction Programs Offering an array of informative examples, this book analyzes the use of automated computer techniques, such as pattern recognition, in analyzing retinal images and detecting diabetic retinopathy and its progression as well as other retinal-based diseases. It also addresses the benefits and challenges of automated health care in the field of ophthalmology. The book then details the increasing practice of telemedicine screening and other advanced applications including arteriolar-venous ratio, which has been shown to be an early indicator of cardiovascular, diabetes, and cerebrovascular risk. Although tremendous advances have been made in this complex field, there are still many questions that remain unanswered. This book is a valuable resource for researchers looking to take retinal pathology to that next level of discovery as well as for clinicians and primary health care professionals that aim to utilize automated diagnostics as part of their health care program.

Which MBA? Jane Rogers 1990

Sustainable Communication Networks and Application P. Karrupusamy 2019-11-06 This book presents state-of-the-art theories and technologies and discusses developments in the two major fields: engineering and sustainable computing. In this modern era of information and communication technologies [ICT], there is a growing need for new sustainable and energy-efficient communication and networking technologies. The book highlights significant current and potential international research relating to theoretical and practical methods toward developing sustainable communication and networking technologies. In particular, it focuses on emerging technologies such as wireless communications, mobile networks, Internet of things [IoT], sustainability, and edge network models. The contributions cover a number of key research issues in software-defined networks, blockchain technologies, big data, edge/fog computing, computer vision, sentiment analysis, cryptography, energy-efficient systems, and cognitive platforms.

Innovations in Infrastructure Dipankar Deb 2018-09-29 The book covers innovative research and its applications in infrastructure development and related areas. This book discusses the state-of-art development, challenges and unsolved problems in the field of infrastructure/smart development, control engineering, power system infrastructure, smart infrastructure, waste management and renewable energy. The solutions discussed in this book encourage the researchers and IT professionals to put the methods into their practice.

Structural Design III Dr M N Bajad 2015

LIMIT STATE DESIGN IN STRUCTURAL STEEL M. R. SHIYEKAR 2013-05-22 The second edition has incorporated all the revisions necessitated after the issue of Amendment No. 1 of January 2012 to IS 800:2007. The book is primarily designed for the students of civil/structural engineering at all levels of studies—undergraduate, postgraduate and diploma—as well as for the professionals in the field of structural steel design. It covers the fundamental concepts of steel design in the perspective of the limit state design concept as per IS 800:2007, with the focus on cost-effective design of industrial structures, foot bridges, portal frames, and pre-engineered buildings. The connection design details are discussed concurrently with the design of members. The book covers the subject matter, with the help of numerous practical illustrations accompanied by step-by-step design calculations and detail-ing, in 14 chapters—including a chapter on pre-engineered buildings. Solved examples as well as exercises are provided in each chapter to enable the development of a strong understanding of the underlying concepts and for testing the comprehension acquired by the students. The geometrical properties of rolled steel sections, often required as per the revised clauses of IS 800:2007 and not appearing in the existing steel tables, are given in the Appendix A for ready reference.

Advances in Computing and Data Sciences Mayank Singh 2018-10-30 This two-volume set (CCIS 905 and CCIS 906) constitutes the refereed proceedings of the Second International Conference on Advances in Computing and Data Sciences, ICACDS 2018, held in Dehradun, India, in April 2018. The 110 full papers were carefully reviewed and selected from 598 submissions. The papers are centered around topics like advanced computing, data sciences, distributed systems organizing principles, development frameworks and environments, software verification and validation, computational complexity and cryptography, machine learning theory, database theory, probabilistic representations.

Industry Institute Interaction A.A. Ghatol 2004 In Indian context.