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TEXTBOOK OF ENVIRONMENTAL ENGINEERING *PRINCIPLES OF ENVIRONMENTAL SCIENCE AND ENGINEERING* Engineering Drawing And Graphics *Engineering Drawing + AutoCAD* **A Textbook Of Engineering Graphics Computational Methods and Experiments in Materials Characterization III** Mathematical Analysis and Computing **Statistical Inference for Engineers and Data Scientists Soft Computing for Problem Solving** A Digital Story Book on NITC Entrepreneurs **Basic civil and mechanical engineering Offshore Renewable Energy: Ocean Waves, Tides and Offshore Wind Biomaterials and Stem Cells in Regenerative Medicine Data Science and Computational Intelligence** *Proceedings Second International Conference on Information Processing* **Directory of Joint Stock Companies in India Electrospun Nanofibers** *Engineering Graphics (anna University)* Agronomy and Economy of Black Pepper and Cardamom **Nanomedicine for Drug Delivery and Therapeutics Trends in Renewable Energies Offshore World Guide to Universities - Internationales Universitäts-Handbuch** *Electrospinning for Tissue Regeneration* **Bionanomaterials for Skin Regeneration Advances in Communication, Signal Processing, VLSI, and Embedded Systems** *Nanostructured Multiferroics* **Frontiers in Materials Science** *Journal of the Institution of Engineers (India).* **Intelligent Medical Technologies and Biomedical Engineering: Tools and Applications** *Lions 324B1 District Directory (2020-21) Shellfish Processing and Preservation* **Complex Mediums Internationales Universitäts-Handbuch** *Electrospinning for Advanced Biomedical Applications and Therapies* Ocean Wave Energy Systems **Proceedings ... Annual Research Session** *Publication* **Marketing Management** Marine Polysaccharides *Advanced Surfaces for Stem Cell Research*

Statistical Inference for Engineers and Data Scientists Mar 24 2022 A mathematically accessible textbook introducing all the tools needed to address modern inference problems in engineering and data science.

Shellfish Processing and Preservation Mar 31 2020 Shellfish is a broad term that covers various aquatic mollusks, crustaceans and echinoderms that are used as food. They have economic and ecological importance and have been consumed as food for centuries. Shellfish provide high quality protein with all the dietary amino acids essential for maintenance and growth of the human body. Shellfish are a major component of global seafood production, with shellfish aquaculture rapidly growing in recent years. There are many different processing methods used across the world. Shellfish are very perishable foods and must be preserved just after catching or harvesting. This makes the preservation of seafood a critical issue in terms of quality and human health. To date there have been a number of books on seafood processing and preservation, but all of them have been mostly focused on fish. Shellfish Processing and Preservation is the first reference work to focus specifically on shellfish, providing comprehensive coverage of the production methods, biological makeups and preservation methods of all major shellfish species. Individual sections focus on crustaceans such as shrimps and prawns, crabs and lobsters plus molluscans including mussels, scallops and oysters. Cephalopods such as squid and octopus are also covered in

depth. For each species processing and preservation methods such as chilling, freezing, canning and curing are examined, plus the important safety aspects specific to each shellfish type. Shellfish Processing and Preservation is an essential publication for any researchers or industry professionals in search of a singular and up-to-date source for the processing and preservation of shellfish.

Advanced Surfaces for Stem Cell Research Jun 22 2019 The book outlines first the importance of Extra Cellular Matrix (ECM), which is a natural surface for most of cells. In the following chapters the influence of biological, chemical, mechanical, and physical properties of surfaces in micro and nano-scale on stem cell behavior are discussed including the mechanotransduction. Biomimetic and bioinspired approaches are highlighted for developing microenvironment of several tissues, and surface engineering applications are discussed in tissue engineering, regenerative medicine and different type of biomaterials in various chapters of the book. This book brings together innovative methodologies and strategies adopted in the research and development of Advanced Surfaces in Stem Cell Research. Well-known worldwide researchers deliberate subjects including: Extracellular matrix proteins for stem cell fate The superficial mechanical and physical properties of matrix microenvironment as stem cell fate regulator Effects of mechanotransduction on stem cell behavior Modulation of stem cells behavior through bioactive surfaces Influence of controlled micro and nanoengineered surfaces on stem cell fate Nanostructured polymeric surfaces for stem cells Laser surface modification techniques and stem cells applications Plasma polymer deposition: a versatile tool for stem cell research Application of bioreactor concept and modeling techniques in bone regeneration and augmentation treatments Substrates and surfaces for control of pluripotent stem cell fate and function Application of biopolymer-based, surface modified devices in transplant medicine and tissue engineering Silk as a natural biopolymer for tissue engineering

A Textbook Of Engineering Graphics Jun 26 2022

A Digital Story Book on NITC Entrepreneurs Jan 22 2022 Are Entrepreneurs born? Have you, like millions, thought of being an Entrepreneur but was never sure if you can ? Are you an Entrepreneur who has learnt the hard way – the good, bad and ugly of being an Entrepreneur ? In this book Entrepreneurs from the National Institute of Technology, Calicut, share their stories, their tribulations and their triumphs. And their own quips. “To be at the right place at the right time, you have to be at the wrong place at the wrong time for a long time.” - Zerin Rahiman “Success is not a destination. Success is something to be evaluated at the end of each day. - Jayakumar Entrepreneurship is like travel, it’s not about the destination, but rather about the journey. - Siva Sankar & Roney Joseph Vincent “If you want people to choose your product/service, you are asking them to give up something else.” - Shankar Meembat “Failure … The experience was magnificent because the lessons I learned were invaluable,” - Prasanth Warrier “In the first 1000 days, you may find a 1000 different reasons to quit. It’s all about perseverance.” Subhash K M Read what’s behind these thoughts and much more – this is one book you will not regret picking up.

Mathematical Analysis and Computing Apr 24 2022 This book is a collection of selected papers presented at the International Conference on Mathematical Analysis and Computing (ICMAC 2019) held at Sri Sivasubramaniya Nadar College of Engineering, Chennai, India, from 23–24 December 2019. Having found its applications in game theory, economics, and operations research, mathematical analysis plays an important role in analyzing models of physical systems and provides a sound logical base for problems stated in a qualitative manner. This book aims at disseminating recent advances in areas of mathematical analysis, soft computing, approximation and optimization through original research articles and expository survey papers. This book will be of value to research scholars, professors, and industrialists working in these areas.

Engineering Drawing And Graphics Aug 29 2022 This Book Provides A Systematic Account Of The Basic Principles Involved In Engineering Drawing. The Treatment Is Based On The First Angle Projection.Salient Features: * Nomography Explained In Detail. * 555 Self-Explanatory Solved University Problems. * Step-By-Step Procedures. * Side-By-Side

Simplified Drawings. * Adopts B.I.S. And I.S.O. Standards. * 1200 Questions Included For Self Test.The Book Would Serve As An Excellent Text For B.E., B.Tech., B.Sc. (Ap. Science) Degree And Diploma Students Of Engineering. Amie Students Would Also Find It Extremely Useful.

Bionanomaterials for Skin Regeneration Nov 07 2020 This book gives a concise overview of bionanomaterials with applications for skin regeneration. The advantages and challenges of nanoscale materials are covered in detail, giving a basic view of the skin structure and conditions that require transdermal or topical applications. Medical applications, such as wound healing, care for burns, skin disease, and cosmetic care, such as aging of the skin and photodamage, and how they benefit from bionanomaterials, are described in detail. A final chapter is devoted to the ethical and social issues related to the use of bionanomaterials for skin regeneration. This is an ideal book for researchers in materials science, medical scientists specialized in dermatology, and cosmetic chemists working in formulations. It can also serve as a reference for nanotechnologists, dermatologists, microbiologists, engineers, and polymer chemists, as well as students studying in these fields.

Electrospun Nanofibers Jun 14 2021 The book provides an up-to-date account of the various techniques of fabrication & functionalization of electrospun nanofibers as well as recent advancements. An overview of the advanced applications of such techniques in different areas is also presented. Both experimental and theoretical approaches related to electrospun nanofibers are covered along with a discussion on the inherent properties of electrospun nanofibers. Therefore, this book provides a unique resource not only to established researchers but also newcomers starting out in this field.

Marine Polysaccharides Jul 24 2019 Increased public awareness of the importance of healthy living presents new challenges for the commercial food processing sector. The industry is always on the hunt for novel and safe additives with functional properties that can be used to impart healthy and appealing properties to foods. While the ocean is known as a conventional source of fish proteins and lipids, it is yet to be tapped as a source of polysaccharides. A clear exposition on how these resources can be developed, Marine Polysaccharides: Food Applications compiles recent data on the food applications of marine polysaccharides from such diverse sources as fishery products, seaweeds, microalgae, microorganisms, and corals. The book begins with discussions on the isolation of polysaccharides from marine sources and their properties, particularly those important from a food technology point of view. It then focuses on the actual food applications of these compounds and concludes with a brief examination of biomedical applications. The author presents an overview of the general functional properties of polysaccharides, including their structure; their hydration, gelation, emulsification, and rheological properties; and interactions among themselves and with other food components such as proteins that are relevant to food processing. He then explores the isolation and food-related properties of various marine polysaccharides, use of these polysaccharides in food product and biopackaging, recent developments in composite films and nanotechnology, and safety and regulatory issues. While there are many books available on polysaccharides, few address the applications of marine polysaccharide food product development. Written from a realistic, practical point of view avoiding technical jargon, this book highlights the ocean not as a conventional source of fish protein and lipids, but as a major supplier of versatile carbohydrates that can have diverse food applications.

Nanomedicine for Drug Delivery and Therapeutics Mar 12 2021 This book describes a broad area of nanomedicine which involves mainly applications, diseases, and diagnostics. The comprehensive coverage provides researchers, academics, and health specialists with a great tool, that includes techniques applicable to various uses.

Directory of Joint Stock Companies in India Jul 16 2021

Publication Sep 25 2019

TEXTBOOK OF ENVIRONMENTAL ENGINEERING Oct 31 2022 Designed for a first-course in environmental engineering for undergraduate engineering and postgraduate science students, the book deals with environmental pollution and its control methodologies. It explains the basic environmental technology - environmental sanitation,

water supply, waste management, air pollution control and other related issues - and presents a logical and systematic treatment of topics. The book, an outgrowth of author's long experience in teaching the postgraduate science and engineering students, is presented in a student-oriented approach. It is interspersed with solved examples and illustrations to reinforce many of the concepts discussed and apprise the readers of the current practices in areas of water processing, water distribution, collection and treatment of domestic sewage and industrial waste water, and control of air pollution. It emphasizes fundamental concepts and basic appli-cations of environmental technology for management of environmental problems. Besides students, the book will be useful to the academia of environmental sciences, civil/environmental engineering as well as to environmentalists and administrators working in the field of pollution control.

Basic civil and mechanical engineering Dec 21 2021

PRINCIPLES OF ENVIRONMENTAL SCIENCE AND ENGINEERING Sep 29 2022 Primarily intended as a text for undergraduate students of engineering for their core course in environmental studies, this book gives a clear introduction to the fundamental principles of ecology and environmental science and aptly summarizes the relationship between ecology and environmental engineering. Divided into three parts, the book begins by discussing the biosphere, natural resources, ecosystems, biodiversity, and community health. Then it goes on to give detailed description on topics such as pollution and control, environmental management, and sustainable development. Finally, it focuses on environmental chemistry, environmental microbiology, and monitoring and analysis of pollutants.

Internationales Universitäts-Handbuch Jan 28 2020

Marketing Management Aug 24 2019 A contemporary discourse on how to operate in the rapidly changing environment of the marketplace, this book provides the mantra to build long-term marketing growth. Starting with the understanding of consumer needs, it takes the reader on a smooth journey of how to understand the market and develop appropriate strategies. In doing that, it provides an in-depth analysis of how to build a sustainable customer base in the ever-growing competitiveness and dynamism of the present-day marketing arena. The author states that the marketing activities should start by converting the technical product to a marketing product by linking to the needs of the target customer. The author also reclassifies the need hierarchy to suit the marketing professionals and introduces the concept of ‘rebel need’.

Nanostructured Multiferroics Sep 05 2020 Explore the state of the art in multiferroic materials with this cutting-edge resource Nanostructured Multiferroics delivers an overview of recent research developments in the area of nanostructured multiferroics, along with their preparation, characterization, and applications. Covering single-phase and composite multiferroics, nanomultiferroics, and multiferroic composites, the book explains their physical properties, the underlying physical principles, and the technology and application aspects of the materials, including energy harvesting and spintronics. With multiferroics undergoing a renaissance of renewed interest and development in the past few years, and with promising new breakthroughs in areas like superconductivity, spintronics, and quantum computing, Nanostructured Multiferroics offers both experienced scientists and young researchers inspirational and informative resources likely to spark ideas for further research. Along with chapters discussing topics such as the specific heat and magnetocaloric properties of manganite-based multiferroics for cryo-cooling applications and the multiferroic properties of barium-doped BiFeO3 particles, further topics are: * A comprehensive discussion about the physical properties of multiferroic nanocomposites * An exploration of the basic theory underpinning a variety of multiferroic interactions * An in-depth analysis of the engineering functionality in nanomultiferroics * An introduction to nanostructured multiferroics accompanied by discussions of their synthesis, characterization, and common applications * A treatment of multiferroic materials, as well as single-phase and composite multiferroics * An examination of the use of nanostructured multiferroics in the field of spintronics Perfect for materials scientists, Nanostructured Multiferroics will also earn a place in the libraries of solid-state physicists and chemists who seek to improve their

understanding of the fundamentals of, and recent advances made in, multiferroics. The information contained within will inform anyone working in areas involving superconductivity, quantum computing, and spintronics.

Frontiers in Materials Science Aug 05 2020 This volume presents contributions by a galaxy of eminent scientists and technologists from the world over in broad spectrum of areas in materials science, providing a global perspective on complex issues of current concern and the direction of research in these areas.

Intelligent Medical Technologies and Biomedical Engineering: Tools and Applications Jun 02 2020 Intelligent Medical Technologies and Biomedical Engineering: Tools and Applications helps young researchers and developers understand the basics of the field while highlighting the various developments over the last several years. Broad in scope and comprehensive in depth, this volume serves as a base text for any project or work into the domain of medical diagnosis or other areas of medical engineering.

World Guide to Universities - Internationales Universitäts-Handbuch Jan 10 2021

Lions 324B1 District Directory (2020-21) May 02 2020 Lions District 324B1, Printed Directory was released by District Governor PMJF Lion R N Karunanithi, in December 2020. It contains information on Lions Clubs International, Lion Leaders in India, DG Teams, Cabinet Officials, Region & Zone Chairpersons, District Chairpersons, Club Officials and Lion Members. This Digital edition is a replica of the printed edition, to enable portability of information through the Smart Mobile Phones, the Lions Carry.

Biomaterials and Stem Cells in Regenerative Medicine Oct 19 2021 Work in the area of biomaterials and stem cell therapy has revealed great potential for many applications, from the treatment of localized defects and diseases to the repair and replacement of whole organs. Researchers have also begun to develop a better understanding of the cellular environment needed for optimal tissue repair and regeneration. Biomaterials and Stem Cells in Regenerative Medicine explores a range of applications for biomaterials and stem cell therapy and describes recent research on suitable cell scaffolds and substrates for tissue repair and reconstruction. Featuring contributions by experts in the field, the book explores important scientific and clinical aspects. It covers the basic science involved in structure and properties, techniques and technological innovations in processing and characterization, and applications of biomaterials and stem cells. Topics include: Polymeric systems for stem cell delivery The potential of membranes and porous scaffolds in tissue repair, including myocardial, periodontal, ophthalmic, and bone tissues The optimization of the interaction between stem cells and biomaterial substrates The source and nature of stem cells for tissue engineering applications The clinical translation of stem cell–based tissue engineering for regenerative medicine From fundamental principles to recent advances at the macro, micro, nano, and molecular scales, the book brings together current knowledge on biomaterials and stem cells in the context of regenerative medicine. It also stimulates discussion about future research directions. This unique book offers a valuable benchmark for the current status of clinically relevant research and development in stem cells and regenerative medicine. It bridges the gaps in experimental approaches and understanding among the materials science and engineering, biological sciences, and biomedical science and engineering communities, making it a valuable reference for graduate students, researchers, and practitioners working in the multidisciplinary field of biomedical research.

Engineering Graphics (anna University) May 14 2021 The Seventh Edition Of This Book Is Thoroughly Revised And Enlarged And Is Specifically Tailored To Meet The Revised Syllabus, Offered In The First Year Of B.E./B.Tech. Of All The Branches In Various Engineering Colleges Affiliated To Anna University, Tamil Nadu.Salient Features:- * It Is User-Friendly With Step-By-Step Procedures. * Each Solved Problem Is Graded And Is Followed By Similar Exercise Problem For Students To Practice Confidently And Grasp The Fundamental Principles Much Easily. * Additional Problems Are Also Added In Each Chapter. * An Excellent Guide For An Average Student Highlighting The Important

Points, Notes, Rules, Hints, To Remember, Etc. * Illustrated With 800 Solvedi University Problems With Illustrations, It Is Examination Oriented.

Journal of the Institution of Engineers (India). Jul 04 2020

Soft Computing for Problem Solving Feb 20 2022 This two-volume book presents the outcomes of the 8th International Conference on Soft Computing for Problem Solving, SocProS 2018. This conference was a joint technical collaboration between the Soft Computing Research Society, Liverpool Hope University (UK), and Vellore Institute of Technology (India), and brought together researchers, engineers and practitioners to discuss thought-provoking developments and challenges in order to select potential future directions. The book highlights the latest advances and innovations in the interdisciplinary areas of soft computing, including original research papers on algorithms (artificial immune systems, artificial neural networks, genetic algorithms, genetic programming, and particle swarm optimization) and applications (control systems, data mining and clustering, finance, weather forecasting, game theory, business and forecasting applications). It offers a valuable resource for both young and experienced researchers dealing with complex and intricate real-world problems that are difficult to solve using traditional methods.

Complex Mediums Feb 29 2020

Offshore Renewable Energy: Ocean Waves, Tides and Offshore Wind Nov 19 2021 This book is a printed edition of the Special Issue "Offshore Renewable Energy: Ocean Waves, Tides and Offshore Wind" that was published in Energies

Engineering Drawing + AutoCAD Jul 28 2022

Computational Methods and Experiments in Materials Characterization III May 26 2022 Until recently, engineering materials could be characterized successfully using relatively simple testing procedures. As materials technology advances, interest is growing in materials possessing complex meso-, micro- and nano-structures, which to a large extent determine their physical properties and behaviour. The purposes of materials modelling are many: optimization, investigation of failure, simulation of production processes, to name but a few. Modelling and characterisation are closely intertwined, increasingly so as the complexity of the material increases. Characterisation, in essence, is the connection between the abstract material model and the real-world behaviour of the material in question. Characterisation of complex materials therefore may require a combination of experimental techniques and computation. This book publishes papers presented at the Third International Conference on Computational Methods and Experiments in Material Characterisation.Topics covered include: Composites; Ceramics; Alloys; Cements and Cement Based Materials; Biomaterials; Thin Films and Coatings; Advanced Materials; Imaging Analysis; Thermal Analysis; New Methods; Surface Chemistry, Nano Indentation; Continuum Methods; Particle Models; Damage Mechanics; Innovative Techniques; Stochastic Methods.

Agronomy and Economy of Black Pepper and Cardamom Apr 12 2021 Known as the "King" of spices, black pepper (Piper nigrum L.) and the "Queen" of spices, cardamom (Elettaria cardamomum M.), both perennial crops of the tropics, are the most important and most widely sought after spice crops of the world. They both have many uses, for example, both are used as flavourings and as a medicine. This book provides a comprehensive review of these two very important spice crops, covering origin, history, geographical distribution, production, economy and their uses. Discusses the two major spices of great economic value to the developing world The author is an eminent scientist who has won numerous awards for his work in this area

Electrospinning for Tissue Regeneration Dec 09 2020 Electrospinning is a simple and highly versatile method for generating ultrathin fibres with diameters ranging from a few micrometres to tens of nanometres. Although most commonly associated with textile manufacturing, recent research has proved that the electrospinning technology can be used to create organ components and repair damaged tissues. Electrospinning for tissue regeneration provides a comprehensive overview of this innovative approach to tissue repair and regeneration and examines how it is being employed within the biomaterials sector. The book opens with

an introduction to the fundamentals of electrospinning. Chapters go on to discuss polymer chemistry, the electrospinning process, conditions, control and regulatory issues. Part two focuses specifically on electrospinning for tissue regeneration and investigates its uses in bone, cartilage, muscle, tendon, nerve, heart valve, bladder, tracheal, dental and skin tissue regeneration before concluding with a chapter on wound dressings. Part three explores electrospinning for in vitro applications. Chapters discuss cell culture systems for kidney, pancreatic and stem cell research. With its distinguished editors and international team of expert contributors, Electrospinning for tissue regeneration is a valuable reference tool for those in academia and industry concerned with research and development in the field of tissue repair and regeneration. Provides a comprehensive overview of this innovative approach to tissue repair and regeneration covering issues from polymer chemistry to the regulatory process Examines employment within the biomaterials sector, reviewing extensive applications in areas such as uses in bone, muscle tendon, heart valve and tissue regeneration Explores electrospinning for in vitro applications and discusses cell culture systems for kidney, pancreatic and stem cell research

Data Science and Computational Intelligence Sep 17 2021 This book constitutes revised and selected papers from the Sixteenth International Conference on Information Processing, ICInPro 2021, held in Bangaluru, India in October 2021. The 33 full and 9 short papers presented in this volume were carefully reviewed and selected from a total of 177 submissions. The papers are organized in the following thematic blocks: Computing & Network Security; Data Science; Intelligence & IoT.

Ocean Wave Energy Systems Nov 27 2019 This book offers a timely review of wave energy and its conversion mechanisms. Written having in mind current needs of advanced undergraduates engineering students, it covers the whole process of energy generation, from waves to electricity, in a systematic and comprehensive manner. Upon a general introduction to the field of wave energy, it presents analytical calculation methods for estimating wave energy potential in any given location. Further, it covers power-take off (PTOs), describing their mechanical and electrical aspects in detail, and control systems and algorithms. The book includes chapters written by active researchers with vast experience in their respective filed of specialization. It combines basic aspects with cutting-edge research and methods, and selected case studies. The book offers systematic and practice-oriented knowledge to students, researchers, and professionals in the wave energy sector. Chapters 17 of this book is available open access under a CC BY 4.0 license at link.springer.com

Proceedings ... Annual Research Session Oct 26 2019

Electrospinning for Advanced Biomedical Applications and Therapies Dec 29 2019 The main focus of this book is on the development of electrospun membranes for advanced biomedical technologies including tissue engineering and drug delivery devices.Serving as a reference book for the beginner this book also provides an in-depth analysis of the challenges to be overcome in the future. Each section of the book covers not only the developments in the various fields of application of the electrospun meshes, but also the advances required for the successful development of new and high-end biomedical applications.Important areas tackled include:Biomedical applications of the technologySpecific aspects of equipments and materialsSurface characterization and functionalizationIn vitro testing with electrospun meshes. In all of these areas the main achievements, challenges ahead and expert opinions are given, making this book highly unusual in the level of detail covered.

Trends in Renewable Energies Offshore Feb 08 2021 Renewable energy resources offshore are a growing contributor to the total energy production in a growing number of countries. As a result the interest in the topic is increasing. Trends in Renewable Energies Offshore includes the papers presented at the 5th International Conference on Renewable Energies Offshore (RENEW 2022, Lisbon, Portugal, 8-10 November 2022), and covers recent developments and experiences gained in concept development, design and operation of such devices. The scope of the contributions is broad, covering all aspects of renewable energies offshore activities, including: • Resource assessment • Tidal Energy • Wave Energy • Wind Energy • Solar Energy • Renewable Energy Devices • Multiuse Platforms • Maintenance planning • Materials and structural

design Trends in Renewable Energies Offshore will be of interest to academics and professionals involved or interested in applications of renewable energy resources offshore. The 'Proceedings in Marine Technology and Ocean Engineering' series is dedicated to the publication of proceedings of peer-reviewed international conferences dealing with various aspects of 'Marine Technology and Ocean Engineering'. The Series includes the proceedings of the following conferences: the International Maritime Association of the Mediterranean (IMAM) conferences, the Marine Structures (MARSTRUCT) conferences, the Renewable Energies Offshore (RENEW) conferences and the Maritime Technology (MARTECH) conferences. The 'Marine Technology and Ocean Engineering' series is also open to new conferences that cover topics on the sustainable exploration and exploitation of marine resources in various fields, such as maritime transport and ports, usage of the ocean including coastal areas, nautical activities, the exploration and exploitation of mineral resources, the protection of the marine environment and its resources, and risk analysis, safety and reliability. The aim of the series is to stimulate advanced education and training through the wide dissemination of the results of scientific research.

Advances in Communication, Signal Processing, VLSI, and Embedded Systems Oct 07 2020 This book comprises selected peer-reviewed papers from the International Conference on VLSI, Signal Processing, Power Systems, Illumination and Lighting Control, Communication and Embedded Systems (VSPICE-2019). The contents are divided into five broad topics - VLSI and embedded systems, signal processing, power systems, illumination and control, and communication and networking. The book focuses on the latest innovations, trends, and challenges encountered in the different areas of electronics and communication, and electrical engineering. It also offers potential solutions and provides an insight into various emerging areas such as image fusion, bio-sensors, and underwater sensor networks. This book can prove to be useful for academics and professionals interested in the various sub-fields of electronics and communication engineering.

Proceedings Second International Conference on Information Processing Aug 17 2021 The proceedings features several key-note addresses in the areas of advanced information processing tools. This area has been recognized to be one of the key five technologies poised to shape the modern society in the next decade. It aptly focuses on the tools and techniques for the development of Information Systems. Emphasis is on pattern recognition and image processing, software engineering, mobile ad hoc networks, security aspects in computer networks, signal processing and hardware synthesis, optimization techniques, data mining and information processing.