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Soil Testing for Engineers T. William Lambe 1951

Thermal Engineering R.K. Rajput 2005

Machining Engineering (Machine Elements) System and Computer Communications P. Venkata Krishna 2020-02-18

This book gathers selected papers presented at the 2nd International Conference on Computing, Communications, and Data Engineering, held at Sri Padmavati Mahila Viswavidyalayam, Tirupati, India from 1 to 2 Feb 2019. Chiefly discussing major issues and solutions in computing systems, the book is organized into three sections: wireless systems and IoT, machine learning, optimization, control, statistics, and social computing.

Basic electrical Engineering Arthur E. Fitzgerald 1945

Organic Polymers and Composite Material 2013-12-22 This book describes the identification of emerging organic pollutants, mainly from industrial sources, their associated toxicological threats, and the latest green methods and biotechnological solutions to abate harmful impacts on people and the environment. The chapters present recent trends on current pollution areas and describe the biotechnological opportunities to solve environmental problems. The book also covers a range of terrestrial and aquatic environments, with the aim of raising public awareness of these issues and providing chemists, toxicologists, biologists, and engineers with useful information to develop new technologies.

Readers will learn about the multi-dimensional applications of materials and processes which harvest energy from environmental remediation technologies, as well as the roles of biotechnology and nanotechnology in addressing high pollutant levels. The book is a valuable reference tool to draw energy through wastewater remediation, as this covers the primary means by which organic pollutants are introduced into the environment from industry and other sources. The book will be of use to pollution control boards, industry regulators, and students and researchers in the fields of biotechnology, biomaterial sciences, hydrology, and water CLASSICS.


Advances in Lightweight Materials and Structures A. Praveen Kumar 2020-10-13

This book presents select proceedings of the 3rd International Conference on Emerging Research and Development in Modern Engineering and Technology, held on 25-26 March 2020. The book covers a wide range of topics, including the design, analysis, processing, structures and various properties of lightweight materials. It provides a well-balanced insight into material science and structures of both synthetic and natural composites. The book includes topics such as nanocomposites for lightweight structures, impact and failure of structures, biomechanics and biomedical engineering, nanotechnology and micro-engineering, tool design and manufacturing for producing lightweight components, joining techniques for lightweight structures, and similar dissimilar materials, design for manufacturing, reliability and safety, and advanced technologies. The book also discusses recent research in composite materials and their applications in the field of aerospace, construction, wind energy, automotive, electronics and so on. Given the range of topics covered, this book can be used with theory with practice and suggestions. Further, reading this book will be of great interest to researchers and students involved in the wide ranging applications of lightweight structures.

Strategic Management: Arts Lidia Varbanova 2013-01-03

Strategic Management is an essential element that drives an organisation's thinking and entrepreneurial actions within the management function. Varbanova reviews the existing theories and models of strategic management and then relates these specifically to cultural organisations. Also included are sections on entrepreneurship and innovation. For students and researchers it is not only an invitation to the world of strategy within a constantly changing, complex environment. The book is structured to walk the reader through each element of the strategic plan systematically. With a fresh approach, key questions, examples, international cases to connect to the strategic management text. This book can be used with theory with practice and suggestions. Further, reading this book will be of great interest to researchers and students involved in the wide ranging applications of strategic planning, cultural management or arts management.

Advances in Computer Devices and Systems A. Praveen Kumar 2019-03-15

This book covers recent trends in the field of devices, wireless communication and networking. It presents the outcomes of the International Conference in Communication, Devices and Networking (ICCDN 2018), which was organized by the Department of Electronics and Communication Engineering, Sri Padmanabha Saraswathy College of Engineering, Tiruchirappalli, India on 2-3 June, 2018. Gathering cutting-edge research papers prepared by researchers, engineers and industry professionals, it will help young and experienced scientists and developers alike to explore new perspectives, and offer them inspirations on addressing real-world problems in this domain.

Aircraft Structures G. Lakshmi Narasiah 2011-07-12

Aircraft Structures concisely and comprehensively presents the basic aircraft design and analysis and is intended for students in aerospace and mechanical engineering. In three sections and twenty-two chapters, the book treats the fundamentals of aircraft design, excluding the engine and the avionics. The first part deals with the basics of structural analysis, including mechanics of materials, statics, and dynamics. The second part, basic structures, statically loaded, loads, bending and buckling of beams, bending and buckling of thin plates and shear flows, shear center and shear lag, airfoil profile, wing and fatigue are explained. The third section covers additional topics, such as box beams in wings, wing frames in fuselage, and longitudinal stiffeners. Airframe structures is an essential source of information for both students and engineering professionals who want to introduce themselves to the field.

Fatigue and Fracture F.C. Campbell 2012

This book emphasizes the physical and practical aspects of fatigue and fracture mechanics, the basics of fatigue, structural joints, high temperature failures, wear, environmentally-induced failures, and steps in the failure analysis process. -- publishers website.

Intelligent Systems and Computer Technology D.J. Hemanth 2020-12-15

Recent developments in soft-computation techniques have paved the way for handling huge volumes of data, thereby bringing about significant changes and technological advancements. This book presents the proceedings of the 3rd International Conference on Emerging Trends in Communication, Computing and Networking held at Rajalakshmi Engineering College, Chennai, India, from 25-26 March, 2020. The aim of the book is to disseminate cutting-edge developments taking place in the technological fields of intelligent systems and computer technology, thereby assisting researchers and practitioners from both institutions and industries in incorporating the latest advances in their research and development initiatives. The book also includes innovations and trendsetting initiatives to improve business values, optimize business processes and enable inclusive growth and development. "Computing is a platform for scientists, researchers, practitioners and academics to present and discuss their most recent innovations, trends and concerns, as well as the practical challenges encountered in the field. The second section, "Evolutionary Networking and Communications" focuses on various aspects of big data. The third section, "Networks and networking", including cloud and virtualization solutions, management technologies, and virtual application areas. It brings together the latest technologies from all over the world, and also provides an excellent international forum for the sharing of knowledge and the results from theory, methodology and applications in networking and communications. The book will be of interest to all those working in the fields of intelligent systems and computer technology.

Data Analytics and Management Ashish Khanna 2021-01-84

This book includes original unpublished presentations contributed at two different international conferences in the field of data analytics and management. The first conference, "Computing' is a platform for scientists, researchers, practitioners and academics to present and discuss their most recent innovations, trends and concerns, as well as the practical challenges encountered in the field. The second section, "Evolutionary Networking and Communications" focuses on various aspects of big data. The third section, "Networks and networking", including cloud and virtualization solutions, management technologies, and virtual application areas. It brings together the latest technologies from all over the world, and also provides an excellent international forum for the sharing of knowledge and the results from theory, methodology and applications in networking and communications. The book will be of interest to all those working in the fields of intelligent systems and computer technology.

Surgical Oncology A. Kirkwood 2009-11-17

A textbook of clinical surgical oncology, which presents the opinions of experts in the field along with the latest and unbiased review of the evidence. Each chapter contains not only a summary of the relevant cancer therapy literature, but also presents succinctly a list of landmark studies and a level of evidence for each topic. The book presents an evidence-based approach in surgical oncology. The book is organized into an introductory section and the main text, which is divided into four parts. Part One focuses on the surgical management of disease. An end-to-end surgical approach is presented. Each chapter presents the latest scientific literature and case studies to illustrate the principles of surgical oncology. Part Two discusses the principles of adjunct therapies emphasizing the need for a multidisciplinary approach. Each chapter presents the opinions of experts in the field along with the latest and unbiased review of the evidence. Each chapter contains not only a summary of the relevant cancer therapy literature, but also presents succinctly a list of landmark studies and a level of evidence for each topic. The book presents an evidence-based approach in surgical oncology. The book is organized into an introductory section and the main text, which is divided into four parts. Part One focuses on the surgical management of disease. An end-to-end surgical approach is presented. Each chapter presents the latest scientific literature and case studies to illustrate the principles of surgical oncology. Part Two discusses the principles of adjunct therapies emphasizing the need for a multidisciplinary approach.
techniques for embedded system design in a variety of applications. This also includes some of the latest software,

Although the design of embedded systems has been used in industrial practice for decades, the systematic design of such

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The volume is based on the best contributions to the 2nd GeoMEast International Congress and Exhibition on Sustainable

emissions. Individual chapters covers timely topics such as sustainable infrastructure, transportation, renewable

Applications ranging from biomedicine to warfare are driving rapid innovation and growth in the field, as the methods of planning cities to implement these new technologies. This book is ideally designed for engineers, developers, integrators, designers, developers, researchers, and technology developers seeking current research on technology implementation in urban settings.

India’s New Capitalists

V. RAGHAVAN 2015-05-01 This well-established and widely adopted book, now in its

The Research Anthology on Architectures, Frameworks, and Integration Strategies for Distributed and Cloud Computing

Engineering Thermodynamics

The book begins with a clear exposition of the background topics in chemical equilibrium, kinetics, atomic structure and chemical bonding. Then follows a detailed discussion on the structure of solids, crystal imperfections, phase diagrams, solid-state deformation and phase transformations. This provides a deep insight into the structural control necessary for optimizing the various properties of materials. The mechanical properties covered include elastic, anelastic and viscoelastic behaviour. The book is designed to give a detailed description of electrical conduction, superconductivity, semiconductors, and magnetic and dielectric properties. The final chapter on 'Nonmaterials' is an important addition to the sixth edition. It describes the state-of-art development in nanomaterials and their applications. The book is designed to make the analysis of all the relevant topics, but also makes them comprehensible to the students through the skillful use of well-drawn diagrams, illustrative tables, worked-out examples, and in many other ways. The book is primarily intended for undergraduate students of engineering and technology. It is also useful for researchers and professionals in Chemistry and Materials Science.

Callister’s Materials Science And Engineering: Indian Adaptation (W/C) B. R. Balasubramanian 2009-09 This accessible book provides readers with clear and concise discussions of key concepts while also incorporating familiar terminology. The author treats materials as classified by their primary function, emphasizing the advantages and limitations of each material class. Calcat's Materials Science and Engineering: Indian Adaptation is an engaging text that will instil in the beginners a holistic understanding of the subject.

The book also covers the paradigms shift in the sustainable development for the green environment in the post-pandemic era. It emphasizes and facilitates a greater understanding of existing available research i.e., theoretical, methodological, well-established and validated empirical work, associated with the environmental and climate change aspects.

Green Technological Innovation for Sustainable Smart Societies

Chimay Chakraborty 2023-01-15 This book discusses the importance of innovative and sustainable technologies in the fields of energy, environment, and sustainability. The book also covers the paradigms shift in the sustainable development for the green environment in the post-pandemic era. It emphasizes and facilitates a greater understanding of existing available research i.e., theoretical, methodological, well-established and validated empirical work, associated with the environmental and climate change aspects.

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Information Technology and Mobile Communication


The conference was held from 14-15, November 2018 in Bhubaneswar, Odisha, India. This volume contains papers mainly focused on Data Warehousing and Mining, Internet of Things, Machine Learning, Data Science, Big Data, Cloud Computing, and Computing, Evolutionary Computing, Big-Data enabled Computing and IoT.

DATA OPTIMIZATION FOR SMART AND CONNECTED CITIES
eey, Nilanjan 2018-09-07 To continue providing people with safe, secure, and efficient access, this book is geared toward advances that must incorporate techniques and technologies to bring them into the future. The integration of big data and interconnected technology, along with the increasing population, will lead to the necessary creation of smart cities. Big Data Analytics for Smart and Connected Cities is a pivotal reference source that provides vital research on the application of the integration of interconnected technologies and big data analytics into the creation of smart cities. While highlighting topics such as energy conservation, public transit planning, intelligent transportation systems, and public safety in urban environments, this book emphasizes the use of the latest and innovative facets of cloud-based Internet of Things systems including technical evaluations and comparisons of existing concepts. Featuring coverage on a broad range of topics such as fog computing, network programming, and mobile communications, this book is designed for engineers, professionals, researchers, and technology developers seeking current research on technology implementation in urban settings.

India’s New Capitalists

H. Damodaran 2008-06-25 In order to do business effectively in contemporary South Asia, it is necessary to understand the culture, the ethos, and the region’s new trading communities. In tracing the modern-day evolution of the business culture in India, this book uses social history to systematically document and understand India’s new entrepreneurial groups.

Examining Cloud Computing Technologies through the Internet of Things

Tomar, Pradeep 2017-11-30 The progressive convergence of technologies and the emergence of the Internet of Things (IoT) is pushing this topic into graduate and undergraduate curricula in electrical, mechanical, and biomedical engineering. The book is designed not only for engineering students, but can also be used by BSc/MS (Physics) and Diploma students. KEY FEATURES • Contains aim, components and equipment required, theory, circuit diagram, pin-outs of active devices, design of experiments, inputs and outputs, warning and precautions, full marks and space for the student to write and examination questions with their answers • Provides exposure on various devices TARGET AUDIENCE • B.Tech (Electronics and Communication Engineering, Electrical and Electronics Engineering, Biomedical Electronics, Instrumentation and Control, Information and Communication Technology) students. The book is designed for the B.Tech students of Electronics and Communication Engineering, Electrical and Electronics Engineering, Biomedical Electronics, Instrumentation and Control, Information and Communication Technology. The book is designed for the B.Tech students of Electronics and Communication Engineering, Electrical and Electronics Engineering, Biomedical Electronics, Instrumentation and Control, Information and Communication Technology.
Civil Infrastructures, Egypt 2018 – The official international congress of the Soil-Structure Interaction Group in Egypt (SSIGE).

Fundamentals of Electrical Engineering Dr. Yaduvir Singh 2010-02

Problems and Solutions in Engineering Mechanics S. S. Bhavikatti 2005

Problem Solving Is A Vital Requirement For Any Aspiring Engineer. This Book Aims To Develop This Ability In Students By Explaining The Basic Principles Of Mechanics Through A Series Of Graded Problems And Their Solutions. Each Chapter Begins With A Quick Discussion Of The Basic Concepts And Principles. It Then Provides Several Well Developed Solved Examples Which Illustrate The Various Dimensions Of The Concept Under Discussion. A Set Of Practice Problems Is Also Included To Encourage The Student To Test His Mastery Over The Subject. The Book Would Serve As An Excellent Text For Both Degree And Diploma Students Of All Engineering Disciplines. Amie Candidates Would Also Find It Most Useful.

Power Electronics with MATLAB L. Ashok Kumar 2017-11-24

"Discusses the essential concepts of power electronics through MATLAB examples and simulations"--