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## **KEY=ELECTRICAL - EZRA ANGIE**

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### **FUNDAMENTALS OF ELECTRICAL ENGINEERING**

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Laxmi Publications, Ltd.

### **BASIC ELECTRICAL ENGINEERING**

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### **ADVANCES IN COMMUNICATION AND COMPUTATIONAL TECHNOLOGY**

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### **SELECT PROCEEDINGS OF ICACCT 2019**

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*Springer Nature This book presents high-quality peer-reviewed papers from the International Conference on Advanced Communication and Computational Technology (ICACCT) 2019 held at the National Institute of Technology, Kurukshetra, India. The contents are broadly divided into four parts: (i) Advanced Computing, (ii) Communication and Networking, (iii) VLSI and Embedded Systems, and (iv) Optimization Techniques. The major focus is on emerging computing technologies and their applications in the domain of communication and networking. The book will prove useful for engineers and researchers working on physical, data link and transport layers of communication protocols. Also, this will be useful for industry professionals interested in manufacturing of communication devices, modems, routers etc. with enhanced computational and data handling capacities.*

### **ELECTRICAL POWER ENGINEERING**

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### **ADVANCES IN SIGNAL PROCESSING AND COMMUNICATION**

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### **SELECT PROCEEDINGS OF ICSC 2018**

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*Springer This book is a collection of selected peer-reviewed papers presented at the International Conference on Signal Processing and Communication (ICSC 2018). It covers current research and developments in the fields of communications, signal processing, VLSI circuits and systems, and embedded systems. The book offers in-depth discussions and analyses of latest problems across different sub-fields of signal processing and communications. The contents of this book will prove to be useful for students, researchers, and professionals working in electronics and electrical engineering, as well as other allied fields.*

### **ELECTRONIC SYSTEMS AND INTELLIGENT COMPUTING**

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### **PROCEEDINGS OF ESIC 2020**

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*Springer Nature This book presents selected, high-quality research papers from the International Conference on Electronic Systems and Intelligent Computing (ESIC 2020), held at NIT Yupia, Arunachal Pradesh, India, on 2 - 4 March 2020. Discussing the latest challenges and solutions in the field of smart computing, cyber-physical systems and intelligent technologies, it includes papers based on original theoretical, practical and experimental simulations, developments, applications, measurements, and testing. The applications and solutions featured provide valuable reference material for future product development.*

### **ADVANCES IN VLSI, COMMUNICATION, AND SIGNAL PROCESSING**

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### **SELECT PROCEEDINGS OF VCAS 2019**

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*Springer This book comprises select peer-reviewed papers from the International Conference on VLSI, Communication and Signal processing (VCAS) 2019, held at Motilal Nehru National Institute of Technology (MNNIT) Allahabad, Prayagraj, India. The contents focus on latest research in different domains of electronics and communication engineering, in particular microelectronics and VLSI design, communication systems and networks, and signal and image processing. The book also discusses the emerging applications of novel tools and techniques in image, video and multimedia signal processing. This book will be useful to students, researchers and professionals working in the electronics and communication domain.*

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## **DESIGN OF ELECTRICAL MACHINES**

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*Basic Consideration in Design \* Electrical Materials \* Magnetic Circuit Calculations \* Heating and Cooling H Design of Transformers \* Review Questions of Transformer Design H Armature Winding for D.C. Machines \* Design of D.C. Machines H Design of D.C. Motor Starter H Review Questions in Design of D.C. Machines H A.C. Armature Winding H Design of 3-Phase Induction Motors \* Single phase Induction Motors \* Review Questions of Induction Motors \* Design of Synchronous Machines \* Short Questions on Design of Synchronous Machines \* Computer Aided Design of Electrical Machines \* Design of Lifting Magnets \* Viva-voce Questions \* Appendix \* Standard Specifications and Design Data.*

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## **BASIC ELECTRICAL ENGINEERING**

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*S. Chand Publishing For close to 30 years, [Basic Electrical Engineering] has been the go-to text for students of Electrical Engineering. Emphasis on concepts and clear mathematical derivations, simple language coupled with systematic development of the subject aided by illustrations makes this text a fundamental read on the subject. Divided into 17 chapters, the book covers all the major topics such as DC Circuits, Units of Work, Power and Energy, Magnetic Circuits, fundamentals of AC Circuits and Electrical Instruments and Electrical Measurements in a straightforward manner for students to understand.*

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## **SUSTAINABLE COMMUNICATION NETWORKS AND APPLICATION**

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### **PROCEEDINGS OF ICSCN 2021**

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*Springer This book includes high-quality research papers presented at 3rd International Conference on Sustainable Communication Networks and Applications (ICSCN 2021), which is held at Surya Engineering College (SEC), Erode, India, during 29-30 July 2021. This book includes novel and state-of-the-art research discussions that articulate and report all research aspects, including theoretical and experimental prototypes and applications that incorporate sustainability into emerging applications. The book discusses and articulates emerging challenges in significantly reducing the energy consumption of communication systems and also explains development of a sustainable and energy-efficient mobile and wireless communication network. It includes best selected high-quality conference papers in different fields such as Internet of Things, cloud computing, data mining, artificial intelligence, machine learning, autonomous systems, deep learning, neural networks, renewable energy sources, sustainable wireless communication networks, QoS, network sustainability, and many other related areas.*

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### **PROCEEDINGS OF ICETIT 2019**

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### **EMERGING TRENDS IN INFORMATION TECHNOLOGY**

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*Springer Nature This book presents high-quality, original contributions (both theoretical and experimental) on Information Security, Machine Learning, Data Mining and Internet of Things (IoT). It gathers papers presented at ICETIT 2019, the 1st International Conference on Emerging Trends in Information Technology, which was held in Delhi, India, in June 2019. This conference series represents a targeted response to the growing need for research that reports on and assesses the practical implications of IoT and network technologies, AI and machine learning, data analytics and cloud computing, security and privacy, and next generation computing technologies.*

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### **PROCEEDINGS OF INTEGRATED INTELLIGENCE ENABLE NETWORKS AND COMPUTING**

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### **IIENC 2020**

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*Springer Nature This book presents best selected research papers presented at the First International Conference on Integrated Intelligence Enable Networks and Computing (IIENC 2020), held from May 25 to May 27, 2020, at the Institute of Technology, Gopeshwar, India (Government Institute of Uttarakhand Government and affiliated to Uttarakhand Technical University). The book includes papers in the field of intelligent computing. The book covers the areas of machine learning and robotics, signal processing and Internet of things, big data and renewable energy sources.*

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### **PROCEEDING OF THE SECOND INTERNATIONAL CONFERENCE ON MICROELECTRONICS, COMPUTING & COMMUNICATION SYSTEMS (MCCS 2017)**

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*Springer The volume presents high quality papers presented at the Second International Conference on Microelectronics, Computing & Communication Systems (MCCS 2017). The book discusses recent trends in technology and advancement in MEMS and nanoelectronics, wireless communications, optical communication, instrumentation, signal processing, image processing, bioengineering, green energy, hybrid vehicles, environmental science, weather forecasting, cloud computing, renewable energy, RFID, CMOS sensors, actuators, transducers, telemetry systems, embedded systems, and sensor network applications. It includes original papers based on original theoretical, practical, experimental, simulations, development, application, measurement, and testing. The applications and solutions discussed in the book will serve as a good reference material for future works.*

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### **PRINCIPLES OF MARKETING ENGINEERING, 2ND EDITION**

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*DecisionPro The 21st century business environment demands more analysis and rigor in marketing decision making. Increasingly, marketing decision making resembles design engineering-putting together concepts, data, analyses, and simulations to learn about the marketplace and to design effective marketing plans. While many view traditional marketing as art and some view it as science, the new marketing increasingly looks like engineering (that is, combining art and science to solve specific problems). Marketing Engineering is the systematic approach to harness data and knowledge to drive effective marketing decision making and*

implementation through a technology-enabled and model-supported decision process. (For more information on Excel-based models that support these concepts, visit [DecisionPro.biz](http://DecisionPro.biz).) We have designed this book primarily for the business school student or marketing manager, who, with minimal background and technical training, must understand and employ the basic tools and models associated with Marketing Engineering. We offer an accessible overview of the most widely used marketing engineering concepts and tools and show how they drive the collection of the right data and information to perform the right analyses to make better marketing plans, better product designs, and better marketing decisions. What's New In the 2nd Edition While much has changed in the nearly five years since the first edition of *Principles of Marketing Engineering* was published, much has remained the same. Hence, we have not changed the basic structure or contents of the book. We have, however Updated the examples and references. Added new content on customer lifetime value and customer valuation methods. Added several new pricing models. Added new material on "reverse perceptual mapping" to describe some exciting enhancements to our Marketing Engineering for Excel software. Provided some new perspectives on the future of Marketing Engineering. Provided better alignment between the content of the text and both the software and cases available with Marketing Engineering for Excel 2.0.

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## **SOFT COMPUTING FOR PROBLEM SOLVING**

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### **SOCPROS 2018, VOLUME 2**

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Springer Nature 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.

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## **RECENT INNOVATIONS IN COMPUTING**

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### **PROCEEDINGS OF ICRIC 2020**

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Springer Nature This book features selected papers presented at the 3rd International Conference on Recent Innovations in Computing (ICRIC 2020), held on 20–21 March 2020 at the Central University of Jammu, India, and organized by the university's Department of Computer Science & Information Technology. It includes the latest research in the areas of software engineering, cloud computing, computer networks and Internet technologies, artificial intelligence, information security, database and distributed computing, and digital India.

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## **BASIC ELECTRICAL AND ELECTRONICS ENGINEERING**

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### **FEC 105 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING**

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### **REACHING ZERO WITH RENEWABLES**

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International Renewable Energy Agency (IRENA) Energy emissions from industry and transport could be cut to zero by 2060 with proactive policies and investments. Renewables will be crucial.

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### **ICCCE 2020**

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## **PROCEEDINGS OF THE 3RD INTERNATIONAL CONFERENCE ON COMMUNICATIONS AND CYBER PHYSICAL ENGINEERING**

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Springer Nature 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.

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## **POWER ELECTRONICS AND RENEWABLE ENERGY SYSTEMS**

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### **PROCEEDINGS OF ICPERES 2014**

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Springer The book is a collection of high-quality peer-reviewed research papers presented in the Proceedings of International Conference on Power Electronics and Renewable Energy Systems (ICPERES 2014) held at Rajalakshmi Engineering College, Chennai, India. These research papers provide the latest developments in the broad area of Power Electronics and Renewable Energy. The book discusses wide variety of industrial, engineering and scientific applications of the emerging techniques. It presents invited papers from the inventors/originators of new applications and advanced technologies.

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## **PROCEEDINGS OF ICRIC 2019**

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### **RECENT INNOVATIONS IN COMPUTING**

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*Springer Nature* This book presents high-quality, original contributions (both theoretical and experimental) on software engineering, cloud computing, computer networks & internet technologies, artificial intelligence, information security, and database and distributed computing. It gathers papers presented at ICRIC 2019, the 2nd International Conference on Recent Innovations in Computing, which was held in Jammu, India, in March 2019. This conference series represents a targeted response to the growing need for research that reports on and assesses the practical implications of IoT and network technologies, AI and machine learning, cloud-based e-Learning and big data, security and privacy, image processing and computer vision, and next-generation computing technologies.

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### **ADVANCED STRUCTURAL CERAMICS**

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*John Wiley & Sons* This book covers the area of advanced ceramic composites broadly, providing important introductory chapters to fundamentals, processing, and applications of advanced ceramic composites. Within each section, specific topics covered highlight the state of the art research within one of the above sections. The organization of the book is designed to provide easy understanding by students as well as professionals interested in advanced ceramic composites. The various sections discuss fundamentals of nature and characteristics of ceramics, processing of ceramics, processing and properties of toughened ceramics, high temperature ceramics, nanoceramics and nanoceramic composites, and bioceramics and biocomposites.

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### **EXPERT CLOUDS AND APPLICATIONS**

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## **PROCEEDINGS OF ICOECA 2021**

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*Springer Nature* This book features original papers from International Conference on Expert Clouds and Applications (ICOECA 2021), organized by GITAM School of Technology, Bangalore, India during February 18–19, 2021. It covers new research insights on artificial intelligence, big data, cloud computing, sustainability, and knowledge-based expert systems. The book discusses innovative research from all aspects including theoretical, practical, and experimental domains that pertain to the expert systems, sustainable clouds, and artificial intelligence technologies.

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### **SUSTAINABLE WASTE MANAGEMENT: POLICIES AND CASE STUDIES**

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## **7TH ICONSWM—ISWMAW 2017, VOLUME 1**

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*Springer* The book presents high-quality research papers from the Seventh International Conference on Solid Waste Management (IconSWM 2017), held at Professor Jayashankar Telangana State Agricultural University, Hyderabad on December 15–17, 2017. The conference, an official side event of the high-level Intergovernmental Eighth Regional 3R Forum in Asia and the Pacific, aimed to generate scientific inputs into the policy consultation of the Forum co-organized by the UNCRD/UNDESA, MoEFCC India, MOUD India and MOEJ, Japan. Presenting research on solid waste management from more than 30 countries, the book is divided into three volumes and addresses various issues related to innovation and implementation in sustainable waste management, segregation, collection, transportation of waste, treatment technology, policy and strategies, energy recovery, life cycle analysis, climate change, research and business opportunities.

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## **PROCEEDINGS OF INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTING, INFORMATION AND CONTROL SYSTEMS**

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### **ICICCS 2020**

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*Springer Nature* This book is a collection of papers presented at the International Conference on Intelligent Computing, Information and Control Systems (ICICCS 2020). It encompasses various research works that help to develop and advance the next-generation intelligent computing and control systems. The book integrates the computational intelligence and intelligent control systems to provide a powerful methodology for a wide range of data analytics issues in industries and societal applications. The book also presents the new algorithms and methodologies for promoting advances in common intelligent computing and control methodologies including evolutionary computation, artificial life, virtual infrastructures, fuzzy logic, artificial immune systems, neural networks and various neuro-hybrid methodologies. This book is pragmatic for researchers, academicians and students dealing with mathematically intransigent problems.

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### **INFORMATION TECHNOLOGY AND MOBILE COMMUNICATION**

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## **INTERNATIONAL CONFERENCE, AIM 2011, NAGPUR, MAHARASHTRA, INDIA, APRIL 21-22, 2011, PROCEEDINGS**

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*Springer Science & Business Media* This book constitutes the refereed proceedings of the International Conference on Advances in Information Technology and Mobile Communication, AIM 2011, held at Nagpur, India, in April 2011. The 31 revised full papers presented together with 27 short papers and 34 poster papers were carefully reviewed and selected from 313 submissions. The papers cover all current issues in theory, practices, and applications of Information Technology, Computer and Mobile Communication Technology and related topics.

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### **HIGH-POWER CONVERTERS AND AC DRIVES**

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*John Wiley & Sons* This book presents the latest cutting-edge technology in high-power converters and medium voltage drives, and provides a complete analysis of various converter topologies, modulation techniques, practical drive configurations, and advanced

control schemes. Supplemented with more than 250 illustrations, the author illustrates key concepts with simulations and experiments. Practical problems, along with accompanying solutions, are presented to help you tackle real-world issues.

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## **ICORD'13**

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### **GLOBAL PRODUCT DEVELOPMENT**

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*Springer Science & Business Media* This book showcases over 100 cutting-edge research papers from the 4th International Conference on Research into Design (ICoRD'13) - the largest in India in this area - written by eminent researchers from over 20 countries, on the design process, methods and tools, for supporting global product development (GPD). The special features of the book are the variety of insights into the GPD process, and the host of methods and tools at the cutting edge of all major areas of design research for its support. The main benefit of this book for researchers in engineering design and GPD are access to the latest quality research in this area; for practitioners and educators, it is exposure to an empirically validated suite of methods and tools that can be taught and practiced.

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### **SUSTAINABLE COMMUNICATION NETWORKS AND APPLICATION**

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#### **ICSCN 2019**

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*Springer* 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.

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### **AN INTEGRATED COURSE IN ELECTRICAL ENGINEERING (3RD EDITION)**

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*Seagull Books Pvt Ltd*

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#### **OUR FRUGAL FUTURE**

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#### **LESSONS FROM INDIA'S INNOVATION SYSTEM**

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#### **INTERNATIONAL BUSINESS**

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#### **STRATEGY AND THE MULTINATIONAL COMPANY**

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*Routledge* This book covers the same material and more when compared with other international business texts, yet it is priced for the student's pocketbook. A new international business text for a new and ever changing global environment. With a unique chapter covering International E-Commerce, Cullen is written in a unique way. Issues link the chapters. The logic is that to choose and implement strategies in international business, you need to understand the global, institutional, and cultural environment. In turn, you need to align functional strategies to support the more general multinational strategies. From the student's point of view, the approach is designed to answer the questions of "why do I really need to know all of this stuff?" Unfortunately, the companion website for this book is no longer available. If you would like access to the materials, please contact [SalesHSS@taylorandfrancis.com](mailto:SalesHSS@taylorandfrancis.com).

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#### **INDIA'S NEW CAPITALISTS**

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#### **CASTE, BUSINESS, AND INDUSTRY IN A MODERN NATION**

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*Hachette UK* It's no secret that certain social groups have predominated India's business and trading history, with business traditionally being the preserve of particular 'Bania' communities. However, the past four or so decades have seen a widening of the social base of Indian capital, such that the social profile of Indian business has expanded beyond recognition, and entrepreneurship and commerce in India are no longer the exclusive bastion of the old mercantile castes. In this meticulously researched book - acclaimed for being the first social history to document and understand India's new entrepreneurial groups - Harish Damodaran looks to answer who the new 'wealth creators' are, as he traces the transitional entry of India's middle and lower peasant castes into the business world. Combining analytical rigour with journalistic flair, *India's New Capitalists* is an essential read for anyone seeking to understand the culture and evolution of business in contemporary South Asia.

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### **THEORY AND PROBLEMS OF BASIC ELECTRICAL ENGINEERING,, SECOND EDITION**

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#### **SECOND EDITION**

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*PHI Learning Pvt. Ltd.* This comprehensive book with a blend of theory and solved problems on Basic Electrical Engineering has been updated and upgraded in the Second Edition as per the current needs to cater undergraduate students of all branches of engineering and to all those who are appearing in competitive examinations such as AMIE, GATE and graduate IETE. The text provides a lucid yet exhaustive exposition of the fundamental concepts, techniques and devices in basic electrical engineering through a series of carefully crafted solved examples, multiple choice (objective type) questions and review questions. The book covers, in general, three major areas: electric circuit theory, electric machines, and measurement and instrumentation systems.

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## **DESIGN OF ELECTRICAL MACHINES**

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*New Age International*

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## **INNOVATION POLICY**

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## **A GUIDE FOR DEVELOPING COUNTRIES**

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*World Bank Publications* This volume offers a detailed conceptual framework for understanding and learning about technology innovation policies and programs, and their implementation in the context of different countries.

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## **OPERATIONS RESEARCH**

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*New Age International*

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## **ENERGY CONVERSION SYSTEMS**

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## **AN OVERVIEW**

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*Nova Science Publishers* "This edited book is intended to serve as a resource for engineers, scientists and specialists engaged in becoming familiarized with green energy conversion for a clean atmosphere with an adaption of 'more-renewable' for power generation. The book is comprised of nine original chapters dealing with state-of-the-design exercises on power conversion/storage technologies. It highlights the critical features of energy technology for green engineering for the future. This edited volume is an extensive collection of state-of-the-art studies on the subject"--

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## **DATA SCIENCE AND ANALYTICS**

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## **4TH INTERNATIONAL CONFERENCE ON RECENT DEVELOPMENTS IN SCIENCE, ENGINEERING AND TECHNOLOGY, REDSET 2017, GURGAON, INDIA, OCTOBER 13-14, 2017, REVISED SELECTED PAPERS**

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*Springer* This book constitutes the refereed proceedings of the 4th International Conference on Recent Developments in Science, Engineering and Technology, REDSET 2017, held in Gurgaon, India, in October 2017. The 66 revised full papers presented were carefully reviewed and selected from 329 submissions. The papers are organized in topical sections on big data analysis, data centric programming, next generation computing, social and web analytics, security in data science analytics.

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## **ELECTRODE MATERIALS FOR ENERGY STORAGE AND CONVERSION**

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*CRC Press* This book provides a comprehensive overview of the latest developments and materials used in electrochemical energy storage and conversion devices, including lithium-ion batteries, sodium-ion batteries, zinc-ion batteries, supercapacitors and conversion materials for solar and fuel cells. Chapters introduce the technologies behind each material, in addition to the fundamental principles of the devices, and their wider impact and contribution to the field. This book will be an ideal reference for researchers and individuals working in industries based on energy storage and conversion technologies across physics, chemistry and engineering.

**FEATURES** Edited by established authorities, with chapter contributions from subject-area specialists Provides a comprehensive review of the field Up to date with the latest developments and research Editors Dr. Mesfin A. Kebede obtained his PhD in Metallurgical Engineering from Inha University, South Korea. He is now a principal research scientist at Energy Centre of Council for Scientific and Industrial Research (CSIR), South Africa. He was previously an assistant professor in the Department of Applied Physics and Materials Science at Hawassa University, Ethiopia. His extensive research experience covers the use of electrode materials for energy storage and energy conversion. Prof. Fabian I. Ezema is a professor at the University of Nigeria, Nsukka. He obtained his PhD in Physics and Astronomy from University of Nigeria, Nsukka. His research focuses on several areas of materials science with an emphasis on energy applications, specifically electrode materials for energy conversion and storage.

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