

High Voltage Engineering Dhanpat Rai Publications

Fundamentals of Computing and Programming in C
 A Text Book On Power System Engineering
 Indian Books in Print
 IEEE Circuits & Devices
 IETE Technical Review
 Design, Optimization and Control
 Theory and Practice, Second Edition, Revised and Expanded
 Theory, Implementation and Analysis
 Conference Proceedings
 The Indian Textile Journal
 Power System Engineering
 Modern Power System Analysis
 Theory and Practice, Second Edition, Revised and Expanded
 Hindi Vibhāga
 ELECTRIC POWER GENERATION
 AN INTRODUCTION TO HIGH VOLTAGE ENGINEERING
 Proceedings of the International Conference on Computational Science and Engineering (Beliaghata, Kolkata, India, 4-6 October 2016)
 TRANSMISSION AND DISTRIBUTION
 Index to IEEE Publications
 Bulletin of the Institution of Engineers (India).
 Monthly Index of Russian Accessions
 A TEXTBOOK OF ENGINEERING CHEMISTRY
 Electrical Engineering Division
 Tidal Energy Systems
 Proceedings of Mechanical Engineering Research Day 2017
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 Network Analysis & Synthesis (Including Linear System Analysis)
 Fundamentals of Electrical Drives
 POWER SYSTEM ENGINEERING 2E
 Utilisation of Electrical Power
 High-Voltage Engineering
 Computational Science and Engineering
 7th New Delhi World Book Fair, 7-17 February 1986
 International Books in Print
 Directory
 Programming and Interfacing with Arduino
 High Voltage Test Techniques
 Tribology in Electrical Environments

High Voltage Engineering Dhanpat Rai Publications

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Fundamentals of Computing and Programming in C Tata McGraw-Hill Education

This e-book is a compilation of papers presented at the Mechanical Engineering Research Day 2017 (MERD'17) - Melaka, Malaysia on 30 March 2017.

A Text Book On Power System Engineering Elsevier

High Voltage Engineering High-Voltage Engineering Theory and Practice, Second Edition, Revised and Expanded CRC Press

Indian Books in Print Firewall Media

With distributed generation interconnection power flow becoming bidirectional, culminating in network problems, smart grids aid in electricity generation, transmission, substations, distribution and consumption to achieve a system that is clean, safe (protected), secure, reliable, efficient, and sustainable. This book illustrates fault analysis, fuses, circuit breakers, instrument transformers, relay technology, transmission lines protection setting using DIGSILENT Power Factory. Intended audience is senior undergraduate and graduate students, and researchers in power systems, transmission and distribution, protection system broadly under electrical engineering.

IEEE Circuits & Devices PHI Learning Pvt. Ltd.

Semiannual, with semiannual and annual indexes. References to all scientific and technical literature coming from DOE, its laboratories, energy centers, and contractors. Includes all works deriving from DOE, other related government-sponsored information, and foreign nonnuclear information.

Arranged under 39 categories, e.g., Biomedical sciences, basic studies; Biomedical sciences, applied studies; Health and safety; and Fusion energy. Entry gives bibliographical information and abstract. Corporate, author, subject, report number indexes.

IETE Technical Review Elsevier

Programming and Interfacing with Arduino provides an in-depth understanding of the Arduino UNO board. It covers programming concepts, working and interfacing of sensors, input/output devices, communication modules, and actuators with Arduino UNO board. This book contains a large number of programming examples along with the description and interfacing details of hardware with Arduino UNO board. It discusses important topics, including SPI communication protocol, I2C communication protocol, light-emitting diode, potentiometer, analog-to-digital converter, pulse width modulation, temperature sensor LM35, humidity and temperature sensor DHT11, motor driver L293D, LED interfacing and programming, and push-button interfacing and programming. Aimed at senior undergraduate students and professionals in areas such as electrical engineering, electronics, and communication engineering, this text: Discusses construction and working of sensors, including ultrasonic sensor, temperature sensor, and optical sensor. Covers construction, working, programming, and interfacing of IO devices. Discusses programming, interfacing construction, and working of relay with the Arduino board for controlling high-voltage devices. Covers interfacing diagram of devices with the Arduino board. Provides videos demonstrating the implementation of programs on the Arduino board.

Design, Optimization and Control Centre for Advanced Research on Energy

Any good text book, particularly that in the fast changing fields such as engineering & technology, is not only expected to cater to the current curricular requirements of various institutions but also should provide a glimpse towards the latest developments in the concerned subject and the

relevant disciplines. It should guide the periodic review and updating of the curriculum.

Theory and Practice, Second Edition, Revised and Expanded Gramedia Pustaka Utama

This book summarises work done and experience gained over the past three decades in the area of tribology in electrical environments. It takes a close look at behaviour and response characteristics of rolling-element, and hydrodynamic journal & thrust bearings working under the influence of electrical current. Detailed analysis plugs the existing knowledge gaps in the area of tribology in electrical environments. This is because the genesis of intermolecular forces during tribological interaction involves electrostatic attraction or repulsion that creates electro-dynamic, magnetic and exchange forces between atoms. Therefore all tribological phenomena occurring in any interacting system is electrical in nature. Keep your collection up-to date with the latest volume from Elsevier's Tribology and Interface Engineering Book Series Includes 'real life' case studies

Theory, Implementation and Analysis Springer Science & Business Media

Issues for 1973- cover the entire IEEE technical literature.

Conference Proceedings New Age International

This Book Has Been Designed As A Basic Text For Undergraduate Students Of Electrical, Electronics And Communication And Computer Engineering. In A Systematic And Friendly Manner, The Book Explains Not Only The Fundamental Concepts Like Circuit Elements, Kirchhoff's Laws, Network Equations And Resonance, But Also The Relatively Advanced Topics Like State Variable Analysis, Modern Filters, Active RC Filters And Sensitivity Considerations. Salient Features * Basic Circuit Elements, Time And Periodic Signals And Different Types Of Systems Defined And Explained. * Network Reduction Techniques And Source Transformation Discussed. * Network Theorems Explained Using Typical Examples. * Solution Of Networks Using Graph Theory Discussed. * Analysis Of First Order, Second Order Circuits And A Perfect Transform Using Differential Equations Discussed. * Theory And Application Of Fourier And Laplace Transforms Discussed In Detail. * Interconnections Of Two-Port Networks And Their Performance In Terms Of Their Poles And Zeros Emphasised. * Both Foster And Cauer Forms Of Realisation Explained In Network Synthesis. * Classical And Modern Filter Theory Explained. * Z-Transform For Discrete Systems Explained. * Analogous Systems And Spice Discussed. * Numerous Solved Examples And Practice Problems For A Thorough Graph Of The Subject. * A Huge Question Bank Of Multiple Choice Questions With Answers Exhaustively Covering The Topics Discussed. With All These Features, The Book Would Be Extremely Useful Not Only For Undergraduate Engineering Students But Also For Amie And Gate Candidates And Practising Engineers.

The Indian Textile Journal CRC Press

Encouraged by the response to the first edition and to keep pace with recent developments, Fundamentals of Electrical Drives, Second Edition incorporates greater details on semi-conductor controlled drives, includes coverage of permanent magnet AC motor drives and switched reluctance motor drives, and highlights new trends in drive technology. Contents were chosen to satisfy the changing needs of the industry and provide the appropriate coverage of modern and conventional drives. With the large number of examples, problems, and solutions provided, Fundamentals of Electrical Drives, Second Edition will continue to be a useful reference for practicing engineers and for those preparing for Engineering Service Examinations.

Power System Engineering New Age International

Computational Science and Engineering contains peer-reviewed research presented at the International Conference on Computational Science and Engineering (RCC Institute of Information Technology, Kolkata, India, 4-6 October 2016). The contributions cover a wide range of topics: - electronic devices - photonics - electromagnetics - soft computing - artificial intelligence - modern communication systems Focussing on strong theoretical and methodological approaches and applications, Computational Science and Engineering will be of interest to academia and professionals involved or interested in the above mentioned domains.

Modern Power System Analysis Tata McGraw-Hill Education

"Bridges the gap between laboratory research and practical applications in industry and power utilities-clearly organized into three distinct sections that cover basic theories and concepts, execution of principles, and innovative new techniques. Includes new chapters detailing industrial uses and issues of hazard and safety, and review exercises to accompany each chapter."

Theory and Practice, Second Edition, Revised and Expanded CRC Press

This accessible text, now in its Second Edition, continues to provide a comprehensive coverage of electric power generation, transmission and distribution, including the operation and management of different systems in these areas. It gives an overview of the basic principles of electrical engineering and load characteristics and provides exhaustive system-level description of several power plants, such as thermal, electric, nuclear and gas power plants. The book fully explores the basic theory and also covers emerging concepts and technologies. The conventional topics of transmission subsystem including HVDC transmission are also discussed, along with an introduction to new technologies in power transmission and control such as Flexible AC Transmission Systems (FACTS). Numerous solved examples, inter-spersed throughout, illustrate the concepts discussed. What is New to This Edition : Provides two new chapters on Diesel Engine Power Plants and Power System Restructuring to make the students aware of the changes taking place in the power system industry. Includes more solved and unsolved problems in each chapter to enhance the problem solving skills of the students. Primarily designed as a text for the undergraduate students of electrical engineering, the book should also be of great value to power system engineers.

Hindi Vibhāga CRC Press

The second edition of High Voltage Test Techniques has been completely revised. The present revision takes into account the latest international developments in High Voltage and Measurement technology, making it an essential reference for engineers in the testing field. High Voltage

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Technology belongs to the traditional area of Electrical Engineering. However, this is not to say that the area has stood still. New insulating materials, computing methods and voltage levels repeatedly pose new problems or open up methods of solution; electromagnetic compatibility (EMC) or components and systems also demand increased attention. The authors hope that their experience will be of use to students of Electrical Engineering confronted with High Voltage problems in their studies, in research and development and also in the testing field. Benefit from a completely revised edition Brings you up-to-date with the latest international developments in High Voltage and Measurement technology An essential reference for engineers in the testing field

ELECTRIC POWER GENERATION PHI Learning Pvt. Ltd.

"Bridges the gap between laboratory research and practical applications in industry and power utilities-clearly organized into three distinct sections that cover basic theories and concepts, execution of principles, and innovative new techniques. Includes new chapters detailing industrial uses and issues of hazard and safety, and review exercises to accompany each chapter."

Vikas Publishing House

This concise textbook is intended for undergraduate students of electrical engineering offering a course in high voltage engineering. Written in an easy-to-understand style, the text acquaints students with the physical phenomena and technical problems associated with high voltages in power systems. A complete quantitative description of the topics in high voltage engineering is difficult because of the statistical nature of the electrical breakdown phenomena in insulators. With this in mind, this book has been written to provide a basic treatment of high voltage engineering qualitatively, and wherever necessary quantitatively. Special emphasis has been laid on breakdown mechanisms in gaseous dielectrics as it helps students gain a sound conceptual base for appreciating high voltage problems. The origin and nature of lightning and switching overvoltages occurring in power systems have been explained and illustrated with practical observations. Protection of high voltage insulation against such overvoltages has also been discussed lucidly. Concept of modern digital methods of high voltage testing of insulators, transformers, and cables has been explained. Solved problems help students develop a critical appreciation of the concepts discussed. End-of-chapter questions enable students to obtain a more in-depth understanding of the key concepts.

AN INTRODUCTION TO HIGH VOLTAGE ENGINEERING New Age International

This hallmark text on Power System Engineering has been revised extensively to bring in several new topics and update the contents with the latest technological developments. The book now covers the complete undergraduate syllabus of Power System Engineering course. All topics are supported with examples employing two/three/four bus structures.

Proceedings of the International Conference on Computational Science and Engineering (Beliaghata, Kolkata, India, 4-6 October 2016) Elsevier

This Book Is Written For Use As A Textbook For The Engineering Students Of All Disciplines At The First Year Level Of The B.Tech. Programme. The Text Material Will Also Be Useful For Electrical Engineering Students At Their Second Year And Third Year Levels. It Contains Four Parts, Namely, Electrical Circuit Theory, Electromagnetism And Electrical Machines, Electrical Measuring Instruments, And Lastly The Introduction To Power Systems. This Book Also Contains A Good Number Of Solved And Unsolved Numerical Problems. At The End Of Each Chapter References Are Included For Those Interested In Pursuing A Detailed Study.

TRANSMISSION AND DISTRIBUTION Tata McGraw-Hill Education

Tidal Energy Systems: Design, Optimization and Control provides a comprehensive overview of concepts, technologies, management and the control of tidal energy systems and tidal power plants. It presents the fundamentals of tidal energy, including the structure of tidal currents and turbulence. Technology, principles, components, operation, and a performance assessment of each component are also covered. Other sections consider pre-feasibility analysis methods, plant operation, maintenance and power generation, reliability assessment in terms of failure distribution, constant failure rate and the time dependent failure model. Finally, the most recent research advances and future trends are reviewed. In addition, applicable real-life examples and a case study of India's tidal energy scenario are included. The book provides ocean energy researchers, practitioners and graduate students with all the information needed to design, deploy, manage and operate tidal energy systems. Senior undergraduate students will also find this to be a useful resource on the fundamentals of tidal energy systems and their components. Presents the fundamentals of tidal energy, including system components, pre-feasibility analysis, and plant management, operations and control Explores concepts of sustainability and a reliability analysis of tidal energy systems, as well as their economic aspects and future trends Covers the assessment of tidal energy systems by optimization technique and game theory

Index to IEEE Publications CRC Press

High Voltage Engineering Has Been Written For The Undergraduate Students In Electrical Engineering Of Indian And Foreign Universities As Well As The Practising Engineers. It Deals In Mechanism Of Breakdown Of Insulating Materials, Generation And Measurement Of High A.C., D.C., Impulse Voltages And Currents. High Voltage Testing Of Some Of The Electrical Equipments E.G. Insulators, Cables, Transformers As Per Standard Specifications Has Been Explained. Various Methods Of Non Destructive Testing Which Yield Information Regarding Life Expectancy And The Long Term Stability Or Otherwise Of The Insulating Materials Have Been Discussed. The Book Takes A View Of Various Types Of Transients In Power System And Suggests Classical And More Modern Statistical Methods Of Co-Ordinating The Insulation Requirements Of The System. A Suitable Number Of Problems Have Been Solved To Help Understand The Theory. At The End, A Large Number Of Multiple Choice Questions Have Been Added To Help The Students To Test Themselves. A Few Photoplates Have Been Added At Suitable Locations In The Book To Give A Physical Feel Of Various Equipments In A Well Equipped High Voltage Laboratory.

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