
Transformer Design By Indrajit Dasgupta

Design of Transformers

Power Transformers Quality Assurance

Sentiment Analysis and Opinion Mining

Practical Design Guide

Handbook of Information Security, Information Warfare, Social, Legal, and International Issues and Security Foundations

Basic Concepts of Electrical Engineering

Design of Transformers

Proceedings of IEMIS 2020, Volume 2

Grand Delusions

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2021 Devices for Integrated Circuit (DevIC)

Computational Intelligence in Pattern Recognition

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Electric Machine, Transformer, and Power Equipment Design

Alternating Current Machines

Interdisciplinary Research in Technology and Management

Theory, Algorithms, and Applications

Computational Intelligence

Handbook of Information Security, Threats, Vulnerabilities, Prevention, Detection, and Management

Nature-Inspired Computing: Concepts, Methodologies, Tools, and Applications

Adult Coloring Book Trains Edition

Magnetic Materials and Their Applications

A Short Biography of Kolkata

Proceedings of the International Conference on Interdisciplinary Research in Technology and Management (IRTM, 2021), 26-28

February, 2021, Kolkata, India

Emerging Technologies in Data Mining and Information Security

Spotlight on Modern Transformer Design
Optimum-Path Forest
Design and Practice
Advances in Computer and Computational Sciences
Engineering Electrodynamics
Digital Microfluidic Biochips
Publishers' International ISBN Directory 2015
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Smart Structures Theory
Theoretical Advances and Advanced Applications
Power Transformers
Management Strategies and Skills
Power and Distribution Transformers
Proceedings of CIPR 2019

Transformer Design By Indrajit Dasgupta

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Design of Transformers Springer

This book presents high-quality papers from the Fourth International Conference on Microelectronics, Computing & Communication Systems (MCCS 2019). It discusses the latest technological trends and advances in MEMS and nanoelectronics, wireless communication, 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 papers based on original theoretical, practical and experimental simulations, development, applications, measurements and testing. The applications and solutions discussed here provide excellent reference material for future product development. Power Transformers Quality Assurance K.G. Saur Verlag
The Handbook of Information Security is a definitive 3-volume handbook that offers coverage of both established and cutting-edge theories and developments on information and computer security. The text contains 180 articles from over 200 leading experts, providing the benchmark resource for information security, network security, information privacy, and information warfare.

Sentiment Analysis and Opinion Mining Academic Press

Currently, the installed capacity of power generation in India is 104,917 MW and by 2012 another 100,000 MW will be added. With this addition, the requirement of power and distribution transformers will grow enormously, as will the emphasis on quality and performance. The design of a transformer is critical to its quality as are men, machines and materials. This book is a hands-on guide covering design, process control of manufacturing technique, installation, erection, commissioning and maintenance of distribution transformers. It also covers failure analysis and remedial measures for increasing the longevity of transformers. Apart from explaining the design aspect of transformers, the book lists the requirements of ISO 9000 in the process of manufacturing technique up to the final stages of product testing, inspection and despatch.

Practical Design Guide CRC Press

Currently, the installed capacity of power generation in India is 104,917 MW and by 2012 another 100,000 MW will be added. With this addition, the requirement of power and distribution transformers will grow enormously, as will the emphasis on quality an.

John Wiley & Sons

This book features research papers presented at the International Conference on Emerging Technologies in Data Mining and Information Security (IEMIS 2020) held at the University of Engineering & Management, Kolkata, India, during July 2020. The book is organized in three volumes and includes high-quality research work by academicians and industrial experts in the field of computing and communication, including full-length papers, research-in-progress papers and case studies related to all the

areas of data mining, machine learning, Internet of things (IoT) and information security.

Handbook of Information Security, Information Warfare, Social, Legal, and International Issues and Security Foundations CRC Press

This book focuses on smart materials and structures, which are also referred to as intelligent, adaptive, active, sensory, and metamorphic. The ultimate goal is to develop biologically inspired multifunctional materials with the capability to adapt their structural characteristics, monitor their health condition, perform self-diagnosis and self-repair, morph their shape, and undergo significant controlled motion.

Basic Concepts of Electrical Engineering CRC Press

Optimum-Path Forest: Theory, Algorithms, and Applications was first published in 2008 in its supervised and unsupervised versions with applications in medicine and image classification.

Since then, it has expanded to a variety of other applications such as remote sensing, electrical and petroleum engineering, and biology. In recent years, multi-label and semi-supervised versions were also developed to handle video classification problems. The book presents the principles, algorithms and applications of Optimum-Path Forest, giving the theory and state-of-the-art as well as insights into future directions. Presents the first book on Optimum-path Forest Shows how it can be used with Deep Learning Gives a wide range of applications Includes the methods, underlying theory and applications of Optimum-Path Forest (OPF)

Design of Transformers John Wiley & Sons

This book gathers high-quality research papers presented at the

Global AI Congress 2019, which was organized by the Institute of Engineering and Management, Kolkata, India, on 12-14 September 2019. Sharing contributions prepared by researchers, practitioners, developers and experts in the areas of artificial intelligence, the book covers the areas of AI for E-commerce and web applications, AI and sensors, augmented reality, big data, brain computing interfaces, computer vision, cognitive radio networks, data mining, deep learning, expert systems, fuzzy sets and systems, image processing, knowledge representation, nature-inspired computing, quantum machine learning, reasoning, robotics and autonomous systems, robotics and the IoT, social network analysis, speech processing, video processing, and virtual reality.

Proceedings of IEMIS 2020, Volume 2 John Wiley & Sons

With recent innovations in the arena of remote sensing and geographic information systems, the use of geoinformatics in applied geomorphology is receiving more attention than ever. Geoinformatics in Applied Geomorphology examines how modern concepts, technologies, and methods in geoinformatics can be used to solve a wide variety of applied geomorphologic problems, such as characterization of arid, coastal, fluvial, aeolian, glacial, karst, and tectonic landforms; natural hazard zoning and mitigations; petroleum exploration; and groundwater exploration and management. Using case studies to illustrate concepts and methods, this book covers: Arid environments, such as the Thar desert, West Texas, the Qatar Peninsula, and the Dead Sea areas Coastal shoreline changes in Kuwait Coastal zone management in India Estuarine bathymetric study of Tampa Bay, Florida Fluvial landforms of the Elbe river basin, Germany Subsurface coastal

geomorphology and coastal morphological changes due to tsunamis in the East coast of India The Himalayas, Jammu & Kashmir, Western Ghats, and Precambrian terrain of South India The result of extensive research by an interdisciplinary team of contributors, Geoinformatics in Applied Geomorphology is designed for students, researchers, and professionals in the areas of geomorphology, geological engineering, geography, remote sensing, and geographic information systems.

Grand Delusions Cambridge University Press

The conference on ‘Interdisciplinary Research in Technology and Management’ was a bold experiment in deviating from the traditional approach of conferences which focus on a specific topic or theme. By attempting to bring diverse inter-related topics on a common platform, the conference has sought to answer a long felt need and give a fillip to interdisciplinary research not only within the technology domain but across domains in the management field as well. The spectrum of topics covered in the research papers is too wide to be singled out for specific mention but it is noteworthy that these papers addressed many important and relevant concerns of the day.

Transformer Design Principles With Applications 3e CRC Press

This book is based on the author's 50+ years experience in the power and distribution transformer industry. The first few chapters of the book provide a step-by-step procedures of transformer design. Engineers without prior knowledge or exposure to design can follow the procedures and calculation methods to acquire reasonable proficiency necessary to designing a transformer. Although the transformer is a mature product, engineers working in the industry need to understand its

fundamentals and design to enable them to offer products to meet the challenging demands of the power system and the customer. This book can function as a useful guide for practicing engineers to undertake new designs, cost optimization, design automation etc., without the need for external help or consultancy. The book extensively covers the design processes with necessary data and calculations from a wide variety of transformers, including dry-type cast resin transformers, amorphous core transformers, earthing transformers, rectifier transformers, auto transformers, transformers for explosive atmospheres, and solid-state transformers. The other subjects covered include, carbon footprint calculation of transformers, condition monitoring of transformers and design optimization techniques. In addition to being useful for the transformer industry, this book can serve as a reference for power utility engineers, consultants, research scholars, and teaching faculty at universities.

2021 Devices for Integrated Circuit (DevIC) Springer Nature

The goal of SmartTechCon 2017 is to provide an outstanding forum for researchers, practitioners, policy makers, and users to exchange ideas, techniques and tools, raise awareness, and share experience related to all practical and theoretical aspects of Smart Technologies SmartTechCon 2017 will feature a comprehensive technical program including several special sessions symposiums and a number of short courses

Computational Intelligence in Pattern Recognition Walter de Gruyter GmbH & Co KG

Magnetic Materials and their Applications discusses the principles and concepts behind magnetic materials and explains their

applications in the fields of physics and engineering. The book covers topics such as the principal concepts and definitions related to magnetism; types of magnetic materials and their electrical and mechanical properties; and the different factors influencing magnetic behavior. The book also covers topics such as permanent-magnet materials; magnetic materials in heavy-current engineering; and the different uses of magnetic materials. The text is recommended for physicists and electrical engineers who would like to know more about magnetic materials and their applications in the field of electronics.

Geoinformatics in Applied Geomorphology Springer Science & Business Media

This reference illustrates the interaction and operation of transformer and system components and spans more than two decades of technological advancement to provide an updated perspective on the increasing demands and requirements of the modern transformer industry. Guiding engineers through everyday design challenges and difficulties such as stray loss estimation and control, prediction of winding hot spots, and calculation of various stress levels and performance figures, the book propagates the use of advanced computational tools for the optimization and quality enhancement of power system transformers and encompasses every key aspect of transformer function, design, and engineering.

Electric Machine, Transformer, and Power Equipment Design CRC Press

Trains remind you of the feeling of being able to travel freely. Coloring them will give you the chance to escap even for just a few minutes. You can allow yourself to be transported to a

different place and time if you color. Other than that, coloring is a creative and logical experience that boosts your knowledge acquisition process. Pick up the coloring habit today!

Alternating Current Machines Tata McGraw-Hill Education

The scope of DevIC 2021 is to provide an annual forum for the presentation and discussion of recent advances in solid state devices, circuits, advances in information theory and its application and communication The increasing level of integration for system on chip design made available by advances in silicon technology is more than ever before calling for a deeper interaction among technologists, device experts, IC designers, and system designers

Interdisciplinary Research in Technology and Management

Morgan & Claypool Publishers

In the newest edition, the reader will learn the basics of transformer design, starting from fundamental principles and ending with advanced model simulations. The electrical, mechanical, and thermal considerations that go into the design of a transformer are discussed with useful design formulas, which are used to ensure that the transformer will operate without overheating and survive various stressful events, such as a lightning strike or a short circuit event. This new edition includes a section on how to correct the linear impedance boundary method for non-linear materials and a simpler method to calculate temperatures and flows in windings with directed flow cooling, using graph theory. It also includes a chapter on optimization with practical suggestions on achieving the lowest cost design with constraints.

Theory, Algorithms, and Applications New Age International

The international conference will provide an opportunity to the practicing engineers, academicians, researchers, and students to meet in a forum to discuss various issues in Power Electronics, Intelligent Control and Energy Systems In view of the changing scenario, the conference aims to put together the experts from these areas to disseminate their knowledge and experience for working towards soft computing techniques, electronics and energy sustainability in the years to come The conference will spark innovative ideas, foster research relations or partnerships between the various institutions and build strong research and development community

Computational Intelligence Design of Transformers

The 41st edition of this established reference work offers a wealth of information on the worldwide publishing landscape. It includes more than 1,100,000 publishers' ISBN prefixes from 221 countries and territories. The Geographical Section (volumes 1-5) provides the names of more than 1,000,000 active publishing houses, arranged alphabetically by country, and within country by name. Entries contain the full address including email and URL particulars as well as ISBN prefixes. Publishers can be identified via their ISBN prefixes through the Numerical ISBN Section (volumes 6-7).

Handbook of Information Security, Threats, Vulnerabilities, Prevention, Detection, and Management Springer Nature

This Book Presents A Practical-Oriented, Sound, Modularized Coverage Of Fundamental Topics Of Basic Electrical Engineering, Network Analysis & Network Theorems, Electromagnetism & Magnetic Circuit, Alternating Current & Voltages, Electrical Measurement & Measuring Instrument And Electric

Machines.Salient Features:# Clarification Of Basic Concepts#
Several Solved Examples With Detailed Explanation# At The End
Of Chapters, There Are Descriptive And Numerical Unsolved

Problems# Written In Very Simple Language And Suitable For
Self-Study# Step-By-Step Procedures Given For Solving
Numerical

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