

Load Tap Changer Duval Triangle

Transformers

Power Transformer Diagnostics, Monitoring and Design Features

West of the Revolution: An Uncommon History of 1776

Computer Science

Advances in Data Science and Computing Technologies

Transformer Ageing

Transformer Engineering

The Handbook of Behavior Change

Management of Legionella in Water Systems

Wikibook of Health Informatics

Reference Manual on Scientific Evidence

Control, operation and trading strategies of intermittent renewable energy in smart grids

International Journal of Energy Systems

That's Not What Happened

Recent Trends in the Condition Monitoring of Transformers

Blues Legacies and Black Feminism

Power System Transient Analysis

Coffee Biotechnology and Quality

The Proceedings of the 17th Annual Conference of China Electrotechnical Society

Advances in Energy Science and Equipment Engineering

Advances in Smart System Technologies

Liberty's Exiles

Transmission, Distribution, and Renewable Energy Generation Power Equipment

Alternative Liquid Dielectrics for High Voltage Transformer Insulation Systems

ISGW 2018 Compendium of Technical Papers

Application of Tap changers to Transformers

Power and Distribution Transformers

IEEE Guide for the Interpretation of Gases Generated in Oil-immersed Transformers

Advances in System Optimization and Control

Engineering Asset Management - Systems, Professional Practices and Certification

Partial Discharges (PD)

All Shook Up

Two banks of the Seine (Les Deux Rives)

Transformer Condition Control

The Boston Massacre

High Voltage Insulating Materials-Current State and Prospects

Modeling and Reasoning with Bayesian Networks

Carbon Black

Proceedings of the 21st International Symposium on High Voltage Engineering

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Transformers PediaPress

Social problems in many domains, including health, education, social relationships, and the workplace, have their origins in human behavior. The documented links between behavior and social problems have compelled governments and organizations to prioritize and mobilize efforts to develop effective, evidence-based means to promote adaptive behavior change. In recognition of this impetus, *The Handbook of Behavior Change* provides comprehensive coverage of contemporary theory, research, and practice on behavior change. It summarizes current evidence-based approaches to behavior change in chapters authored by leading theorists,

researchers, and practitioners from multiple disciplines, including psychology, sociology, behavioral science, economics, philosophy, and implementation science. It is the go-to resource for researchers, students, practitioners, and policy makers looking for current knowledge on behavior change and guidance on how to develop effective interventions to change behavior. *Power Transformer Diagnostics, Monitoring and Design Features* Good Press

Studies on new solutions in the field of high-voltage insulating materials are presented in this book. Most of these works concern liquid insulation, especially biodegradable ester fluids; however, in a few cases, gaseous and solid insulation are also considered. Both fundamental research as well as research related to industrial applications are described. In addition, experimental techniques aimed at possibly finding new ways of analysing

the experimental data are proposed to test dielectrics.

West of the Revolution: An Uncommon History of 1776 John Wiley & Sons

A one-stop guide to transformer ageing, presenting industrially relevant state-of-the-art diagnostic techniques backed by extensive research data Offers a comprehensive coverage of transformer ageing topics including insulation materials, condition monitoring and diagnostic techniques Features chapters on smart transformer monitoring frameworks, transformer life estimation and biodegradable oil Highlights industrially relevant techniques adopted in electricity utilities, backed by extensive research

Computer Science National Academies Press

NATIONAL BOOK CRITICS CIRCLE AWARD WINNER This groundbreaking book offers

the first global history of the loyalist exodus to Canada, the Caribbean, Sierra Leone, India, and beyond. At the end of the American Revolution, sixty thousand Americans loyal to the British cause fled the United States and became refugees throughout the British Empire. *Liberty's Exiles* tells their story. This surprising new account of the founding of the United States and the shaping of the post-revolutionary world traces extraordinary journeys like the one of Elizabeth Johnston, a young mother from Georgia, who led her growing family to Britain, Jamaica, and Canada, questing for a home; black loyalists such as David George, who escaped from slavery in Virginia and went on to found Baptist congregations in Nova Scotia and Sierra Leone; and Mohawk Indian leader Joseph Brant, who tried to find autonomy for his people in Ontario. Ambitious, original, and personality-filled, this book is at once an intimate narrative history and a provocative analysis that changes how we see the revolution's "losers" and their legacies.

[Advances in Data Science and Computing Technologies](#) Springer Science & Business Media

This book is devoted to one of the main problems of modern electrical power engineering—power transformer diagnostics. The first three chapters discuss the fundamentals: The first chapter presents the physical reasons for power transformers' failures and the technical and economic consequences of disruption of the normal operation. The second chapter reviews the standard technologies for monitoring the state of the high-voltage transformers. The third chapter tells about monitoring the condition of transformer windings based on the pulse method. The fourth chapter presents the technologies for transformer windings condition controlled by means of nanosecond pulses. The stages of improving the pulsed method based on a short probing pulse of the nanosecond range, the results of experiments on identifying the radial and axial displacements of the winding, studies of the effect of the duration and shape of the probing pulse on the sensitivity of the diagnostic procedure, and the stages of developing a mathematical as well as physical model of a power transformer are consistently presented.

[Transformer Ageing](#) Springer Nature

On cover: Reclamation, Managing Water in the West. Describes how transformers work, how they are maintained, and how to test and evaluate their condition.

[Transformer Engineering](#) PediaPress

This book presents selected research

papers on current developments in artificial intelligence (AI) and data sciences from the International Conference on Advances in Data Science and Computing Technologies, ADSC 2022. The book covers topics such as soft computing techniques, AI, optical communication systems, application of Internet of Things, hybrid and renewable energy sources, cloud and mobile computing, deep machine learning, data networks & securities. The book discusses various aspects of these topics, e.g., technological considerations, product implementation, and application issues. The volume will serve as a reference resource for researchers and practitioners in academia and industry.

[The Handbook of Behavior Change](#) Springer Nature

A comprehensive reference and guide on the usage of the alternative dielectric fluids for transformer insulation systems Liquid-filled transformers are one of the most important and expensive components involved in the transmission and distribution of power to industrial and domestic loads. Although petroleum-based insulating oils have been used in transformers for decades, recent environmental concerns, health and safety considerations, and various technical factors have increased the need for new alternative and biodegradable liquids. *Alternative Liquid Dielectrics for High Voltage Transformer Insulation Systems* is an up-to-date reference and guide on natural and synthetic ester-based biodegradable insulating liquids. Covering the operational behavior, performance analysis, and maintenance of transformers filled with biodegradable insulating liquids, this comprehensive resource helps researchers and utility engineers expand their knowledge of the benefits, challenges, and application of ester-filled transformers. In-depth chapters written by experienced researchers addresses critical topics including transformer condition monitoring, high voltage insulation testing, biodegradable insulating material processing and evaluation, and more. A unique and significant contribution to existing literature on the subject, this authoritative volume: • Covers condition monitoring, diagnostic testing, applications, maintenance, and in-service experiences • Explores current challenges and future prospects of ester-filled transformers • Discusses significant research progress and identifies the topics in need of further emphasis • Compares the differences and similarities between mineral oils and ester liquids • Includes in-depth behavioral observations and

performance analysis of ester-based insulating liquids *Alternative Liquid Dielectrics for High Voltage Transformer Insulation Systems: Performance Analysis and Applications* is a must-have reference for utility engineers, electrical power utilities, transformer owners, manufacturers, and researchers.

[Management of Legionella in Water Systems](#) Application of Tap changers to Transformers

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Wikibook of Health Informatics

Frontiers Media SA

This book presents selected articles from India Smart Grid Week (ISGW 2018), held on March 5 to 9, 2018, at the Manekshaw Centre, New Delhi, India. It was the fourth conference and exhibition on smart grids and smart cities organized by the India Smart Grid Forum (ISGF), a Government of India public-private partnership, tasked with accelerating smart grid deployment across the country. Providing current-scenario-based updates on the Indian power sector, the book also highlights various disruptive technologies.

Reference Manual on Scientific Evidence
Cambridge University Press

This book is a printed edition of the Special Issue "Power Transformer Diagnostics, Monitoring and Design Features" that was published in *Energies Control, operation and trading strategies of intermittent renewable energy in smart grids* Springer Nature

PARTIAL DISCHARGES (PD) — DETECTION, IDENTIFICATION AND LOCALIZATION

Explore state-of-the-art partial discharge measurement techniques In *Partial Discharges (PD) — Detection, Identification and Localization*, a team of distinguished electrical engineers delivers a comprehensive treatment of the behavior, modeling, measurement, monitoring, localization, and evaluation of partial discharges. It includes coverage of all major advancements in the field that have occurred over the last few decades. It also discusses partial discharge phenomena, detection methods, and strategies for analyzing and processing collected data. Mechanisms of insulation failure are explored, as is the denoising of partial discharge measurement data and the localization of partial discharge in large, high-voltage equipment. Non-electric principles and procedures are discussed, and the book offers a variety of tables, figures, and photographs to illustrate the concepts discussed within. *Partial Discharges(PD)* also provides: A thorough introduction to the physical behavior of partial discharges, including their causes and classification Comprehensive modeling of partial discharge behavior, including classical and dipole discharges Practical discussions of the measurement of partial discharges, including the electrical method, partial discharge decoupling, and pre- and post-processing of partial discharges In-depth examinations of the monitoring of partial discharge behavior, including methods and realization Perfect for electrical engineers engaged in electrical power engineering, *Partial Discharges (PD)* will also earn a place in the libraries of

research and development specialists employed in the manufacturing, quality testing and operation of electrical systems.

International Journal of Energy Systems
Oxford University Press

This book presents select peer-reviewed proceedings of the International Conference on Frontiers in Smart Systems Technologies (ICFSST 2019). It focuses on latest research and cutting-edge technologies in smart systems and intelligent autonomous systems with advanced functionality. Comprising topics related to diverse aspects of smart technologies such as high security, reliability, miniaturization, energy consumption, and intelligent data processing, the book contains contributions from academics as well as industry. Given the range of the topics covered, this book will prove useful for students, researchers, and professionals alike.

That's Not What Happened CRC Press

The second edition of this reference provides comprehensive examinations of developments in the processing and applications of carbon black, including the use of new analytical tools such as scanning tunnelling microscopy, Fourier transform infrared spectroscopy and inverse gas chromatography.; Completely rewritten and updated by numerous experts in the field to reflect the enormous growth of the field since the publication of the previous edition, *Carbon Black*: discusses the mechanism of carbon black formation based on recent advances such as the discovery of fullerenes; elucidates micro- and macrostructure morphology and other physical characteristics; outlines the fractal geometry of carbon black as a new approach to characterization; reviews the effect of carbon black on the electrical and thermal conductivity of filled polymers; delineates the applications of carbon black in elastomers, plastics, and zerographic toners; and surveys possible health consequences of exposure to carbon black.; With over 1200 literature citations, tables, and figures, this resource is intended for physical, polymer, surface and colloid chemists; chemical and plastics engineers; spectroscopists; materials scientists; occupational safety and health physicians; and upper-level undergraduate and graduate students in these disciplines.

Recent Trends in the Condition Monitoring of Transformers Vintage

This book focuses on the role and application of tap changers to power transformers and the power transmission industry in general. Starting with an

elementary introduction to the fundamentals of tap changers, the book discusses the evolution of resistance tap changers and their current applications. It also includes the most recent technologies in the field like the vacuum and reactor tap changers, and discusses the driving mechanisms, operations and maintenance. This book can be a very useful reference for power systems professionals, engineering consultants, transformer manufacturers, and R&D organizations in the specification, installation, operation and maintenance of tap changers.

Blues Legacies and Black Feminism
John Wiley & Sons

This book comprises select proceedings of the International Conference on Advancement in Energy, Drives, and Control. It covers frontier topics in optimization and control. It covers applications of optimization processes in areas such as computer architecture, communication systems, system optimization, signal processing, fluid dynamics and process control. This book is of use to researchers, professionals, and students from across engineering disciplines.

Power System Transient Analysis Springer
Recent Trends in the Condition Monitoring of Transformers reflects the current interest in replacing traditional techniques used in power transformer condition monitoring with non-invasive measures such as polarization/depolarization current measurement, recovery voltage measurement, frequency domain spectroscopy and frequency response analysis. The book stresses the importance of scrutinizing the condition of transformer insulation which may fail under present day conditions of intensive use with the resulting degradation of dielectric properties causing functional failure of the transformer. The text shows the reader how to overcome the key challenges facing today's maintenance policies, namely: The selection of appropriate techniques for dealing with each type of failure process accounting for the needs of plant owners, plant users and wider society; and Cost-efficiency and durability of effect. Many of the failure-management methods presented rely on the fact that most failures give warning when they are imminent. These potential failures give rise to identifiable physical conditions and the novel approaches described detect them so that action can be taken to avoid degeneration into full-blown functional failure. This "on-condition" maintenance means that equipment can be left in service as long as a specified set of performance standards

continue to be met, avoiding the costly downtime imposed by routine and perhaps unnecessary maintenance but without risking equally expensive failure. Recent Trends in the Condition Monitoring of Transformers will be of considerable interest to both academic researchers in power systems and to engineers working in the power generation and distribution industry showing how new and more efficient methods of fault diagnosis and condition management can increase transformer efficiency and cut costs.

Coffee Biotechnology and Quality John Wiley & Sons

From one of this country's most important intellectuals comes a brilliant analysis of the blues tradition that examines the careers of three crucial black women blues singers through a feminist lens. Angela Davis provides the historical, social, and political contexts with which to reinterpret the performances and lyrics of Gertrude "Ma" Rainey, Bessie Smith, and Billie Holiday as powerful articulations of an alternative consciousness profoundly at odds with mainstream American culture. The works of Rainey, Smith, and Holiday

have been largely misunderstood by critics. Overlooked, Davis shows, has been the way their candor and bravado laid the groundwork for an aesthetic that allowed for the celebration of social, moral, and sexual values outside the constraints imposed by middle-class respectability. Through meticulous transcriptions of all the extant lyrics of Rainey and Smith—published here in their entirety for the first time—Davis demonstrates how the roots of the blues extend beyond a musical tradition to serve as a consciousness-raising vehicle for American social memory. A stunning, indispensable contribution to American history, as boldly insightful as the women Davis praises, *Blues Legacies and Black Feminism* is a triumph.

The Proceedings of the 17th Annual Conference of China Electrotechnical Society John Wiley & Sons

Coffee Biotechnology and Quality is a comprehensive volume containing 45 specialised chapters by internationally recognised experts. The book aims to provide a guide for those wishing to learn about recent advances in coffee cultivation and post-harvest technology. It

provides a quantitative and rational approach to the major areas of coffee research, including breeding and cloning, tissue culture and genetics, pest control, post-harvest technology and bioconversion of coffee industry residues into commercially valuable products. The chapters review recent experimental work, allowing a conceptual framework for future research to be identified and developed. The book will be of interest to researchers and students involved in any area of coffee research. Consequently, plant breeders, microbiologists, biotechnologists and biochemical engineers will find the book to be a unique and invaluable guide.

Advances in Energy Science and Equipment Engineering CRC Press

Advances in Energy Equipment Science and Engineering contains selected papers from the 2015 International Conference on Energy Equipment Science and Engineering (ICEESE 2015, Guangzhou, China, 30-31 May 2015). The topics covered include:- Advanced design technology- Energy and chemical engineering- Energy and environmental engineering- Energy scien

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