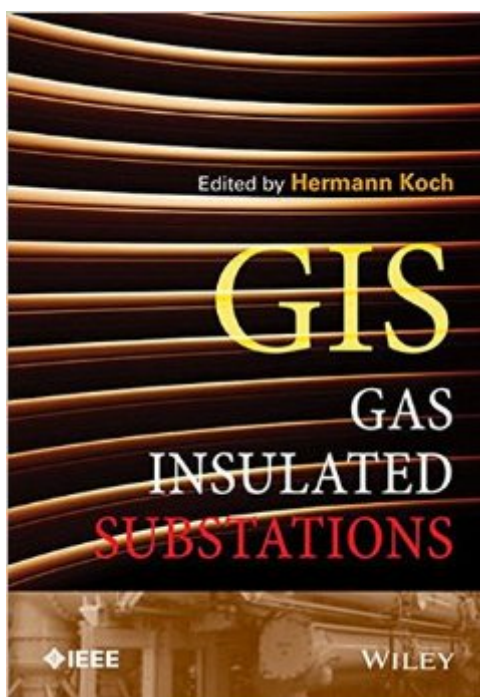


The book was found

Gas Insulated Substations (Wiley - IEEE)



Synopsis

Comprehensive reference covering all aspects of gas insulated substations including basic principles, technology, use & application, design, specification, testing and ownership issues This book provides an overview on the particular development steps of gas insulated high-voltage switchgear, and is based on the information given with the editor's tutorial. The theory is kept low only as much as it is needed to understand gas insulated technology, with the main focus of the book being on delivering practical application knowledge. It discusses some introductory and advanced aspects in the meaning of applications. The start of the book presents the theory of Gas Insulated Technology, and outlines reliability, design, safety, grounding and bonding, and factors for choosing GIS. The third chapter presents the technology, covering the following in detail: manufacturing, specification, instrument transformers, Gas Insulated Bus, and the assembly process. Next, the book goes into control and monitoring, which covers local control cabinet, bay controller, control schemes, and digital communication. Testing is explained in the middle of the book before installation and energization. Importantly, operation and maintenance is discussed. This chapter includes information on repair, extensions, retrofit or upgrade, and overloading. Finally applications are covered along with concepts of layout, typical layouts, mixed technology substations, and then other topics such as life cycle assessment, environmental impact, and project management. A one-stop, complete reference text on gas insulated substations (GIS), large-capacity and long-distance electricity transmission, which are of increasing importance in the power industry today Details advanced and basic material, accessible for both existing GIS users and those planning to adopt the technology Discusses both the practical and theoretical aspects of GIS Written by acknowledged GIS experts who have been involved in the development of the technology from the start

Book Information

Series: Wiley - IEEE

Hardcover: 490 pages

Publisher: Wiley-IEEE Press; 1 edition (August 11, 2014)

Language: English

ISBN-10: 1118570723

ISBN-13: 978-1118570722

Product Dimensions: 7 x 1.1 x 9.9 inches

Shipping Weight: 1.9 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,718,000 in Books (See Top 100 in Books) #299 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Semiconductors #326080 in Books > Textbooks

[Download to continue reading...](#)

Gas Insulated Substations (Wiley - IEEE) IEEE Std 1100-1999, IEEE Recommended Practice for Powering and Grounding Electronic Equipment (The IEEE Emerald Book) IEEE Recommended Practice for Grounding of Industrial and Commercial Power Systems (IEEE Green Book) Foundations for Microstrip Circuit Design (Wiley - IEEE) Handbook of Digital Forensics of Multimedia Data and Devices, Enhanced E-Book (Wiley - IEEE) The IGBT Device: Physics, Design and Applications of the Insulated Gate Bipolar Transistor The Wiley-Blackwell Companion to Zoroastrianism (Wiley Blackwell Companions to Religion) International Fuel Gas Code 2006 (International Fuel Gas Code) Manual de instalaciones hidraulicas, sanitarias, gas, aire comprimido y vapor/ Manual of Hydraulic, Sanitary, Gas, Compressed Air and Steam Installation (Spanish Edition) Distributed Platforms: Proceedings of the IFIP/IEEE International Conference on Distributed Platforms: Client/Server and Beyond: DCE, CORBA, ODP and ... in Information and Communication Technology) Performance Evaluation and High Speed Switching Fabrics and Networks: ATM, Broadband ISDN, and MAN Technology (A Selected Reprint Volume) (IEEE Press Selected Reprint Series) Key Papers in the Development of Coding Theory (IEEE Press Selected Reprint Series) Proceedings Fifth IEEE International Conference on Automatic Face and Gesture Recognition: Washington, D.C., 20-21 May 2002 CMOS Circuit Design, Layout, and Simulation, 3rd Edition (IEEE Press Series on Microelectronic Systems) Advanced Electronic Packaging: With Emphasis on Multichip Modules (IEEE Press Series on Microelectronic Systems) Low-Voltage/Low-Power Integrated Circuits and Systems: Low-Voltage Mixed-Signal Circuits (IEEE Press Series on Microelectronic Systems) High-Performance System Design: Circuits and Logic (IEEE Press Series on Microelectronic Systems) Power Conversion and Control of Wind Energy Systems (IEEE Press Series on Power Engineering) Discovering Knowledge in Data: An Introduction to Data Mining (Wiley Series on Methods and Applications in Data Mining) The Official Guide to Informix®/Red Brick® Data Warehousing (Bible (Wiley))

[Dmca](#)