

Encyclopedia of

Electrical and Electronic Power Engineering

Edited by Jorge Garcia Garcia



Electrical Engineering Encyclopedia

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Electrical Engineering Encyclopedia:

Encyclopedia of Electrical and Electronic Power Engineering ,2022-11-29 Given the diverse fields of knowledge involved in power engineering the usual reference books and the related technical literature do not cover the power engineering comprehensively As a result a high number of reference books are required usually dealing with the concepts in an extremely detailed and meticulous manner this makes it very difficult to see the bigger picture To solve this problem this work aims instead to form a fully comprehensive reference on power engineering collating and presenting available information from a beginner s perspective The end user will save a dramatic amount of time and effort when searching for foundational information on any specific topic within power engineering Key concepts will be integrated and contextualized to form a single comprehensive source of information This Encyclopedia is intended as the first reference to consult that can then be complemented in a second step with the extensive detailed information found in more technical manuals textbooks or journals In addition to reliable and relevant information the topical sections are to be arranged in such a way as to demonstrate the interrelationship of concepts guaranteeing cross level relationship of concepts and topics Each topic is covered at a consistent level of detail using a consistent and clearly laid out structure and approach A dedicated rigorous Encyclopedia designed to present summarized information with technical foundations but also with practical applicability of the collected information this is a key tool for a variety of individuals such as design power engineers technical staff researchers in the field and also faculty students and trainees in academic institutions Integrates the key concepts of power engineering into a single comprehensive source of information thus saving researchers a significant amount of time Highly searchable systematic approach giving appropriate space to each subject in this wide ranging field from pure mathematics and physics to specific topics of applied engineering design Encourages readers to gain a high quality contextualized wide scope view of the specific problem they re aiming to solve *Encyclopedia of Electrical Engineering Research* Zachary L. Fink,2011 This book presents current research in the field of electrical engineering Topics discussed include voltage stabilisation using a storage capacitor AC bridge circuitry for the capacitive position sensor inside the superconducting linear motor system ferromagnetism in semiconductors doped with non magnetic elements spin transfer torque effect and its applications fundamentals of half metallic full heusler alloys electronics spintronics and orbitronics and electric motor drives for battery hybrid and fuel cell vehicles Wiley Encyclopedia of Electrical and Electronics Engineering John G. Webster,1999-03-25 *Wiley Encyclopedia of Electrical and Electronics Engineering* , A comprehensive encyclopedia of electrical engineering with articles written and reviewed by an international group of engineers with academic or research affiliations The entries are grouped into 64 broad categories such as solid state circuits fuzzy systems and medical imaging Mathematical explanations tables and graphics illustrate the articles Concise Encyclopedia of Electrical Engineering Newnes, George, Ltd,1962 **Newnes Concise Encyclopedia of Electrical Engineering** M. G. Say,1962 A Dictionary

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