

Cornell Engineering Handbook 201

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Railroad Gazette CRC Press

The 4th edition of this classic text provides a thorough coverage of RF and microwave engineering concepts, starting from fundamental principles of electrical engineering, with applications to microwave circuits and devices of practical importance. Coverage includes microwave network analysis, impedance matching, directional couplers and hybrids, microwave filters, ferrite devices, noise, nonlinear effects, and the design of microwave oscillators, amplifiers, and mixers. Material on microwave and RF systems includes wireless communications, radar, radiometry, and radiation hazards. A large number of examples and end-of-chapter problems test the reader's understanding of the material. The 4th edition includes new and updated material on systems, noise, active devices and circuits, power waves, transients, RF CMOS circuits, and more. *The Electrician Electrical Trades Directory and Handbook* BoD - Books on Demand
First published: Chemical process equipment / Stanley M. Walas. 1988.

Microbiota and Biofertilizers Oxford University Press

“ Intellectual property, software plagiarism, patents, and copyrights are complicated subjects. This book explains the key elements better than anything else I have seen. I highly recommend it to anyone who develops software or needs to protect proprietary software algorithms, and to all attorneys involved with IP litigation. ” – Capers Jones, President, Capers Jones & Associates LLC “ Intellectual property is an engine of growth for our high tech world and a valuable commodity traded in its own right. Bob

Zeidman is a leading authority on software intellectual property, and in this book he shares his expertise with us. The book is comprehensive. It contains clear explanations of many difficult subjects. Business people who study it will learn how to protect their IP. Lawyers will use it to understand the specifics of how software embodies IP. Judges will cite it in their decisions on IP litigation. ”
– Abraham Sofaer, George P. Shultz Senior Fellow in Foreign Policy and National Security Affairs, Hoover Institution, Stanford University
The Definitive Software IP Guide for Developers, Managers, Entrepreneurs, Attorneys, and Consultants
In The Software IP Detective ' s Handbook, pioneering expert Bob Zeidman – creator of CodeSuite®, the world ' s #1 software IP analysis tool – thoroughly covers all technical and legal aspects of IP theft detection. Using his rigorous framework and practical examples, you can accurately determine whether software copying, theft, or infringement has occurred, and fully support your findings in any venue. This book will help you Understand the key concepts that underlie software IP analysis Compare and correlate source code for signs of theft or infringement Uncover signs of copying in object code when source code is inaccessible Track malware and third-party code in applications Use software clean rooms to avoid IP infringement Understand IP issues associated with open source and DMCA Visit www.SAFE-corp.biz to download a free trial version of CodeSuite®, the #1 tool for detecting software copying. Experiment Station Record Copyright Office, Library of Congress
Advanced Array Systems, Applications and RF Technologies adopts a holistic view of arrays used in radar, electronic warfare, communications, remote sensing and radioastronomy. Radio frequency [RF] and intermediate frequency [IF] signal processing is assuming a fundamental importance, owing to its increasing ability to multiply a system's capabilities in a cost-effective manner. This book comprehensively covers the important front-end RF subsystems of active phased arrays, so offering array designers new and exciting opportunities in

signal processing. This book: * provides an up to date record of existing systems from different applications * explores array systems under development * bridges the gap between textbook coverage of idealized phased arrays and practical knowledge of working phased arrays * recognises the significance of cost to the realization of phased arrays * discusses future advances in the field that promise to deliver even more affordable arrays ['intelligent' or self-focussing/-cohering arrays] Engineers and scientists in the radar and RF technology industry will welcome the detailed description of array elements, polarisers, T/R modules and beamformers in Advanced Array Systems, Applications and RF Technologies. This book is also appropriate for postgraduate and advanced undergraduate students in electronic engineering, and for technical managers, researchers and students in the fields of radioastronomy and remote sensing. This book is a volume in the Signal Processing and its Applications series, edited by Richard Green and Truong Nguyen.
Engineers and Engineering Springer Science & Business Media
Includes its Report, 1896-1945.
Library Bulletin of Cornell University Simon & Schuster Books For Young Readers
Mitigating the effects of earthquakes is crucial to bridge design. With chapters culled from the best-selling Bridge Engineering Handbook, this volume sets forth the principles and applications of seismic design, from the necessary geotechnical and dynamic analysis background to seismic isolation and energy dissipation, active control, and retrofit
Handbooks Butterworth-Heinemann
Updated to reflect recent developments in the field, Oxford Textbook of Neurorehabilitation provides an understanding of the theoretical underpinnings of the subject along with a clear perspective on making treatment decisions on an individual basis. This is an

indispensable book for those working with patients requiring neurorehabilitation.

Bridge Engineering Univ of California Press

This book is intended to provide valuable information for the analysis and design of various gas turbine engines for different applications. The target audience for this book is design, maintenance, materials, aerospace and mechanical engineers. The design and maintenance engineers in the gas turbine and aircraft industry will benefit immensely from the integration and system discussions in the book. The chapters are of high relevance and interest to manufacturers, researchers and academicians as well.

Handbook of Performability Engineering Univ of California Press

An increasing population has put tremendous pressure on agricultural productivity to fulfill the demands of human consumption. Numerous agricultural activities and techniques have been developed to raise annual crop production globally. While agriculture has succeeded in enhancing the yearly crop productivity, this achievement is at the cost of environmental degradation by applying synthetic persistent substances, such as industrial fertilizers, pesticides, herbicides, etc. Chemical fertilizers are nearly as destructive as they are productive, causing monocultures and consequences associated with elimination of diversity, nutrient pollution as evidenced by algae blooms, eutrophication, water quality issues, lower oxygen levels and dangers to fish stocks. Therefore, the scientific approach to maintain sustainable fertility in soil and plants is to switch over to biofertilisers. Biofertilisers are compounds of organic matter that are applied to crops for growth and health. Their constituent micro-organisms interact in an ecofriendly manner with the soil, root and seeds of plants, promoting the growth of micro-flora that enhances soil fertility. They are known to play a number of vital roles in soil fertility, crop productivity and production in agriculture.

Application of biofertilisers results in increased mineral and water uptake, root development, vegetative growth and nitrogen fixation. They liberate growth promoting substances and vitamins and help to maintain soil fertility. They act as antagonists and play a pivotal role in neutralising the soil borne plant pathogens, thereby assisting in the bio-control of diseases. Application of biofertilisers in lieu of synthetic fertilizers could be the promising technique to raise agricultural productivity without degrading the environmental quality. The present book focuses on the latest research approaches and updates from the microbiota ecosystem and their applications in agriculture industry. It also highlights the great potential and possible future of action of microbiota in the development of sustainable agricultural systems.

Gas Turbines John Wiley & Sons

Known as the bible of biomedical engineering, The Biomedical Engineering Handbook, Fourth Edition, sets the standard against which all other references of this nature are measured. As such, it has served as a major resource for both skilled professionals and novices to biomedical engineering. Molecular, Cellular, and Tissue Engineering, the fourth volume of the handbook, presents material from respected scientists with diverse backgrounds in molecular biology, transport phenomena, physiological modeling, tissue engineering, stem cells, drug delivery systems, artificial organs, and personalized medicine. More than three dozen specific topics are examined, including DNA vaccines, biomimetic systems, cardiovascular dynamics, biomaterial scaffolds, cell mechanobiology, synthetic biomaterials, pluripotent stem cells, hematopoietic stem cells, mesenchymal stem cells, nanobiomaterials for tissue engineering, biomedical imaging of engineered tissues, gene therapy, noninvasive targeted protein and peptide drug delivery, cardiac valve prostheses, blood substitutes, artificial skin, molecular diagnostics in personalized medicine, and bioethics.

Experiment Station Record Springer Nature

This title is part of UC Press's Voices Revived program, which commemorates University of California Press 's mission to seek out and cultivate the brightest minds and give them voice, reach, and impact. Drawing on a backlist dating to 1893, Voices Revived makes high-quality, peer-reviewed scholarship accessible once again using print-on-demand technology. This title was originally published in 1964.

Sources of Business Information Academic Press
Includes Part 1A: Books, Part 1B: Pamphlets, Serials and Contributions to Periodicals and Part 2: Periodicals. (Part 2: Periodicals incorporates Part 2, Volume 41, 1946, New Series)

The Library Bulletin of Cornell University Prentice Hall Professional

Dependability and cost effectiveness are primarily seen as instruments for conducting international trade in the free market environment. These factors cannot be considered in isolation of each other. This handbook considers all aspects of performability engineering. The book provides a holistic view of the entire life cycle of activities of the product, along with the associated cost of environmental preservation at each stage, while maximizing the performance.

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