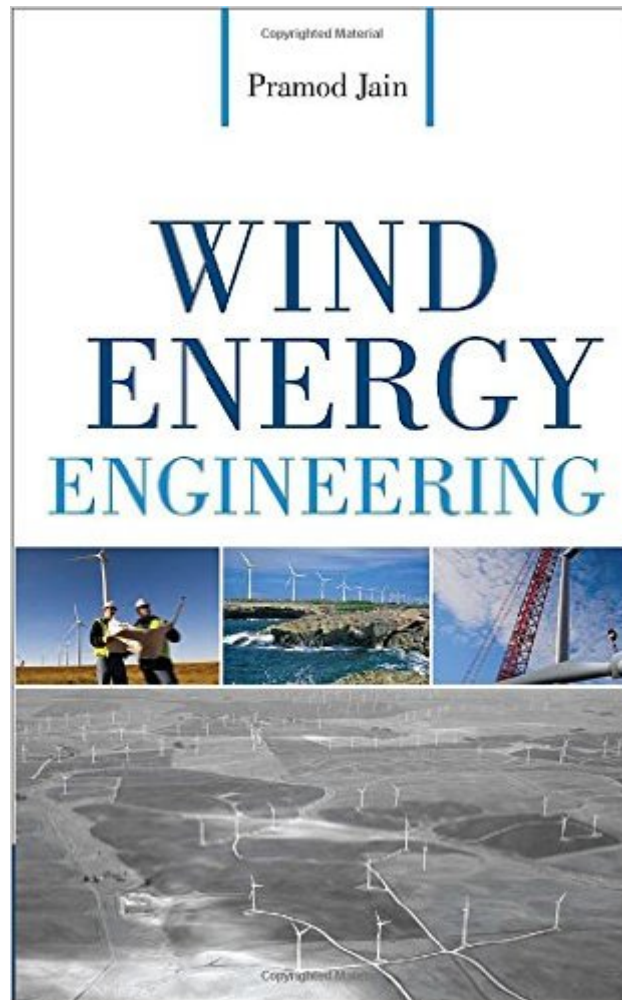


The book was found

Wind Energy Engineering



Synopsis

A PRACTICAL GUIDE TO WIND ENERGY ENGINEERING AND MANAGEMENT This authoritative resource offers comprehensive details on effectively using wind energy as a viable and economical energy source. Featuring a multidisciplinary approach, Wind Energy Engineering covers physics, meteorology, aerodynamics, wind measurement, wind turbine specifications, electricity, and integration with the grid. Planning, site selection, cost assessment, environmental impact, and project management are also discussed. Filled with diagrams, tables, charts, graphs, and statistics, this is a definitive reference to current and future developments in wind energy. Wind Energy Engineering covers: The business of wind energy worldwide Wind energy basics Meteorological properties of wind and air Aerodynamics of wind turbine blades Wind measurement, data management, and reporting Wind resource assessment Advanced topics in resource assessment, including wake, losses, and uncertainty Wind turbine generator components Electricity and generator basics Deploying wind turbines in the grid Environmental impact of wind projects Financial modeling, planning, and execution of wind projects

Book Information

Hardcover: 352 pages

Publisher: McGraw-Hill Education; 1 edition (September 22, 2010)

Language: English

ISBN-10: 0071714774

ISBN-13: 978-0071714778

Product Dimensions: 6.3 x 1 x 9.3 inches

Shipping Weight: 1.4 pounds

Average Customer Review: 4.5 out of 5 stars [See all reviews](#) (8 customer reviews)

Best Sellers Rank: #166,186 in Books (See Top 100 in Books) #8 in [Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Alternative & Renewable > Wind](#) #39 in [Books > Textbooks > Engineering > Environmental Engineering](#) #200 in [Books > Engineering & Transportation > Engineering > Civil & Environmental > Environmental](#)

Customer Reviews

The impetus of writing this book was a lack of books on the market that targeted engineers. Specifically, I wanted to write a book that would give an engineer from any discipline sufficient knowledge about the multi-disciplinary field of wind energy. This book intends to bring to bear at least five disciplines in order to provide a reasonably comprehensive understanding of the field of

wind energy. The five disciplines are Meteorology, Mechanical & Aeronautical engineering, Civil engineering, Electrical engineering and Environmental engineering. In addition, to these core engineering disciplines, the book has chapters on finance and project management, two business related disciplines that are key to wind energy. I wrote the book with the following audience in mind. First are engineers and scientists that are in the wind industry, but practice in a narrow segment of the industry that covers their specific discipline. Second are engineers and scientists that want to enter the wind industry. Third are undergraduate engineering students and technical college students that want to learn about the various disciplines in wind energy engineering. Finally, the intended audience is business people and project managers that work in the wind energy industry. As an engineer, you will find sufficient detail about each of the topics. I have kept the level of math to a level that would be comfortable to a practicing engineer. In areas that require sophisticated math, I have attempted to provide insights into the relationships. --Preface of book

Pramod Jain, Ph.D., is founder and president of Innovative Wind Energy, Inc., a wind energy consulting company. He is recognized as a global expert in the planning of wind projects and has worked on projects in the United States, the Caribbean, and Latin America that range from a single 100 kW turbine to a 100-plus MW wind farm. Dr. Jain's clients include Fortune 100 companies, the U.S. government, universities, utilities, municipalities, and land developers. He was a cofounder and Chief Technologist at Wind Energy Consulting and Contracting, Inc. He has a Ph.D. in Mechanical Engineering from University of California, Berkeley, and a B. Tech. from Indian Institute of Technology, Bombay.

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

Wind Power Basics: The Ultimate Guide to Wind Energy Systems and Wind Generators for Homes
Cash in the Wind: How to Build a Wind Farm using Skystream and 442SR Wind Turbines for Home
Power Energy Net-Metering and Sell Electricity Back to the Grid
Wind Energy Essentials for the Homeowner: Common Questions About Wind Energy for the Home
Wind Power Guide - how to use wind energy to generate power (OneToRemember Energy Guides Book 1)
Reiki: The Healing Energy of Reiki - Beginner's Guide for Reiki Energy and Spiritual Healing: Reiki: Easy and Simple Energy Healing Techniques Using the ... Energy Healing for Beginners Book 1)
Wind Energy Engineering, Second Edition Power Conversion and Control of Wind Energy Systems (IEEE Press Series on Power Engineering)
Wind Energy Engineering ASD/LRFD Wind and Seismic: Special Design Provisions for Wind and Seismic with Commentary (2008)
Wind Loads: Guide to the Wind Load Provisions of ASCE 7-10
How To Build a Solar Wind Turbine: Solar Powered Wind Turbine

Plans Wind Power Workshop: Building Your Own Wind Turbine Wind Resource Assessment: A
Practical Guide to Developing a Wind Project The Wind and Wind-Chorus Music of Anton Bruckner
(Contributions to the Study of Music and Dance) Whispers in the Wind (Wild West Wind Book #2)
The Great Transition: Shifting from Fossil Fuels to Solar and Wind Energy Offshore Wind Energy:
Research on Environmental Impacts Solar, Wind and Land: Conflicts in Renewable Energy
Development Wind Energy Explained: Theory, Design and Application Wind Power, Revised
Edition: Renewable Energy for Home, Farm, and Business

[Dmca](#)