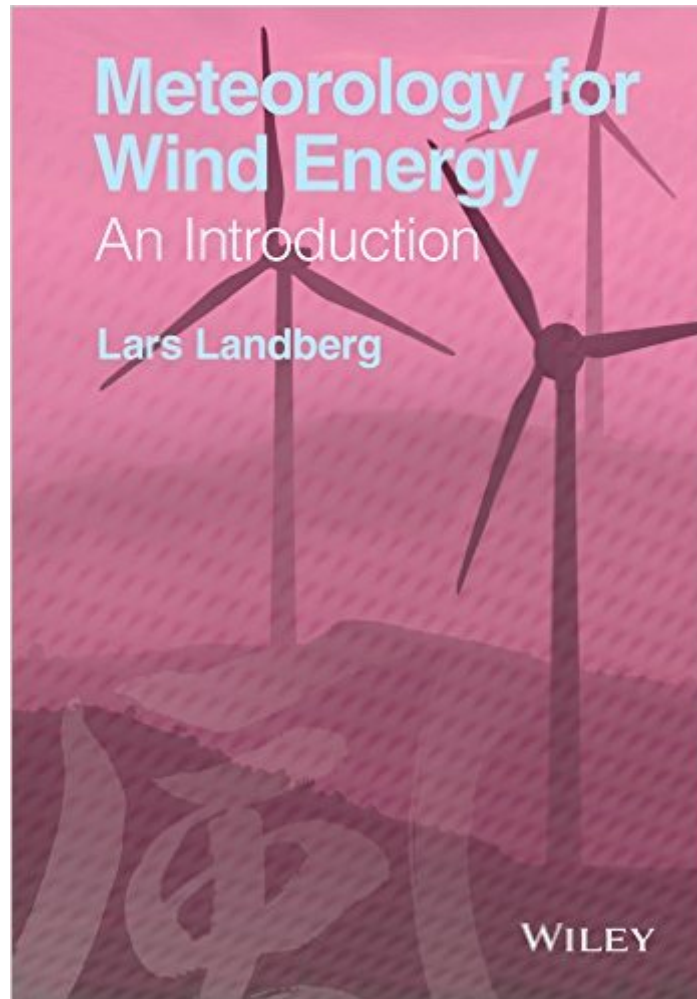


The book was found

Meteorology For Wind Energy: An Introduction



Synopsis

Most practitioners within wind energy have only a very basic knowledge about meteorology, leading to a lack of understanding of one of the most fundamental subjects in wind energy. This book will therefore provide an easy-to-understand introduction to the subject of meteorology, as seen from the viewpoint of wind energy. Catering for a range of academic backgrounds, the book is mathematically rigorous with accessible explanations for non-mathematically oriented readers. Through exercises in the text and at the end of each chapter the reader will be challenged to think, seek further information and practice the knowledge obtained from reading the book. This practical yet comprehensive reference will enable readers to fully understand the theoretical background of meteorology with wind energy in mind and will include topics such as: measurements; wind profiles; wakes; modelling; turbulence and the fundamentals of atmospheric flow on all scales including the local scale. Key features:

- Provides practitioners of wind energy with a solid theoretical grounding in relevant aspects of meteorology enabling them to exercise useful judgment in matters related to resource estimation, wind farm development, planning, turbine design and electrical grids.
- Supports a growing area of professional development with the increasing importance of wind energy estimation in all aspects of electrical energy production from wind.
- Accompanying website includes data sets for exercises in data analysis, photographs, animations & worked examples, helping to further bridge the gap between theory and practice.

Meteorology for Wind Energy: An Introduction is aimed at engineers, developers and project managers in the wind power and electrical utility sectors without the essential theoretical background required to understand the topic. It will also have significant appeal to senior undergraduate and postgraduate students of Wind Energy, Environmental Studies or Renewables Studies.

Book Information

Hardcover: 224 pages

Publisher: Wiley; 1 edition (December 14, 2015)

Language: English

ISBN-10: 1118913442

ISBN-13: 978-1118913444

Product Dimensions: 7 x 0.6 x 9.9 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #2,675,557 in Books (See Top 100 in Books) #118 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Alternative & Renewable > Wind #2376 in Books > Science & Math > Earth Sciences > Rivers #2527 in Books > Science & Math > Earth Sciences > Climatology

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

Meteorology for Wind Energy: An Introduction 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) The Atmosphere: An Introduction to Meteorology (12th Edition) The Atmosphere: An Introduction to Meteorology (10th Edition) The Atmosphere: An Introduction to Meteorology (13th Edition) (MasteringMeteorology Series) Severe and Hazardous Weather: An Introduction to High Impact Meteorology The Atmosphere: An Introduction to Meteorology (MasteringMeteorology Series) 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) Radar Meteorology: Principles and Practice Weather on the Air: A History of Broadcast Meteorology

[Dmca](#)