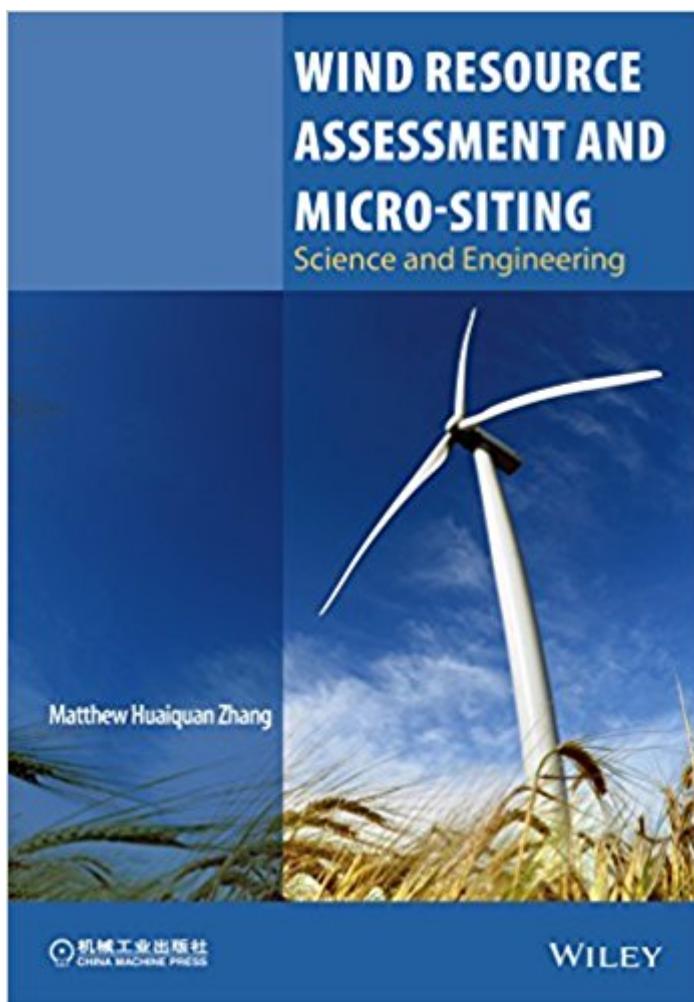


The book was found

# Wind Resource Assessment And Micro-siting: Science And Engineering



## Synopsis

Covers all the key areas of wind resource assessment technologies from an engineer's perspective Focuses on wind analysis for wind plant siting, design and analysis Addresses all aspects from atmospheric boundary layer characteristics, to wind resource measurement systems, uncertainties in measurements, computations and analyses, to plant performance Covers the basics of atmospheric science through to turbine siting, turbine responses, and to environmental impacts Contents can be used for research purposes as well as a go-to reference guide, written from the perspective of a hands-on engineer Topic is of ongoing major international interest for its economic and environmental benefits

## Book Information

Hardcover: 320 pages

Publisher: Wiley; 1 edition (September 15, 2015)

Language: English

ISBN-10: 1118900103

ISBN-13: 978-1118900109

Product Dimensions: 6.9 x 0.8 x 9.9 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #2,402,941 in Books (See Top 100 in Books) #86 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Alternative & Renewable > Wind #11037 in Books > Engineering & Transportation > Engineering > Electrical & Electronics #12567 in Books > Science & Math > Nature & Ecology > Conservation

## Customer Reviews

Covering all key areas of wind resource assessment, this book is a foundational guide to the engineer looking to analyse the feasibility and implementation of wind energy projects. Key topics include wind flow modelling, wind statistics, wind measurement, data analysis and MCP. Uncertainty analysis, wind energy meteorology, offshore micro-siting and environmental impact assessment add depth to the reader's evaluation of wind resources. Written by an engineer with extensive industry knowledge, this book approaches the subject area with practical methodology as well as a good theoretical grounding by first providing context before easing into daily applications.  Focuses on wind resource assessments for the siting, design and analysis of wind power plants  Comprehensive topic coverage from atmospheric boundary layer characteristics, to wind resource

measurement systems, uncertainties in measurements, to computations and analyses • Includes the basics of atmospheric science, turbine siting and responses, as well as environmental impacts • A timely addition to a field of major international interest for its economic and environmental benefits Written with wind resource assessment specialists in mind, *Wind Resource Assessment and Micro-siting: Science and Engineering* is a good bridge between industry professionals and academic researchers. Wind energy developers and advanced students will also find it a handy reference.

Matthew Huaiquan Zhang,Independent Renewable Energy Consultant, China/ UK

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

Wind Resource Assessment and Micro-siting: Science and Engineering Wind Resource Assessment: A Practical Guide to Developing a Wind Project Off-Grid Living: How To Build Wind Turbine, Solar Panels And Micro Hydroelectric Generator To Power Up Your House: (Wind Power, Hydropower, Solar Energy, Power Generation) Wind Energy Basics: A Guide to Small and Micro Wind Systems Micro Irrigation Management: Technological Advances and Their Applications (Innovations and Challenges in Micro Irrigation) ECON MICRO (with ECON MICRO Online, 1 term (6 months) Printed Access Card) (New, Engaging Titles from 4LTR Press) 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 Cash In The Wind: How to Build a Wind Farm with Skystream and 442SR Wind Turbines for Home Power Energy Net Metering and Sell Electricity Back to the Grid Wind Power Basics: The Ultimate Guide to Wind Energy Systems and Wind Generators for Homes Freezing Colloids: Observations, Principles, Control, and Use: Applications in Materials Science, Life Science, Earth Science, Food Science, and Engineering (Engineering Materials and Processes) Fabrication Engineering at the Micro- and Nanoscale (The Oxford Series in Electrical and Computer Engineering) Whose Backyard, Whose Risk: Fear and Fairness in Toxic and Nuclear Waste Siting Building a Shed: Siting and Planning a Shed, Building Shed Foundations, Adding Custom Details (Build Like a Pro Series) Guidelines for Facility Siting and Layout Nursing Assessment: Head-to-Toe Assessment in Pictures (Health Assessment in Nursing) Wind Energy Engineering: A Handbook for Onshore and Offshore Wind Turbines Wind Power Generation And Distribution (Art and Science of Wind Power) Wind Energy Engineering, Second Edition (Mechanical Engineering) Wastewater Engineering: Treatment and Resource Recovery (Civil Engineering) Science Formative Assessment, Volume 1: 75 Practical Strategies for Linking Assessment, Instruction, and Learning

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)