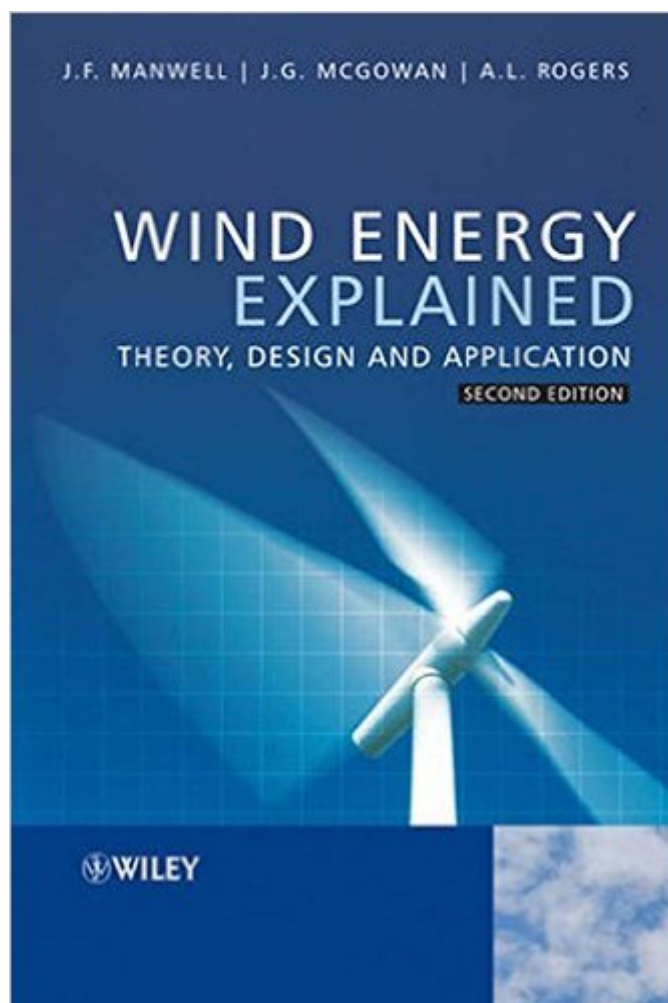


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# Wind Energy Explained: Theory, Design And Application



## Synopsis

Wind energy's bestselling textbook- fully revised. This must-have second edition includes up-to-date data, diagrams, illustrations and thorough new material on: the fundamentals of wind turbine aerodynamics; wind turbine testing and modelling; wind turbine design standards; offshore wind energy; special purpose applications, such as energy storage and fuel production. Fifty additional homework problems and a new appendix on data processing make this comprehensive edition perfect for engineering students. This book offers a complete examination of one of the most promising sources of renewable energy and is a great introduction to this cross-disciplinary field for practising engineers. It provides a wealth of information and is an excellent reference book for people interested in the subject of wind energy. • (IEEE Power & Energy Magazine, November/December 2003) It deserves a place in the library of every university and college where renewable energy is taught. • (The International Journal of Electrical Engineering Education, Vol.41, No.2 April 2004) It's a very comprehensive and well-organized treatment of the current status of wind power. • (Choice, Vol. 40, No. 4, December 2002)

## Book Information

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## Customer Reviews

This book helped me ace my mechanical engineering senior design project every step of the way. The material is easy to grasp for anyone with a basic background in math/science; and learning about how this stuff works is fascinating! The chapter on aerodynamics alone kept me writing computer codes for months. The author's writing style is modern and easy to follow.

This book is absolutely the best book I have owned on the subject. I love the simplicity of the text, clarity of the illustrations, and above all the fact that it covered all the necessary areas on the subject. I strongly recommend it to anyone interested in expanding their knowledge on wind energy.

The second updated edition of WIND ENERGY EXPLAINED: THEORY, DESIGN AND APPLICATION includes the latest data, illustrations and all new material on wind turbines, offshore wind energy, and more. Fifty new homework problems and a new appendix on data processing are just a few of the updates and expansions for this fine edition, recommended for any college-level science and natural resources collection.

I've just started this book. It's for a Wind Energy Systems course. So far, it has been a very straight-forward and practical introduction into the field of wind energy. While it is very easy to understand and very practical, it's also been quite thorough in explaining the concepts. Overall, I anticipate this to be a great book; certainly one of the "keepers" you come across every now and then.

This book doesn't provide enough examples. Just one here or there. If you haven't memorized all base SI units, you'll need to look those up. Basically, the SI units are not provided. The questions are terrible also.

Great book, lots of math and formulas. I enjoyed it when I was studying ME Wind Energy. No other thoughts, you should buy it if you want to build a wind farm

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