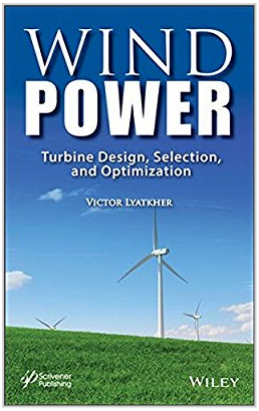

Wind Power: Turbine Design, Selection, and Optimization

By Victor M. Lyatkher

Wind Power: Turbine Design, Selection, and Optimization By Victor M. Lyatkher

An up-to-date and thorough treatment of the technologies, practical applications, and future of wind power, with the pros and cons and technical intricacies of various types of wind turbines and wind power prediction

With the demand for energy outstripping availability from conventional sources such as fossil fuels, new sources of energy must be found. Wind power is the most mature of all of the renewable or alternative sources of energy being widely used today. With many old wind turbines becoming obsolete or in need of replacement, new methods and materials for building turbines are constantly being sought after, and troubleshooting, from an engineering perspective, is paramount to the operational efficiency of turbines currently in use.

Wind Power: Turbine Design, Selection, and Optimization:

- Details the technical attributes of various types of wind turbines, including new collinear windmills, orthogonal windmills, non-vibration VAWT wind turbines, and others
- Covers all the updated protocols for wind power and its applications
- Offers a thorough explanation of the current and future state of wind power
- Is suitable not only as a reference for the engineer working with wind power but as a textbook for graduate students, postdoctoral students, and researchers

Wind power is one of the fastest-growing, oldest, and "greenest" of the major sources of renewable energy that has been developed, with more efficient and cost-effective technologies and materials now constantly being sought for turbines and the equipment used with them. Here is a comprehensive and thorough review of the engineering pros and cons of using different kinds of wind turbines in different environments, including offshore. With full technical knowledge, engineers, managers, and other decision-makers in the wind energy industry can make more informed decisions about increasing capacity, cost-efficiency, and equipment longevity.

Covering the various types of wind turbines available, such as new collinear windmills, orthogonal turbines, and others, this highly technical treatment of

wind turbines offers engineers, students, and researchers insight into the practical applications of these turbines and their potential for maximum efficiency.

Wind Power: Turbine Design, Selection, and Optimization

By Victor M. Lyatkher

Wind Power: Turbine Design, Selection, and Optimization By Victor M. Lyatkher

An up-to-date and thorough treatment of the technologies, practical applications, and future of wind power, with the pros and cons and technical intricacies of various types of wind turbines and wind power prediction

With the demand for energy outstripping availability from conventional sources such as fossil fuels, new sources of energy must be found. Wind power is the most mature of all of the renewable or alternative sources of energy being widely used today. With many old wind turbines becoming obsolete or in need of replacement, new methods and materials for building turbines are constantly being sought after, and troubleshooting, from an engineering perspective, is paramount to the operational efficiency of turbines currently in use.

Wind Power: Turbine Design, Selection, and Optimization:

- Details the technical attributes of various types of wind turbines, including new collinear windmills, orthogonal windmills, non-vibration VAWT wind turbines, and others
- Covers all the updated protocols for wind power and its applications
- Offers a thorough explanation of the current and future state of wind power
- Is suitable not only as a reference for the engineer working with wind power but as a textbook for graduate students, postdoctoral students, and researchers

Wind power is one of the fastest-growing, oldest, and "greenest" of the major sources of renewable energy that has been developed, with more efficient and cost-effective technologies and materials now constantly being sought for turbines and the equipment used with them. Here is a comprehensive and thorough review of the engineering pros and cons of using different kinds of wind turbines in different environments, including offshore. With full technical knowledge, engineers, managers, and other decision-makers in the wind energy industry can make more informed decisions about increasing capacity, cost-efficiency, and equipment longevity.

Covering the various types of wind turbines available, such as new collinear windmills, orthogonal turbines, and others, this highly technical treatment of wind turbines offers engineers, students, and researchers insight into the practical applications of these turbines and their potential for maximum efficiency.

Wind Power: Turbine Design, Selection, and Optimization By Victor M. Lyatkher Bibliography

- Rank: #7441081 in Books
- Published on: 2013-12-16
- Original language: English
- Number of items: 1
- Dimensions: 9.50" h x .90" w x 6.30" l, 1.25 pounds
- Binding: Hardcover

- 328 pages

Editorial Review

From the Back Cover

An up-to-date and thorough treatment of the technologies, practical applications, and future of wind power, with the pros and cons and technical intricacies of various types of wind turbines and wind power prediction

With the demand for energy outstripping availability from conventional sources such as fossil fuels, new sources of energy must be found. Wind power is the most mature of all of the renewable or alternative sources of energy being widely used today. With many old wind turbines becoming obsolete or in need of replacement, new methods and materials for building turbines are constantly being sought after, and troubleshooting, from an engineering perspective, is paramount to the operational efficiency of turbines currently in use.

Wind Power: Turbine Design, Selection, and Optimization:

- Details the technical attributes of various types of wind turbines, including new collinear windmills, orthogonal windmills, non-vibration VAWT wind turbines, and others
- Covers all the updated protocols for wind power and its applications
- Offers a thorough explanation of the current and future state of wind power
- Is suitable not only as a reference for the engineer working with wind power but as a textbook for graduate students, postdoctoral students, and researchers

Wind power is one of the fastest-growing, oldest, and "greenest" of the major sources of renewable energy that has been developed, with more efficient and cost-effective technologies and materials now constantly being sought for turbines and the equipment used with them. Here is a comprehensive and thorough review of the engineering pros and cons of using different kinds of wind turbines in different environments, including offshore. With full technical knowledge, engineers, managers, and other decision-makers in the wind energy industry can make more informed decisions about increasing capacity, cost-efficiency, and equipment longevity.

Covering the various types of wind turbines available, such as new collinear windmills, orthogonal turbines, and others, this highly technical treatment of wind turbines offers engineers, students, and researchers insight into the practical applications of these turbines and their potential for maximum efficiency.

READERSHIP:

Wind engineers, structural engineers, mechanical engineers, electrical engineers, and any technicians or operators working with turbines.

About the Author

Victor Lyatkher is a professor, engineer, and inventor and has worked for over thirty years in the wind and hydro-power industry. Educated in Moscow and Leningrad, Dr. Lyatkher has developed and patented numerous processes and machines which deal mainly with renewable energy sources such as tidal power, water turbines, and vertical axis wind turbines. He developed a new method of forecasting long-term variations in the level of the Caspian Sea and designed a new kind of low head turbine. He has been the

recipient of several prizes and awards for his accomplishments, including the Prize of the Council of Ministers of the USSR, the Award of the Indian Society of Earthquake Technology, and five medals (in gold, silver and bronze) of the All Union USSR Exhibition. He has published numerous books (in Russian) on the subject of renewable energy, and was the original inventor of the helical turbine, patented in the USSR in 1983.

Users Review

From reader reviews:

Cheryl Stone:

Reading can called imagination hangout, why? Because while you are reading a book specifically book entitled Wind Power: Turbine Design, Selection, and Optimization your thoughts will drift away trough every dimension, wandering in each aspect that maybe mysterious for but surely can be your mind friends. Imaging just about every word written in a publication then become one contact form conclusion and explanation in which maybe you never get prior to. The Wind Power: Turbine Design, Selection, and Optimization giving you one more experience more than blown away your thoughts but also giving you useful facts for your better life in this particular era. So now let us show you the relaxing pattern here is your body and mind are going to be pleased when you are finished examining it, like winning a game. Do you want to try this extraordinary shelling out spare time activity?

Theodore Pritchard:

Beside that Wind Power: Turbine Design, Selection, and Optimization in your phone, it could give you a way to get closer to the new knowledge or information. The information and the knowledge you will got here is fresh from your oven so don't possibly be worry if you feel like an outdated people live in narrow commune. It is good thing to have Wind Power: Turbine Design, Selection, and Optimization because this book offers for you readable information. Do you sometimes have book but you don't get what it's all about. Oh come on, that will not end up to happen if you have this with your hand. The Enjoyable blend here cannot be questionable, such as treasuring beautiful island. Techniques you still want to miss that? Find this book and also read it from today!

David Simpson:

Is it you actually who having spare time after that spend it whole day by watching television programs or just laying on the bed? Do you need something totally new? This Wind Power: Turbine Design, Selection, and Optimization can be the answer, oh how comes? A book you know. You are and so out of date, spending your free time by reading in this completely new era is common not a nerd activity. So what these books have than the others?

Mary Wines:

In this era which is the greater individual or who has ability in doing something more are more treasured than other. Do you want to become one of it? It is just simple method to have that. What you need to do is just

spending your time very little but quite enough to experience a look at some books. One of several books in the top collection in your reading list is actually Wind Power: Turbine Design, Selection, and Optimization. This book that is qualified as The Hungry Hills can get you closer in turning into precious person. By looking way up and review this e-book you can get many advantages.

Read Wind Power: Turbine Design, Selection, and Optimization By Victor M. Lyatkher for online ebook

Wind Power: Turbine Design, Selection, and Optimization By Victor M. Lyatkher Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Wind Power: Turbine Design, Selection, and Optimization By Victor M. Lyatkher books to read online.

Online Wind Power: Turbine Design, Selection, and Optimization By Victor M. Lyatkher ebook PDF download

Wind Power: Turbine Design, Selection, and Optimization By Victor M. Lyatkher Doc

Wind Power: Turbine Design, Selection, and Optimization By Victor M. Lyatkher Mobipocket

Wind Power: Turbine Design, Selection, and Optimization By Victor M. Lyatkher EPub

MROXNQWLAY3: Wind Power: Turbine Design, Selection, and Optimization By Victor M. Lyatkher