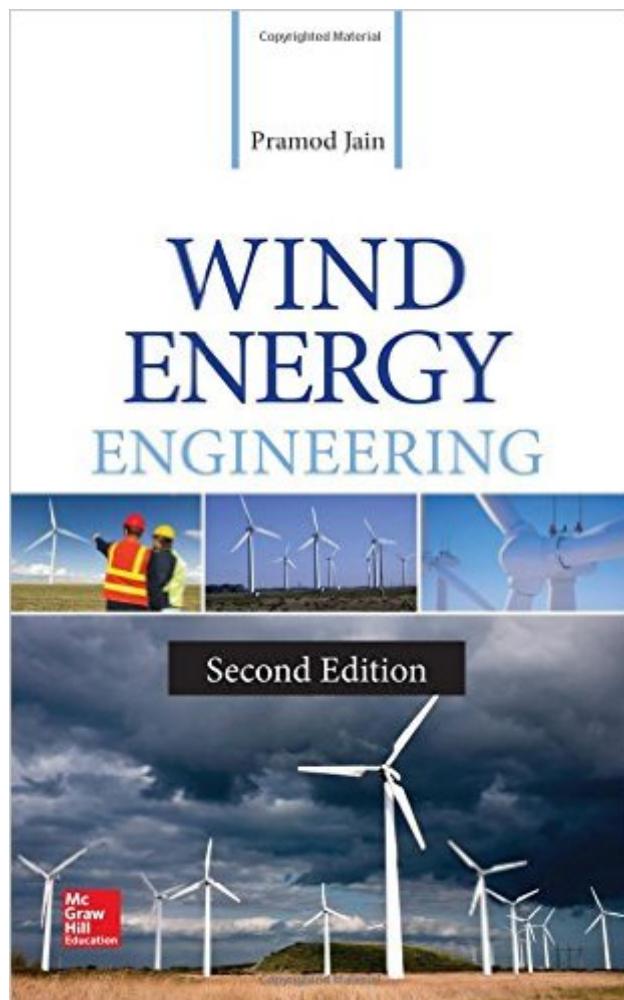


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Wind Energy Engineering, Second Edition



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A fully up-to-date, comprehensive wind energy engineering resource. This thoroughly updated reference offers complete details on effectively harnessing wind energy as a viable and economical power source. Globally recognized wind expert Pramod Jain clearly explains physics, meteorology, aerodynamics, wind measurement, wind turbines, and electricity. New energy policies and grid integration procedures are covered, including pre-deployment studies and grid modifications. Filled with diagrams, tables, charts, graphs, and statistics, *Wind Energy Engineering, Second Edition*, is a definitive guide to current developments and emerging technologies in wind energy. *Wind Energy Engineering, Second Edition* covers:

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Wind turbine aerodynamics
Turbine blade element models and power curves
Wind measurement and reporting
Wind resource assessment
Advanced resource assessment topics, including wake, losses, and uncertainty
Wind turbine generator components
Electricity and generator fundamentals
Grid integration of wind energy
Environmental impact of wind projects
Financial modeling, planning, and execution of wind projects
Wind energy policy and licensing guidelines

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