1. Record Nr. UNINA9910437778003321

Titolo	Handbook of Wind Power Systems / / edited by Panos M. Pardalos, Steffen Rebennack, Mario V. F. Pereira, Niko A. Iliadis, Vijay Pappu
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2013
ISBN	3-642-41080-4
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (839 p.)
Collana	Energy Systems, , 1867-8998
Disciplina	621.312136
Soggetti	Renewable energy resources Energy systems Renewable and Green Energy Energy Systems Science, Humanities and Social Sciences, multidisciplinary
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Part 1: Optimization in Wind Power Generation -- Part 2: Grid Integration of Wind Power Systems -- Part 3: Modeling, Control and Maintenance of Wind Facilities -- Part 4: Innovative Wind Energy Generation.
Sommario/riassunto	Wind power is currently considered as the fastest growing energy resource in the world. Technological advances and government subsidies have contributed in the rapid rise of Wind power systems. The Handbook on Wind Power Systems provides an overview on several aspects of wind power systems and is divided into four sections: optimization problems in wind power generation, grid integration of wind power systems, modeling, control and maintenance of wind facilities, and innovative wind energy generation. The chapters are contributed by experts working on different aspects of wind energy generation and conversion.