

1. Record Nr.	UNINA9910876503403321
Titolo	Economic market design and planning for electric power systems // edited by James Momoh, Lamine Mili
Pubbl/distr/stampa	Hoboken, NJ, : Wiley, c2010
ISBN	1-282-45514-1 9786612455148 0-470-52916-4 0-470-52915-6
Descrizione fisica	1 online resource (311 p.)
Collana	IEEE Press series on power engineering ; ; 52
Altri autori (Persone)	MomohJames A. <1950-> MiliLamine
Disciplina	333.7932 621.310684
Soggetti	Electric power systems - Planning Electric power systems - Costs - Econometric models Electric utilities - Marketing
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.
Nota di contenuto	A framework for interdisciplinary research and education -- Modeling electricity markets: a brief introduction -- Alternative economic criteria and proactive planning for transmission investment in deregulated power systems -- Payment cost minimization with demand bids and partial capacity cost compensations for day-ahead electricity auctions -- Dynamic oligopolistic competition in an electric power network and impacts of infrastructure disruptions -- Plant reliability in monopolies and duopolies: a comparison of market outcomes with socially optimal levels -- Building an efficient reliable and sustainable power system: an interdisciplinary approach -- Risk-based power system planning integrating social and economic direct and indirect costs -- Models for transmission expansion planning based on reconfigurable capacitor switching -- Next generation optimization for electric power systems.
Sommario/riassunto	Discover cutting-edge developments in electric power systems Stemming from cutting-edge research and education activities in the field of electric power systems, this book brings together the

knowledge of a panel of experts in economics, the social sciences, and electric power systems. In ten concise and comprehensible chapters, the book provides unprecedented coverage of the operation, control, planning, and design of electric power systems. It also discusses: A framework for interdisciplinary research and education Modeling electricity markets Alternative econo
