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Edizione	[3rd ed.]
Descrizione fisica	1 online resource (439 p.)
Collana	Electric power engineering handbook
Disciplina	621.31 621.3121
Soggetti	Electric power system stability Electric power systems - Control
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Cover; Contents; Preface; Editor; Contributors; Chapter 1 - Transformer Protection; Chapter 2 - The Protection of Synchronous Generators; Chapter 3 - Transmission Line Protection; Chapter 4 - System Protection; Chapter 5 - Digital Relaying; Chapter 6 - Use of Oscillograph Records to Analyze System Performance; Chapter 8 - Power System Stability; Chapter 9 - Transient Stability; Chapter 10 - Small-Signal Stability and Power System Oscillations; Chapter 11 - Voltage Stability; Chapter 12 - Direct Stability Methods; Chapter 13 - Power System Stability Controls Chapter 14 - Power System Dynamic Modeling Chapter 15 - Wide-Area Monitoring and Situational Awareness; Chapter 16 - Assessment of Power System Stability and Dynamic Security Performance; Chapter 17 - Power System Dynamic Interaction with Turbine Generators; Chapter 18 - Wind Power Integration in Power Systems; Chapter 19 - Flexible AC Transmission Systems (FACTS); Chapter 20 - Energy Management; Chapter 21 - Generation Control: Economic Dispatch and Unit Commitment; Chapter 22 - State Estimation; Chapter 23 - Optimal Power Flow; Chapter 24 - Security Analysis; Back Cover
Sommario/riassunto	With contributions from worldwide leaders in the field, Power System Stability and Control, Third Edition (part of the five-volume set, The

Electric Power Engineering Handbook) updates coverage of recent developments and rapid technological growth in essential aspects of power systems. Edited by L.L. Grigsby, a respected and accomplished authority in power engineering, and section editors Miroslav Begovic, Prabha Kundur, and Bruce Wollenberg, this reference presents substantially new and revised content. Topics covered include: Power System Protect
