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Autore	Campanale, Domenico
Titolo	Il diritto della filosofia e la filosofia del diritto / Domenico Campanale
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Collana	Pubblicazioni del Seminario per le scienze giuridiche e politiche dell'Università di Pisa ; 6
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Soggetti	Diritto - Filosofia
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Autore	Shahidehpour M. <1955->
Titolo	Communication and control in electric power systems : applications of parallel and distributed processing / / Mohammad Shahidehpour, Yaoyu Wang
Pubbl/distr/stampa	Piscataway, NJ, : IEEE Press Hoboken, N.J., : Wiley-Interscience, c2003
ISBN	9786610367214 9781280367212 1280367210 9780470357385 047035738X 9780471462910 0471462918 9780471462927 0471462926
Descrizione fisica	1 online resource (557 p.)
Collana	IEEE Press series on power engineering
Altri autori (Persone)	WangYaoyu
Disciplina	621.319/1
Soggetti	Electric power systems - Control Electric power systems - Communication systems Electric power systems - Load dispatching

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Formato	Materiale a stampa
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 503-529) and index.
Nota di contenuto	Preface. -- 1. Introduction. -- 2. Parallel and Distributed Processing of Power Systems. -- 3. Information System for Control Centers. -- 4. Common Information Model and Middleware for Integration. -- 5. Parallel and Distributed Load Flow Computation. -- 6. Parallel and Distributed Load Flow of Distribution Systems. -- 7. Parallel and Distributed State Estimation. -- 8. Distributed Power System Security Analysis. -- 9. Hierarchical and Distributed Control of Voltage/VAR. -- 10. Transmission Congestion Management Based on Multi-Agent Theory. -- 11. Integration, Control, and Operation of Distributed Generation. -- 12. Special Topics in Power System Information System. -- Appendix A. Example System Data. -- Appendix B. Measurement Data for Distributed State Estimation. -- Appendix C. IEEE-30 Bus System Data. -- Appendix D. Acronyms. -- Bibliography. -- Index.
Sommario/riassunto	The first extensive reference on these important techniques The restructuring of the electric utility industry has created the need for a mechanism that can effectively coordinate the various entities in a power market, enabling them to communicate efficiently and perform at an optimal level. Communication and Control in Electric Power Systems, the first resource to address its subject in an extended format, introduces parallel and distributed processing techniques as a compelling solution to this critical problem. Drawing on their years of experience in the industry, Mohammad Shahidehpour and Yaoyu Wang deliver comprehensive coverage of parallel and distributed processing techniques with a focus on power system optimization, control, and communication. The authors begin with theoretical background and an overview of the increasingly deregulated power market, then move quickly into the practical applications and implementations of these pivotal techniques. Chapters include: . Integrated Control Center Information. Parallel and Distributed Computation of Power Systems. Common Information Model and Middleware for Integration. Online Distributed Security Assessment and Control. Integration, Control, and Operation of Distributed Generation. Agent Theory and Power Systems Management. e-Commerce of Electricity A ready resource for both students and practitioners, Communication and Control in Electric Power Systems proves an ideal textbook for first-year graduate students in power engineering with an interest in computer communication systems and control center design. Designers, operators, planners, and researchers will likewise appreciate its unique contribution to the professional literature.