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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chapter 1: Introduction -- M. E. El-Hawary -- Chapter 2 : State estimation in power systems based on a mathematical programming approach -- Eduardo Caro and Araceli Hern'andez -- Chapter 3: System Stress and Cascading Blackouts -- Hyde M. Merrill and James W. Felte -- Chapter 4 : Model-based anomaly detection for power system state estimation -- Aditya Ashok, Manimaran Govindarasu, and Venkataramana Ajjarapu -- Chapter 5 : Protection, Control and Operation of Microgrids -- A P Sakis Meliopoulos, Yu Liu Sungyun Choi, and George J Cokkinides -- Chapter 6: Distributed Robust Power System State Estimation -- Vassilis Kekatos; H. Zhu , G. Wang, and Georgios B. Giannakis -- Chapter 7: Robust Wide-Area Fault Visibility and Structural Observability in Power Systems with Synchronized Measurement Units -- Mert Korkali -- Chapter 8: A Hybrid Robust Power System State Estimator with Unknown Measurement Noise -- Junbo Zhao; Lamine Mili; and Massimo La Scala -- Chapter 9: Least-Trimmed-Absolute-Value State estimator -- Ibrahim Omar Habiballah, and Yuanhai Xia -- Chapter 10 : Probabilistic State Estimation in Distribution Networks -- Bernd Brinkmann; and Michael Negnevsky -- Chapter 11: Advanced distribution system state estimation in multi-area architectures -- Marco Pau, Paolo Attilio Pegoraro, Ferdinanda Ponci, and Sara Sulis -- Chapter 12: Hierarchical Multi-Area State

Estimation -- Ye Guo; Lang Tong; Wenchuan Wu; Hongbin Sun; Boming Zhang -- Chapter 13: Parallel Domain-Decomposition-Based Distributed State Estimation for Large-Scale Power Systems -- Hadis Karimipour; Venkata Dinavahi -- Chapter 14: Dishonest Gauss Newton method based power system state estimation on a GPU -- Md. Ashfaqur Rahman; and Ganesh Kumar Venayagamoorthy

Sommario/riassunto

"A static state estimator (SSE) is a collection of digital computer programs which convert telemetered data into a reliable estimate of the transmission network structure and state by accounting for small random metering-communication errors; uncertainties in system parameter values; bad data due to transients and meter-communication failures; and errors in the network structure due to faulty switch-circuit breaker status information. Failure of SSE at System Operators' facilities has been cited as one of the primary causes for some major blackouts over the two decades"--

2. Record Nr.

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Autore

Thoreau Henry David

Titolo

Cape Cod : "What is the use of a house if you haven't got a tolerable planet to put it on?"

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