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Descrizione fisica	1 online resource (112 p.)
Collana	Green Energy and Technology, , 1865-3529
Disciplina	621.319
Soggetti	Energy policy Energy and state Power electronics Electrical engineering Signal processing Image processing Speech processing systems Mathematical optimization Energy Policy, Economics and Management Power Electronics, Electrical Machines and Networks Communications Engineering, Networks Signal, Image and Speech Processing Optimization
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	Introduction -- Energy Cost Minimization for Internet Data Centers Considering Power Outages -- Carbon-aware Energy Cost Minimization for Internet Data Centers -- Joint Workload and Battery Scheduling for Data Center Energy Cost Minimization -- Risk-constrained Operation for Internet Data Centers in Deregulated Electricity Markets -- Conclusions.
Sommario/riassunto	This book reports the latest findings on intelligent energy management of Internet data centers in smart-grid environments. The book gathers novel research ideas in Internet data center energy management,

especially scenarios with cyber-related vulnerabilities, power outages and carbon emission constraints. The book will be of interest to university researchers, R&D engineers and graduate students in communication and networking areas who wish to learn the core principles, methods, algorithms, and applications of energy management of Internet data centers in smart grids.
