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Nota di contenuto	IoT Big Data Analytics with Fog Computing for Household Energy Management in Smart Grids -- Secured Cancer Care and Cloud Services in IoT/WSN Based Medical Systems -- Privacy Preserving for Location-based IoT Services -- Smart Home Security Application Enabled by IoT: Using -- An MQTT-Based Scalable Architecture for Remote Monitoring and Control of Large-Scale Solar Photovoltaic Systems -- A Smart Meter Firmware Update Strategy through Network Coding for AMI Network -- Protected Bidding Against Compromised Information Injection in IoT-based Smart Grid -- A Chain Based Signature Scheme for Uplink and Downlink Communications in AMI Networks -- Robustness situations in cases of node failure and packet collision enabled by TCNet: Trellis Coded Network - a new algorithm and routing protocol -- Effectiveness of Hard Clustering Algorithms for Securing Cyber Space -- On Data

Driven Organizations and the Necessity of Interpretable Models -- A Multi-Factor Authentication Method for Security of Online Examinations -- Evaluation Metrics for Big Data Project Management.

Sommario/riassunto

This book constitutes the refereed proceedings of the Second EAI International Conference on Smart Grid and Internet of Things, SGIoT 2018, held in Niagara Falls, Canada, Ontario, in July 2018. The 14 papers presented were carefully reviewed and selected from 25 submissions and present research results on how to achieve more efficient use of resources based largely on IoT-based machine-to-machine interactions in the smart grid communication networks. The smart grid also encompasses IoT technologies, which monitor transmission lines, manage substations, integrate renewable energy generation (e.g., solar or wind), and utilize hybrid vehicle batteries. Through these technologies, the authorities can smartly identify outage problems, and intelligently schedule the power generation and delivery to the customers.
