

Big data analytics can impact the design and applications towards safer, better, more profitable, and effective power grid. This paper presents the recognition and challenges of the big ...

In this chapter, we put more emphasize on micro-grid systems as crucial infrastructures for leveraging energy-efficient and smart buildings by developing and deploying a holistic IoT and Big-Data platform ...

This white paper focuses on tools that support design, planning and operation of microgrids (or aggregations of microgrids) for multiple needs and stakeholders (e.g., utilities, developers, ...

This article explores the role of microgrid ecosystems in powering data centers, the opportunities they unlock, the compliance challenges they present, and how a compliance-by-design ...

For the effective control, monitoring, and coordination of smart appliances within a smart grid subsystem; the exchange of data is indispensable. Energy companies, however, confront ...

The traditional electric power distribution network is evolving to support scalable and connected services in Smart Cities (SC). The emergence of Smart Grid (SG).

November 3 - Microgrids are being developed across the U.S. as new data centers drive up power demand and companies and communities seek reliable power supplies and protection against ...

There is a fast boom in building data-centers to power artificial-intelligence (AI) and cloud computing. But some experts now warn this boom might be a bubble -- and if it bursts, the damage ...

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