

Drawing from the extensive set of Internet protocols developed in recent years by the IETF, a working group of Smart Grid experts has been identifying the core set that will be required to ...

This textbook provides an ideal resource for students in advanced graduate-level courses and special topics in energy, information and control systems. It comprehensively describes the energy Internet, ...

In this paper, a holistic review of the energy Internet evolution in terms of the architecture, types of ERs, and the benefits and challenges of its ...

In this paper, we propose the redefinition of EI, based on a comprehensive literature review, some latest trends and driving forces in the global energy industry, as well as its ...

In this paper, a holistic review of the energy Internet evolution in terms of the architecture, types of ERs, and the benefits and challenges of its implementation is presented.

The internet of energy (IoE) in case of control, communication, networking, and security are analyzed.

To realize renewable-energy-based electrification goals, a new concept--the Energy Internet (EI)--has been proposed, inspired by the most recent advances in information and ...

Energy Internet (EI) envisions a future energy system with sustainable concerns of efficiency, economy and environment by achieving flexibility of multi-energy-integrated physical ...

This chapter presents the development of the Energy Internet throughout the history as an evolutionary solution based on modern technological development and needs, with the respect of its architecture, ...

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