Special Issue

Smart Grid: Convergence & Interoperability

Message from the Guest Editor

A conventional centrally controlled grid turns into a smart grid through the development of information and communication technologies. A smart grid includes many devices and subsystems, such as smart meters, smart appliances, distributed sensors, and intelligent energy management systems in an ICT infrastructure. Therefore, to realize a smart grid, interoperability and seamless convergence between the components should be ensured. However, this is a challenging task because the elements use different data semantic models and communication protocols. For this reason, the issues of interoperability and convergence are recognized as major barriers to the implementation of the smart grid. Therefore, it is necessary to recognize the importance of the interoperability and convergence issues in the smart grid and consequently address them...

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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