## **Special Issue**

### Challenge and Research Trends of Smart Power Grid

### Message from the Guest Editor

The smart power grid is the future electric power system that supports bi-directional energy and information flow between consumer and service provider. The smart power grid aims to modernize the current electric power system with a new set of technologies and services such as distributed energy generation (wind and solar energy), advanced meter infrastructures, electric vehicles, and home/building energy management systems. Artificial intelligence, Blockchain technology, and the underlying communication infrastructures will play an important role in supporting the grid integration of different smart grid applications with the aim to improve power quality, reliability, efficiency, and security. This Special Issue focuses on the role of information and communication technologies, artificial intelligence, Blockchain technology, and their applications in the development of the future smart power grid including energy forecasting, energy trading, the integration of wind energy, solar energy, electric vehicles, smart meters, smart homes/building, etc.

#### **Guest Editor**

Prof. Dr. Young-Chon Kim Division of Electronic and Information, Department of Information Technology, Jeonbuk National University, Jeonju 54896, Korea

### Deadline for manuscript submissions

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Energies Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +4161 683 77 34 energies@mdpi.com

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### Message from the Editor-in-Chief

*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.

### Editor-in-Chief

Prof. Dr. Enrico Sciubba Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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