



Power Grid on Energy Great Transition with High Penetration of Renewable Energies

Guest Editor:

Prof. Jung-Wook PARK

School of Electrical and
Electronic Engineering, Yonsei
University, Korea

jungpark@yonsei.ac.kr

Deadline for manuscript
submissions:

28 February 2019

Message from the Guest Editor

Dear Colleagues,

The objective of this Special Issue is to address, discuss, and present the novel theories, methods, and applications to the power grid on energy great transition. Topics of interest for publication include, but are not limited to:

- Methods to obtain the grid-connected flexibility and maximize the allowable capacity
- New system structures with interconnection of AC and DC
- Smart inverter and active distribution system
- Applications of FACTS and HVDC
- Short-term and long-term planning of power system with the high penetration of renewable energies
- Cooperative operation and energy management of transmission and distribution systems
- Converter-level and plant-level controls of wind power and photovoltaic generations
- Short-term and long-term grid-level cooperative control for different types of power plants
- Improvement of stability with respect to frequency and voltage of system
- Real-time fast state estimation algorithms

Prof. Jung-Wook PARK

Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Room 32, Department of
Mechanical and Aerospace
Engineering, University of Roma
Sapienza, Via Eudossiana 18,
00184 Roma, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High visibility: indexed by the Science Citation Index Expanded (Web of Science), Ei Compendex, Scopus and other databases.

Rapid publication: manuscripts are peer-reviewed and a first decision provided to authors approximately 13.4 days after submission; acceptance to publication is undertaken in 5.6 days (median values for papers published in this journal in the second half of 2018).

Contact Us

Energies
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

mdpi.com/journal/energies
energies@mdpi.com
@energies_mdpi