



Advanced Technologies in Electrical and Electronic Engineering

Guest Editors:

Prof. Dr. Kejun Li

School of Electrical Engineering,
Shandong University, Jinan
250002, China

Dr. Yongliang Liang

Key Laboratory of Power System
Intelligent Dispatch and Control
of Ministry of Education, School
of Electrical Engineering,
Shandong University, Jinan
250061, China

Dr. Zhijie Liu

School of Electrical Engineering,
Shandong University, Jinan
250002, China

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Message from the Guest Editors

Dear Colleagues,

The electrical power system is facing numerous unprecedented threats and challenges from urgent low-carbon requirement, uncertain renewable power integration, severe natural disasters, energy costs climb, and so forth. As the situation is getting more serious, it has been revealed that the conventional electrical power system can not meet future requirements. To achieve an affordable, clean, safe, stable, and resilient power supply, new technologies are presented to solve problems, which include but are not limited to the integrated energy system (IES), smart distribution network (SDN), multilevel high power converter (MHPC), advanced power system protection technology (APSP), direct current transmission and distribution technology (DCTD), panoramic situation awareness (PSA), and high-voltage insulation technology (HVI). The planned issue of Symmetry seeks to show the great significance of expressing new ideas and conducting research. In the opinion of the Guest Editors, there are many potential possibilities for the application of new technologies to solve the problems faced by conventional electrical systems...





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Editor-in-Chief

Prof. Dr. Sergei D. Odintsov

1. Institució Catalana de Recerca
i Estudis Avançats (ICREA),
Passeig Luis Companys, 23,
08010 Barcelona, Spain
2. Institute of Space Sciences
(ICE-CSIC), C. Can Magrans s/n,
08193 Barcelona, Spain

Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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Contact Us

Symmetry Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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symmetry@mdpi.com
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