

Special Issue

Micro Grid Protection

Message from the Guest Editor

The micro grid (MG) is a small distribution system consisting of DG, loads, and energy management systems (EMSs). MG operation, such as switching between grid-connected and islanded modes, enhances the distribution system's reliability, power quality, and efficiency. The difference between the MG operation and the conventional distribution system, however, raises several protection problems. Because, in each scenario, the MG experiences a substantially different fault current as a result of bidirectional power flows, radial-loop switching between topologies, and various scenarios in the grid-tied and islanded mode for a similar fault location, protection schemes designed for traditional distribution systems cannot be implemented to the MG. This Special Issue focus on publication topics of concern include, but are not limited to, adaptive protection, intelligent fault detection, classification of faults, and islanding detection. For the advancement of MG protection technology, we welcome all papers linked to the subjects listed above. In addition, we would like to thank the readers and authors interested in this Special Issue.

Guest Editor

Prof. Dr. Chul Hwan Kim

Department of Information and Communication Engineering,
Sungkyunkwan University, Suwon 16419, Korea

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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, Italy

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