Advanced Control in Microgrid Systems

Message from the Guest Editor

We are inviting submissions to a Special Issue of *Energies* on the subject area of “Advanced Control in Microgrid Systems”. With the increasing integration of renewable energy and the development of a smart grid, the topic of microgrids has attracted a lot of attention in recent years.

Microgrids are distributed electric power systems that autonomously coordinate power generations and demands. Modern microgrids often include renewable energy generations, such as wind and solar, supported by distributed energy storage systems. The distributed nature of microgrids and the uncertain, intermittent nature of power demands and renewable energy generations pose significant challenges in the operation of microgrids. Advanced methods of modern control play an important role in achieving a reliable, robust, secure, and cost-effective functioning of microgrid systems. Researchers and engineers worldwide are working together to develop novel and efficient tools of control in microgrids. This Special Issue is focused on new developments in the field of advanced control in microgrid systems.
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

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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
energies@mdpi.com
@energies_mdpi

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