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# Advanced Control in Microgrid Systems 2021

Guest Editor:

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Deadline for manuscript submissions:
**closed (20 January 2022)**

## Message from the Guest Editor

We are inviting submissions to a new Special Issue of *Energies* on the subject area of "Advanced Control in Microgrid Systems 2021". 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.

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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.

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