

Special Issue

Smart Grids and Microgrids in Smart Cities: Operation, Control, Protection and Security

Message from the Guest Editors

With the increasing application of renewable energy in the grid, the structure and intelligence level of the grid is changing profoundly. At present, smart grids and microgrids have attracted increasing attention with their advantages of efficient utilization of new energy and flexible power supply, which are inevitable choices the construction for future smart city shifting from theoretical research to engineering construction and commercial operation. Smart grids and microgrids composed of power electronic converters involve many research fields such as renewable power generation, flexible resource dispatch, multiple time scale operations, intelligent control coupling, and multiple types of transient processes. Therefore, combining the technical challenges faced by smart grids and microgrids in stability analysis and control, this Special Issue welcomes articles delivering new findings and innovative technologies enhancing the operation, control, protection, and security of smart grids and microgrids, aiming to enable the transition towards sustainable smart cities. We look forward to receiving your contributions.

Guest Editors

Dr. Xiangyu Zhang

Prof. Dr. Yang Li

Dr. Yanjun Tian

Dr. Yuan Fu

Deadline for manuscript submissions

closed (17 December 2024)



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

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario
Institute of Technology, Oshawa, ON L1G 0C5, Canada

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