



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

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Message from the Guest Editors

Dear Colleagues,

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.





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Message from the Editor-in-Chief

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