



Control Theory and Applications in Renewable Energy System

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Message from the Guest Editors

Meeting environmental targets toward the reduction of national carbon dioxide emissions and dependency on fossil fuels substantially promotes energy generation from renewable energy resources. The increasing interest in the efficient and reliable integration of renewable distributed energy resources as well as recent advances in power electronics technologies require appropriate control systems that guarantee stability and various system performances. Therefore, it is clear that control theory is a key enabling technology for the deployment of renewable energy systems.

This Special Issue aims to collect original research on innovative control techniques and applications for renewable energy systems including low-inertia power grids, smart grids, microgrids, wind turbines, grid-connected inverters, zero-emission ships, marine wave energy converters, electric vehicles, and related applications. Papers submitted to this Special Issue will be subject to a rigorous peer-review procedure, with the aim of rapid and wide dissemination of research contributions.

We look forward to receiving your outstanding research.





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