

Special Issue

The Impact of Technological Innovation on Renewable Energy Production: Simulation and Control of New Energy Power Generation Systems, 2nd Edition

Message from the Guest Editors

In recent years, the use of fossil energy has led to various environmental problems around the world, thus further promoting the rapid development of renewable energy in the world. Not only can the development of renewable energy improve these environmental problems, but the production cost is also significantly reduced. Wind power, photovoltaic power, and hydroelectric power, which are important components of renewable energy, can be developed as viable options for future power generation. However, the development of new energy power generation systems makes the control of hybrid power generation systems consisting of multiple new energy sources, the control between renewable energy and grid-connected hybrid energy storage, and the complex energy management control of distributed power generation systems very challenging. This Special Issue aims to promote the development and research of control strategies and simulation techniques for new energy power generation systems so that the stability of these systems and the power quality of AC grids can be improved. We look forward to receiving your contributions.

Guest Editors

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Editor-in-Chief

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