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Intelligent Control Technologies for High Permeability Renewable Energies Featured Power Grid

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Message from the Guest Editors

The need for low carbon emissions due to global climate change and the increasing energy consumed by social development promote the power grid transforming into a new stage by way of introducing extensive renewable energy and power electronic devices. However, with the influence of energy structure adjustment, the new power grid is facing some challenges. The randomness and intermittence of new energy sources lead to stability problems in the voltage and frequency of the power grid.

Meanwhile, the inertia and damping of the power grid with massive power electronic equipment is reduced, leading to a vulnerable anti-disturbance capability of the grid.

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Message from the Editor-in-Chief

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