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Analysis and Control of Complex Power Systems

Guest Editor:

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Deadline for manuscript submissions:
closed (31 October 2022)

Message from the Guest Editor

Dear Colleagues,

Power systems are facing great changes today, from simple ones in huge traditional power sources, regular transmission power, and passive power load to complex ones in massive modern renewable power sources, volatile transmission power, and active power load. In view of these changes, this Special Issue aims to present recent advances related to the theory, analysis, and control of modern complex power systems.

Topics of interest for publication include but are not limited to:

- Cascading failure and complexity of power systems;
- Power systems with high wind or PV power penetration;
- Power systems with multi-infeed LCC-HVDC or VSC-HVDC;
- Uncertainties and multi-time scale of complex power systems;
- Voltage, frequency, and converter stabilities of complex power systems;
- Coordinate control of complex power systems with wind, PV, ES, and DR.

Associate Prof. Dr. Hao Wu
Guest Editor

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Message from the Editor-in-Chief

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