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Advances in Low Carbon and Artificial Intelligence in Power Energy System

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Message from the Guest Editors

Dear Colleagues,

In terms of the uncertainty of renewable energy, it is necessary to operate power energy systems under variable conditions. In order to achieve the objectives of low carbon use, economy, and speediness, artificial intelligence algorithms are introduced in the optimal operation of power energy systems. This Special Issue aims to present the most recent advances related to the theory, design, modelling, numerical simulation, application, optimization, dynamic characteristics, performance assessment, and control of low-carbon and artificial intelligence technologies in power energy systems. We invite you to bring us your contributions on topics including, but not limited to, the following:

- Advanced power energy systems;
- Renewable energy technologies;
- Carbon neutrality;
- Artificial intelligence;
- Optimization algorithms;
- Operating strategy on power energy systems;
- Dynamic modelling;
- Performance assessment;
- Supercritical CO2 cycle;
- Numerical modelling;

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Message from the Editor-in-Chief

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