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## Advances in the Monitoring, Evaluation, Operation and Development of High-Penetration Renewable Energy Power Systems

Guest Editors:

**Prof. Dr. Yiyi Zhang**

**Dr. Sen Guo**

**Dr. Yude Yang**

**Dr. Bo Li**

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submissions:

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### Message from the Guest Editors

Dear Colleagues,

With the growing global focus on renewable energy, high-penetration renewable energy power systems are rapidly gaining traction. However, the monitoring, evaluation, and operation of high-penetration renewable energy power systems face a complex set of technical and management challenges. To address these challenges and achieve reliable operation of high-penetration renewable energy power systems, technological innovation are needed, as well as feasible policies and measures to ensure the sustainable use of renewable energy. This Special Issue aims to present the latest developments related to advances in the monitoring, evaluation, and operation of high-penetration renewable energy power systems. Topics of interest for publication include, but are not limited to:

- High penetration of renewable energy;
- Techniques for the monitoring, evaluation, and operation of power systems;
- Condition monitoring and evaluation technology for transformers;
- The electricity–water–carbon nexus and other green energy fields;

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# Special Issue



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## Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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