

Special Issue

Energy Systems Planning and Operation under High Penetration of Renewable Energy Sources

Message from the Guest Editors

As the energy mix in several countries is becoming more renewable and the active behavior in electricity demand has been introduced rapidly in the last few years through DER, electricity transmission systems are now connecting uncertain and intermittent generation patterns to flexible and autonomous or locally controlled demand movements, and the need for further planning and operation studies is eminently clear. Therefore, this issue of *Energies* will draw on the findings of mathematical models and applied optimization for renewable penetration from across the world and discuss the use of energy planning and operation in the context of energy transition for the mitigation of global warming and climate change. We highly encourage papers on cutting-edge industry practice exemplars that may be leveraged to promote the deployment of renewable energy resources across power systems throughout the world.

Guest Editors

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Deadline for manuscript submissions

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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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