

Special Issue

Advances in Power System Analysis and Control

Message from the Guest Editors

We invite research papers that seek to achieve optimal grid services and solutions, looking at the integral system of generation, transmission, distribution, and consumers. Detailed analyses of transmission and distribution systems with uncertainty both in distributed energy resources and in future demand characteristics are welcome. Novel research to integrate transmission, distribution, generation, and consumers to achieve system-wide benefits in an energy-exchanging society, developing a novel energy-as-a-service model and peer-to-peer energy transactions is highly relevant as part of power system analysis and control. Topics to be covered in this Special Issue include but are not limited to the following:

- Transmission systems modeling and integration in distribution systems
- Coordinated control approaches both at the transmission and distribution system levels
- Novel control approaches, integrating several smart grid components.
- Novel transmission and distribution level grid services from the aggregation of distributed energy resources and flexible loads, including transactive energy.

Guest Editors

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Dr. Oguzhan Ceylan

Deadline for manuscript submissions

closed (5 April 2023)



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About the Journal

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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