

Special Issue

Efficient Operation of Smart Grids for Sustainability, Scalability and Security

Message from the Guest Editors

We would like to invite submissions to a Special Issue of Sustainability entitled “Efficient Operation of Smart Grids for Sustainability, Scalability and Security”. Energy systems are undergoing radical changes as part of their modernization process worldwide. The deep penetration of renewable energy resources at both distribution and transmission level has led academics, utilities and policy makers to rethink how power systems can be planned and operated. Distribution systems can no longer be considered as static demand: instead, transmission systems are increasingly interacting with active distribution networks with controllable distributed energy resources that can modulate their power to match system-wide needs whilst respecting local constraints. This Special Issue focuses on frameworks, procedures and approaches that help in the proactive and cost-efficient management of energy resources in an increasing complex grid. The whole energy system should be considered, leveraging full controllability of smart technologies and possible interactions with other energy vectors.

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Deadline for manuscript submissions

closed (1 July 2021)



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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