

Special Issue

Sustainable Energy Systems: From Grid Efficiency Through AI-Based Solutions to Energy Communities

Message from the Guest Editors

This Special Issue will report high-quality research on artificial intelligence in the fields of smart grid, and, more specifically, on state-of-the-art approaches, methodologies, and systems for the design, development, deployment, and innovative use of these convergence technologies for providing insights towards energy science and engineering. Key topics include but are not limited to the following:

- New theories and applications of artificial intelligence in smart grids;
- Multiobjective optimization in computationally expensive optimization problems;
- Multiobjective optimization in bi-level optimization problems;
- Energy disaggregation techniques in non-intrusive load monitoring;
- Smart grids for smart energy management in smart cities;
- Migration of traditional electric grids to smart grids;
- Modelling and simulation (or co-simulation) in smart grids;
- Demand response in smart grids.

Guest Editors

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Dr. Kwok Tai Chui

Prof. Dr. Anna Visvizi

Deadline for manuscript submissions

closed (30 September 2022)



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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.

Editor-in-Chief

Prof. Dr. Marc A. Rosen

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