

Special Issue

Sustainability of Smart Energy Networks: Pathway for Achieving a Green Smart Energy Network—2nd Edition

Message from the Guest Editors

Papers are invited in areas relevant to smart energy networks, including but not limited to the following topics:

- 4th generation district heating and cooling networks (DHC) fed by renewables or coupled with innovative technologies;
- 5th generation district heating and cooling networks fed by renewables or coupled with innovative technologies;
- Dynamic analysis of control strategies able to significantly reduce the environmental impact of district adopting 4th and 5th generation DHCs;
- Electric vehicles;
- Control strategies or solutions for peak shaving and peak shifting, with the aim of avoiding grid unbalancing and overvoltage;
- Optimal coupling of several renewable energy sources for addressing the issue of peak power production and peak of power demand;
- Power to X technologies.

Guest Editors

Prof. Dr. Francesco Calise
Dr. Maria Vicidomini
Dr. Francesco Liberato Cappiello

Deadline for manuscript submissions

closed (30 April 2026)



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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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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. Steve W. Lyon

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