

Special Issue

Energy Efficiency in Power Lines

Message from the Guest Editors

Increasing the energy efficiency in power lines has become a critical issue to reach the goal of energy sustainability in upcoming decades. The addition of new renewable capacity and distributed generation and storage are challenging the electric grid with new and more complex requirements. Furthermore, the electrification path to achieve a better sustainability in heat, transport and green energy production will make the efficiency of the main carrier, the electricity through the power lines, to become a very important issue in the next years. This Special Issue includes, but is not limited, to the following topics:

- Renewable energy integration;
- Dynamic line rating;
- New sensors, equipment and data acquisition of electric grid parameters;
- Good practices in power lines management;
- Energy backup systems;
- Electric vehicle integration;
- Smart grids;
- Distributed energy production;
- Energy storage systems;
- Equipment digitization;
- Electric grid management;
- Big data analysis;
- State of the art reviews of these topics are also welcomed

Guest editors

Guest Editors

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Deadline for manuscript submissions

closed (31 May 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. 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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