

Special Issue

Design, Integration and Optimization of Energy Systems: Energy Efficiency, Economics and Sustainability

Message from the Guest Editors

Due to the urgent need to reduce greenhouse gas emissions, efficient and sustainable energy systems are attracting increasing attention. However, sustainable solutions are usually costly, and therefore techno-economic optimization is a critical step for energy systems design. The trade-offs between technology, economics and sustainability have to be considered in a systematic way. The main aim of this Special Issue is to highlight the importance of the optimization and process integration of energy systems and address the trade-off between energy efficiency, economics, and sustainability. In this Special Issue, original research articles and reviews are welcome. The scope includes (but is not limited to) the following topics, where the energy efficiency, economics and sustainability dimensions are explicitly considered:

- Energy system design
- Energy system integration
- Green energy production and transition
- Energy saving technologies
- Carbon capture, utilization and storage
- TEA of energy systems
- Novel energy production technologies
- Renewable and sustainable energy systems

Guest Editors

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Deadline for manuscript submissions

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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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