



## A Holistic Overview of the Energy Sector: From Engineering Approaches to Innovative ML Solutions

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### Message from the Guest Editors

Dear colleagues,

This Special Issue would serve as a stimulating virtual room where the latest innovations can be presented, spanning from engineering-based approaches, hence also including, e.g., fault detection, electricity production forecast, predictive maintenance with regard to energy implant functioning, solar cells efficiency, etc., to mathematical methods, such as SPDE analysis of risky assets linked to energy sources and stochastic mean field game approaches to time dynamics of interacting energy sources, also considering NN methods for data analysis and provisions about energy production/consumption, particularly from the point of view of renewable resources.

keywords:

- Energy sector
- Finance
- Stochastic methods
- Machine learning
- Forecasting

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## Message from the Editor-in-Chief

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