Special Issue

Artificial Intelligence (AI) for Smart Energy and Mobility

Message from the Guest Editors

Artificial intelligence (AI), as an enabling technology, is a promising method and tool to facilitate the development of smart energy and mobility solutions, the digital transformation of both energy and transport sectors and ultimately, the achievement of net-zero targets. Therefore, this Special Issue is devoted to the latest developments in AI (e.g., machine learning, digital twin, optimisation and simulation) for Smart Energy and Mobility. Prospective authors are invited to submit original contributions that include but are not limited to the following topics of interest:

- Innovative AI (e.g., machine learning, digital twin, optimisation and simulation) applications in energy and/ or transport sectors;
- Performance and decision analysis in energy and/or transport sectors;
- The impact of EVs on system operations of energy and/or transport sectors;
- EVs as demand response provider in smart grids;
- Game-theoretic modelling of EVs and renewable integration for energy and/or transport sectors.

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Guest Editors

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Deadline for manuscript submissions

closed (20 December 2024)

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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