Special Issue

Energy-Efficient AI-Empowered Communication Networks

Message from the Guest Editors

The goal of this Special Issue is to disseminate knowledge regarding recent AI technologies, jointly considering performance and energy efficiency. Review and survey papers on these topics are also welcome. Potential topics include, but are not limited to, the following:

- Architecture and infrastructure for energy-efficient artificial intelligence in communication networks;
- Energy-efficient AI-based network access control system in communication networks;
- Energy-efficient AI-based rate control system in communication networks;
- Energy-efficient AI-based caching system in communication networks;
- Energy-efficient AI-based offloading system in communication networks;
- Energy-efficient AI-based security system in communication networks;
- Energy-efficient AI-based resource management system in communication networks;
- Testbed/prototype for energy-efficient AI for communication networks;
- Network theory for energy-efficient AI in communication

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Deadline for manuscript submissions

closed (30 August 2021)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
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mdpi.com/si/48971

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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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