Special Issue

Energy Management Systems Based on Industrial Artificial Intelligence

Message from the Guest Editors

Artificial intelligence (AI) has dramatically altered the dynamic landscape of science and industry in the past several years. Industrial AI (IAI), defined as " a systematic discipline, which focuses on developing, validating, and deploying various machine learning algorithms for industrial applications with sustainable performance," can power the sustainable performance of energy management systems (EMSs) and the critical aspect of optimizing energy distribution. IAI can actualize smart and resilient industrial EMSs that are fault-tolerant, self-organizing, and can predict potential breakdowns in critical energy infrastructure. IAI focuses on developing EMSs for the management of renewable energy in smart grids and the challenge of managing the additional load on grids due to electric vehicles (EVs). **Topics of interest for publication include, but are not limited to** IAI in demand-side management; IAI in building energy management system; IAI and IoT energy management systems; Forecast energy demand by AI; Identify inefficiencies in EMS by AI; Energy optimization by AI; IAI in renewable energy systems, etc. **For more information, please scan the QR code.**

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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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