

Special Issue

AI Facilitated Cyber–Physical Energy Systems–Planning, Operation, and Markets

Message from the Guest Editors

We are pleased to invite contributions to this Special Issue on the topic of “AI Facilitated Cyber–Physical Energy Systems–Planning, Operation, and Markets”. Prospective authors’ work may focus on a single or multiple topics included in this Special Issue. Modern power systems are rapidly evolving in a manner that is characterized by the convergence of physical infrastructure with advanced communication and computational layers. This transformation has ushered in an era where artificial intelligence (AI) plays a pivotal role in enhancing the resilience, efficiency, and sustainability of power systems. In today’s interconnected world, the integration of AI within cyber–physical energy systems has become indispensable. From optimizing grid operations to revolutionizing energy markets, AI technologies are driving unprecedented innovation. These advancements are not without challenges, particularly concerning security, privacy, and the seamless integration of legacy systems.

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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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