Special Issue

Intelligent Phase Change Control and Thermal Management for Energy Applications

Message from the Guest Editors

The Intelligent Phase Change Control and Thermal Management of energy applications has become popular, particularly in fields such as electronics cooling, renewable energy systems, and energy storage. These technologies play a significant role in optimizing the efficiency, reliability, and lifespan of various energy devices. This Special Issue aims to present and disseminate the most recently advanced theories, mechanisms, designs, models, applications and control of Al thermal management technologies. Topics of interest for publication include, but are not limited to:

- Cooling Systems;
- Refrigeration and Air Conditioning;
- Dynamic Cooling;
- Phase Change Control;
- Thermal Management:
- Optimized Energy Conversion;
- Predictive Maintenance;
- Intelligence and Automation;
- Renewable Energy;
- Al Application for Electric Vehicles;
- Thermal Management in Data Centers;
- Energy Saving in Buildings and HVAC Systems;
- Heat and Mass Transfer Enhancement:
- CFD Simulation and Prediction:
- Artificial Intelligence Application.

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About the Journal

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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