Special Issue

Advances of Computing, Sensing and Diagnosis in High Voltage and Energy Storage Systems

Message from the Guest Editors

This Special Issue aims to present and disseminate the most recent advances related to the theory, design, modeling, manufacture, and application of computing, sensing, and diagnostic technologies in high-voltage and energy storage systems. We welcome researchers to contribute Original Research, Brief Research Reports, and Review papers for this Research Topic. Potential topics include, but are not limited to:

- Modeling, simulation, and computing of high voltage and energy storage system characteristics;
- Smart sensors (optic, MEMS, quantum, etc.) design, test, and applications;
- Novel monitoring methods and diagnosis techniques;
- Data fusion and joint diagnosis of multiple sensors or sensing parameters;
- Applications of artificial intelligence in analysis and condition assessment of high voltage and energy storage systems;
- Micro- and macro-process monitoring of energy storage system operation and fault development.

Guest Editors

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Deadline for manuscript submissions

closed (5 June 2026)

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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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