

Special Issue

Cyber Security in Microgrids and Smart Grids

Message from the Guest Editors

This Special Issue is dedicated to presenting new concepts, methods, strategies, technologies, and implementation experiences in grid cybersecurity. The aim of this Issue is to establish clear procedures for cyberattack detection, mitigation, and correction, as well as cybersecurity in power systems planning, operation, and control. The topics include but are not limited to:

- Cyberattack detection and prevention techniques for microgrids or smart grids;
- Mitigation and correction strategies for cyberattacks in microgrids or smart grids;
- Cybersecurity considerations in microgrids or smart grids planning, operation, and control;
- Application of blockchain and distributed ledger technologies for cybersecurity;
- Secure communication protocols and authentication mechanisms for microgrids or smart grids;
- Data analytics and information sharing for improved situational awareness in microgrids or smart grids;
- Case studies and real-world implementation experiences of cyber-secure microgrids or smart grids;
- Evaluation and testing methodologies for validating the effectiveness of cybersecurity solutions in microgrids or smart grids.

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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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