

Special Issue

Cybersecurity for Smart Power Systems and Transmission Networks

Message from the Guest Editor

In an era where the integration of advanced technologies into power systems is transforming the energy landscape, cybersecurity has become a critical concern. Smart power systems and transmission networks are increasingly reliant on digital technologies, such as sensors, communication networks, and data analytics, to enhance operational efficiency, reliability, and flexibility. While these innovations offer numerous benefits, they also introduce new vulnerabilities and threats that can compromise the integrity, availability, and confidentiality of critical infrastructure. Topics of interest include, but are not limited to, the following:

- Cybersecurity Threats and Vulnerabilities in Smart Power Systems;
- Risk Assessment and Management for Transmission Networks;
- Intrusion Detection and Prevention Systems;
- Secure Communication Protocols and Architectures;
- Data Integrity and Protection;
- Incident Response and Recovery Strategies;
- Regulatory and Compliance Issues;
- Integration of Machine Learning and AI in Cybersecurity

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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