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Cybersecurity in Smartgrids

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Message from the Guest Editors

Power system automation is developing at a mind-blowing speed. The ability communicate with more devices in the grid gives unprecedented opportunities for optimization and control. However, this connectivity comes with an unwanted side-effect—vulnerabilities in smart grid cyber security. To address this emerging field, this Special Issue solicits papers on secure and resilient communication and control architectures, secure smart metering, cryptography, key and certificate management, authorization and access control, security threat and vulnerability assessment and measurement, cyber-physical security information and event management, trust and privacy, security design and verification tools, and the simulation and performance analysis of security operations and services.

In addition to technical papers with innovative ideas, survey papers and papers that investigate the real-time performance of cyber-security mechanisms in power systems are of interest.

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Message from the Editor-in-Chief

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