

Special Issue

Anomaly Detection and Prevention in the Smart Grid

Message from the Guest Editors

The rapid advancement of smart grid technologies has revolutionized the way we generate, distribute, and consume electrical energy. As the smart grid continues to evolve, ensuring its security and stability has become of paramount importance. To address this critical aspect, we invite researchers and experts to contribute to this Special Issue, entitled “Anomaly Detection and Prevention in the Smart Grid” for MDPI Electronics. This Special Issue aims to bring together the latest research and developments in the field of anomaly detection and prevention in the context of smart grids. We welcome original contributions that explore novel methodologies, techniques, and solutions to safeguard the integrity and resilience of smart grid systems. This Special Issue provides a platform to exchange ideas, share insights, and foster collaborations among researchers, practitioners, and policymakers in the field of smart grids and cybersecurity. We look forward to receiving your contributions to help fortify the smart grid infrastructure against emerging anomalies and threats.

Guest Editors

Dr. Giovanni Gaggero

Dr. Fabio Patrone

Dr. Imed Ben Dhaou

Deadline for manuscript submissions

closed (15 April 2025)



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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.

Editor-in-Chief

Prof. Dr. Flavio Canavero

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