

Special Issue

Research in Secure IoT-Edge-Cloud Computing Continuum

Message from the Guest Editors

The development of the Internet of Things (IoT) and its associated technologies in recent decades has enhanced data collection, exchange, communication, and control regarding people, processes, and things. In tandem, edge computing and IoT converge have been employed to address the limitations of cloud computing in handling the deluge of real-time data. This Special Issue will be focusing upon, but not limited to the following topics:

- AI-based solutions for the detection of DDoS attacks in IoT, Edge and/or Cloud;
- Distributed and centralized measures for enabling privacy-aware computing;
- Federated/Distributed Learning-based approaches for security;
- Zero-trust architectures for the dynamic integration and management of IoT devices;
- Collective threat intelligence and sharing;
- Collaborative defense mechanisms;
- (Self-sovereign) identity management solutions for IoT and Edge devices;
- Secure and efficient data sharing solutions for the computing continuum;
- Scalable (quantum-safe) key management solutions.

Guest Editors

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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 guestedited by leading experts in selected topics of interest.

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