Special Issue

Emerging Developments in Cybersecurity: Addressing Systemic Weaknesses in a Connected World

Message from the Guest Editors

The purpose of this Special Issue is to seek contributions that not only investigate new hardware, microarchitectural, or software attacks but also automate exploit discovery against these computing systems. Topics of interest include, but are not limited to, the following areas:

- Side-channel and fault attack, and resilience/countermeasures;
- Intrusion and anomaly detection;
- CPS security;
- Smart grid security;
- Cloud security;
- Hardware security and privacy;
- Formal method-based security verification, program analysis, and fuzzing;
- Security tool development;
- Security-oriented hardware design, or hardware and software co-design;
- IoT devices and protocol security;
- Machine learning and artificial intelligence for vulnerability discovery;
- Empowering security with large language models;
- Security and resilience in autonomous vehicle systems.

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Deadline for manuscript submissions

closed (15 December 2024)

Electronics

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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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