

Special Issue

Security and Trust in Next Generation Cyber-Physical Systems

Message from the Guest Editors

This Special Issue is devoted to collecting novel and original approaches that ensure the security of current and emerging cyber-physical systems by taking into consideration the unique challenges present in this environment. This Special Issue also aims to foster a research community that is strongly committed to technology transfer. Industrial experiences, showing the application of cutting-edge techniques to real-world case studies, are also welcome. Topics include but are not limited to the following:

- Formal methods for security and trust;
- Security-by-design approaches;
- Vulnerability evaluation of CPSs;
- Reasoning and machine learning for fraud detection;
- Distributed ledger technology for reputation and trust management in CPSs;
- Cyber resilience foundations and emerging approaches in CPSs;
- Gamification in cyber security;
- Post-quantum security;
- Deep and reinforcement learning for adversarial approaches;
- Artificial intelligence, blockchain and federated learning technologies for data and model security.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2021)



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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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).