

## 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.

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### Guest Editors

Dr. Emanuele Bellini

Dr. Fiammetta Marulli

Dr. Stefano Marrone

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### Deadline for manuscript submissions

closed (31 December 2021)



## Electronics

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*Electronics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[electronics@mdpi.com](mailto:electronics@mdpi.com)

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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.

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### Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di  
Torino, 10129 Torino, Italy

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