# **Special Issue**

## Machine Learning for Enhancing Network Security

#### Message from the Guest Editors

With the rapid development of machine learning and successful applications in various areas of information systems, future communication systems are expected to be machine learning native. Recently, various machine leaning models have been used to develop intelligent protection mechanisms to improve the security of networks. This Special Issue aims to provide a platform for researchers and engineers to exchange the latest works and insights on the challenges and potential solutions to machine learning-empowered B5G and 6G security. Topics of interest include (but are not limited to) the following:

- Machine learning-enabled website fingerprinting;
- Machine learning-enabled intrusion detection on wireless networks;
- Machine learning-enabled encrypted malicious traffic identification;
- Machine learning-enabled attack detection and protection for SDN networks;
- Machine leaning-enabled resource orchestration for the security of SDN/NFV based networks;
- Machine leaning-enabled physical layer authentication for B5G/6G;
- Machine leaning-enabled physical layer key generations;
- Machine leaning-enabled secure beamforming.

We look forward to receiving your contributions.

### **Guest Editors**

Dr. Shunliang Zhang

Dr. Jiansong Miao

Dr. Zhaoming Lu

#### Deadline for manuscript submissions

15 August 2025



## Electronics

an Open Access Journal by MDPI

Impact Factor 2.6 CiteScore 6.1



mdpi.com/si/227127

Electronics Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 electronics@mdpi.com

mdpi.com/journal/ electronics





an Open Access Journal by MDPI

Impact Factor 2.6 CiteScore 6.1



electronics



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

### **Author Benefits**

### **High Visibility:**

indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Ei Compendex and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) / CiteScore - Q1 (Electrical and Electronic Engineering)

#### **Rapid Publication:**

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).