

## Special Issue

# Advanced Signal Processing for Position, Navigation and Timing of Autonomous and Cyber-Physical Systems

### Message from the Guest Editors

In this Special Issue, we welcome review and research papers that present novel and advanced methods for PNT-related Signal Processing, including, but not limited to, the enhancement of the PNT sensor information, such as inertial measurement unit and visual odometry error prediction, and the correction and processing of Signals of Opportunity (SOOP); the detection and mitigation of interferences in GNSS-based solutions (e.g. multipath, jamming and spoofing); sensor and information fusion; integrity monitoring and uncertainty prediction; the quantification of PNT information, and time dissemination and synchronization for autonomous and cyber-physical systems.

### Guest Editors

Dr. Ivan Petrunin

School of Aerospace, Transport and Manufacturing, Cranfield University, Cranfield MK43 0AL, UK

Prof. Dr. Gokhan Inalhan

The Sloane Institute, London W1W 5PF, UK

Dr. Zhengjia Xu

School of Aerospace, Transport and Manufacturing, Cranfield University, Cranfield MK43 0AL, UK

### Deadline for manuscript submissions

closed (31 August 2024)



## Electronics

an Open Access Journal  
by MDPI

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/si/167010](https://mdpi.com/si/167010)

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

[mdpi.com/journal/  
electronics](https://mdpi.com/journal/electronics)





# Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/journal/  
electronics](https://mdpi.com/journal/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), CAPus /  
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).