

## Special Issue

# Next-Generation Engineering: IoT, Digital Twin, and AI-Driven Tolerance Optimization

### Message from the Guest Editors

Dear Colleagues: The rapid advancement of digital technologies has ushered in a new era of intelligent and interconnected systems. The convergence of the Internet of Things (IoT), digital twin (DT), and artificial intelligence (AI) is reshaping various domains, including manufacturing, healthcare, smart cities, and precision engineering. This Special Issue aims to bring together researchers and industry experts to explore innovative methodologies, frameworks, and applications at the intersection of IoT, digital twin, AI, and tolerance design. The focus aligns with the journal's scope by emphasizing cutting-edge advancements in smart systems, cyber-physical integration, and intelligent decision-making. Topics of interest include, but are not limited to, the following:

- IoT and Digital Twin for Smart Manufacturing;
- Cyber-Physical Systems and Tolerance Design;
- Complex Network Science for IoT and Digital Twin Design and Development;
- Standards and Frameworks;
- Case Studies and Industrial Applications;
- Security and Resilience in IoT-Enabled Systems.

I look forward to receiving your contributions.

---

### Guest Editors

Dr. Federico Fausto Santoro

Department of Mathematics and Computer Science (DMI), University of Catania, 2, 95124 Catania, CT, Italy

Dr. Francesco Cauteruccio

Department of Information Engineering, Electrical Engineering and Applied Mathematics, University of Salerno, 84084 Fisciano, Italy

---

### Deadline for manuscript submissions

15 June 2026



## Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/si/232057](https://mdpi.com/si/232057)

*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 guestedited 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 16.4 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).