

## Special Issue

# AI Driven Digital Twinning: A Trend Challenging the Future

### Message from the Guest Editors

Recent findings on digital twinning future trends position Artificial Intelligence concepts, methods and tools as core drivers of digital twins' behavior, moving the digital twinning paradigm towards challenging heights of almost unlimited autonomy. Artificial Intelligence-driven digital twins upgrade a symbiotic relationship between physical and virtual spaces, transforming digital twins frameworks from simple simulation tools into active decision-makers. However, the more proactive role demands the refinement of contemporary concepts, methods and tools, as well as the introduction of novel ones. At the same time, the trustworthiness question becomes increasingly sensitive, driving the further development of explainable and generative Artificial Intelligence within the broader context of complex sociotechnical systems. Addressing these paradigmatic shifts and the related scientific and engineering challenges fully motivates this Special Issue. Consequently, we encourage and equally welcome submissions that address either domain-independent or domain-dependent aspects of Artificial Intelligence-driven digital twinning.

---

### Guest Editors

Prof. Dr. Branko Rade Perišić

Center Novi Sad, University Singidunum Belgrade, 21000 Novi Sad, Serbia

Dr. Ana Perišić

Faculty of Technical Sciences, University of Novi Sad, 21000 Novi Sad, Serbia

---

### Deadline for manuscript submissions

20 October 2026



## Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/si/274554](https://mdpi.com/si/274554)

*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).