

## Special Issue

# Pushing Boundaries: Innovations in Robotics, Artificial Intelligence, and Extended Reality

### Message from the Guest Editors

The aim of this Special Issue is to provide a comprehensive overview of this expansive field of research, appealing to a diverse audience in robotics, artificial intelligence, control systems, extended reality, data analytics, and societal, industrial, and educational domains. Hence, we welcome submissions exploring various topics, including but not limited to the following:

- Artificial Intelligence;
- Robotic Systems in Stochastic Production Environments;
- Human–Robot Interaction;
- Real-time (or near) Execution of Digital Twins;
- Collaborative Robotic Systems Implementation;
- Integration of Simulation with Virtual, Mixed, and Augmented Reality Applications;
- Real-time Virtual, Mixed, and Augmented Reality in Industrial Manufacturing;
- Artificial Intelligence for Decision Support in Production and Logistics;
- Verification and Validation of Digital Twins;
- Robot Feedback Control;
- Metaverses

Welcome your contributions.

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### Guest Editors

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### Deadline for manuscript submissions

15 May 2025



## Electronics

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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 guest-edited by leading experts in selected topics of interest.

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### Editor-in-Chief

Prof. Dr. Flavio Canavero

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#### Rapid Publication:

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