

## Special Issue

# Recent Advances in Autonomous Localization and Navigation System

### Message from the Guest Editor

This Special Issue aims to highlight the latest research and development in autonomous localization and navigation system, emphasizing innovative electronic solutions and practical applications. The topic aligns with the scope of *Electronics* by addressing cutting-edge technologies and their implementation in intelligent systems. We welcome contributions that present original research or comprehensive reviews aimed at advancing knowledge and practical implementation in the field. Research areas may include (but not limited to) the following:

- Sensor fusion and integration for localization and navigation;
- Simultaneous localization and mapping (SLAM) techniques;
- AI and machine learning for navigation systems;
- Localization in GPS-denied or challenging environments;
- Path planning, obstacle avoidance, and trajectory optimization;
- Real-time processing and embedded systems for navigation;
- Applications in autonomous vehicles, drones, and robotics.

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### Guest Editor

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### Deadline for manuscript submissions

15 September 2026



## 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 guestedited by leading experts in selected topics of interest.

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### Editor-in-Chief

Prof. Dr. Flavio Canavero

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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).