

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.

Guest Editor

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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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