

Special Issue

Control and Navigation of Robotics and Unmanned Aerial Vehicles

Message from the Guest Editor

This Special Issue highlights cutting-edge developments, novel methodologies, and practical implementations in the control and navigation of robotics and UAVs. We welcome high-quality contributions that propose innovative solutions to address challenges such as real-time decision-making, path planning, obstacle avoidance, sensor integration, and collaborative autonomous systems. Topics of interest include, but are not limited to, the following:

- Advanced control algorithms for robotic manipulators and UAVs;
- AI and machine learning techniques for navigation and control;
- Path planning and optimization in dynamic environments;
- Sensor fusion and perception systems for enhanced autonomy;
- Collaborative navigation in multi-robot and swarm systems;
- Applications for autonomous vehicles, drones, and industrial robots;
- Robustness, safety, and resilience in autonomous systems;
- Simulation frameworks for control and navigation testing;
- Virtual reality environments for robotics and UAV development;
- Emerging trends in hybrid and bio-inspired control systems.

We look forward to receiving your contributions.

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

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