

Special Issue

AI-Driven Intelligent and Secure Navigation in Next-Gen Autonomous Systems

Message from the Guest Editors

This Special Issue focuses on intelligent and secure navigation in autonomous systems, particularly unmanned aerial vehicles (UAVs) and ground vehicles. We aim to explore advanced methods that improve autonomy, communication, and decision-making in dynamic and uncertain environments. We welcome various contributions covering decentralized and centralized control, secure communication, cooperative multi-agent systems, path planning, and decision-making strategies. Both AI-based and model-driven approaches are encouraged, as well as hybrid methods that demonstrate practical value and real-world applicability. This Special Issue will present recent progress in autonomous navigation while emphasizing the integration of navigation, control, and secure communication. It will bring together research that addresses these areas not in isolation but as interconnected challenges shaping the future of autonomous systems. We invite researchers and practitioners to share their latest findings on this timely and evolving topic.

Guest Editors

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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.

Editor-in-Chief

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