

Special Issue

Autonomous Navigation Systems: Design, Control and Applications

Message from the Guest Editors

In a few years, advances in autonomous navigation systems (ANS) will allow all kinds of robots to roam everywhere, interacting among them and/or with humans. Producing truly reliable ANS systems goes beyond overcoming a series of technological challenges, ranging from the production of better sensors and actuators to the development of algorithms and interaction protocols that allow robots to make successful navigation decisions. This Special Issue focuses on the analysis, design, implementation, and emerging applications of autonomous navigation systems. The topics of interest include but are not limited to:

- Autonomous mobile robots
- Simultaneous localization and mapping (SLAM)
- Path planning and following
- Collision-free multiagent/robot cooperative navigation
- Swarm navigation
- Human detection and interaction
- Autonomous aerial/underwater vehicles.

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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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