

Special Issue

Recent Advances in Unmanned System Navigation and Control

Message from the Guest Editors

The Special Issue addresses innovative forms of technology, such as environmental perception and understanding, real-time accurate autonomous positioning and intelligent navigation in complex scenarios. In the development and trends of autonomous navigation, visual navigation, laser navigation, geophysical field navigation, SLAM, target tracking algorithm and multi-sensor fusion algorithm, these forms of technology have been used to conduct the related key discussions on technology. This Special Issue contributes to the research concerning the autonomous navigation and control of unmanned systems, includes topics on, but not limited to, the following areas:

- Environmental perception;
- Simultaneous localization and mapping;
- Visual-based, Laser-based navigation;
- Geophysical field-based navigation;
- Cooperative navigation;
- Navigation feature modeling, map construction;
- Target tracking;
- Tracking of dynamic targets;
- Three-dimensional mapping;
- Multi-sensor fusion.

Guest Editors

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Deadline for manuscript submissions

closed (30 October 2023)



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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.

Editor-in-Chief

Prof. Dr. Flavio Canavero

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