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Recent Advances in Unmanned System Navigation and Control

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Message from the Guest Editors

Dear Colleagues,

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.



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Special Issue



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Message from the Editor-in-Chief

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