

Special Issue

Unmanned Surface Vehicle

Message from the Guest Editor

At present, unmanned surface vessels (USVs) have been developed and widely applied as a tool for human use. USVs can replace human's personal operation and effectively complete a series of tasks on the water surface, such as marine environment monitoring, marine patrol and exploration, and so on. The marine environment is very complex. In order to ensure that USVs can navigate as required to complete relevant tasks, a variety of technologies, such as path planning technology, trajectory tracking control technology, and navigation and positioning technology, need to be applied to enhance their autonomous ability and level. In this context, we invite papers focusing on the current progress in the field of USV to this Special Issue. Papers in all fields directly related to these topics include, but are not limited to:

- Mathematical modelling and analysis of USV systems;
- Motion control technology of USV;
- Path planning and control technology of USV;
- Trajectory tracking control technology of USV;
- Navigation and positioning technology of USV;
- Formation control technology of multi-USV;
- Control strategy of heterogeneous USV formation.

Guest Editor

Prof. Dr. Yanchao Sun

Science and Technology on Underwater Vehicle Laboratory, Harbin Engineering University, Harbin 15001, China

Deadline for manuscript submissions

closed (28 February 2023)



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Drones
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
drones@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Drones is an international open access journal focusing on advancing research in drone science, policy, technology, and applications. Today, drones have become indispensable for policymakers, regulatory authorities, mapping agencies, start-ups, and established firms. Their expanding societal and economic relevance is reflected in the rapid development of new sensors, upgraded platforms, specialized software, and novel applications. The journal provides a central forum for scholars in drone research and applications to exchange findings and innovations. With growing demand for high-quality research, our Editorial Board comprises international leaders and experts across relevant scientific areas. We offer rigorous peer review and rapid publication of papers from across all areas of drone science. We welcome you to submit your next paper to *Drones* and to contribute to the continued advancement of and innovations in the field of drones.

Editor-in-Chief

Prof. Dr. Diego González-Aguilera

Cartographic and Land Engineering Department, Higher Polytechnic School of Avila, University of Salamanca, Hornos Caleros, 50 05003 Avila, Spain

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