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

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Deadline for manuscript submissions

closed (28 February 2023)



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About the Journal

Message from the Editor-in-Chief

Drones is the only international open-access journal about the science, policy and technology of drones and its applications. Nowadays, the proliferation of drones is a reality for local policy makers, regulatory bodies, mapping authorities, startups and consolidated companies. There are many uses and benefits of drones: from the emergence of new sensors and the evolution of new platforms; to the development of specific software and the emergence of new applications. *Drones* publishes reviews, regular research papers, communications and short notes, without restriction on the length of papers. *Drones* seeks to provide a central forum for scholars engaged in drones' research and applications.

There is a need for high quality papers in this area and the *Drones* Editorial Board are widely recognized international leaders. *Drones* journal guarantees a serious peer review and a rapid publication across the whole discipline of drones.

Editor-in-Chief

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