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Large Scale Cooperative UAS: Control Theory and Applications

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Deadline for manuscript submissions:
closed (25 December 2023)

Message from the Guest Editors

Dear Colleagues,

This Special Issue aims at collecting new theory, developments, methodologies, and applications of large-scale multiple autonomous ground, marine, and aerial systems.

We welcome submissions that provide the community with the most recent advancements on all aspects of large-scale cooperative systems. These include, but are not limited to, multi-agent coordination, cooperative control, flocking, swarming and counter-swarming, consensus, formation, multi-agent motion planning and collision avoidance, cooperative learning, and graph-related theory. Also relevant are the applications of the theory developed in the areas of multi-vehicle systems for spacecraft, aerial vehicles, ground robots, and maritime vehicles. Such applications include multi-agent target localization, object recognition, search and rescue, communications, defense, and transportation, to mention but a few.

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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.

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