Special Issue

Advances in Intelligent Coordination Control for Autonomous UUVs

Message from the Guest Editors

In recent years, intelligent coordination control for autonomous underwater unmanned vehicles (AUUVs) has garnered increasing attention due to their vast potential across various fields, including environmental surveillance, disaster monitoring, underwater exploration, logistics, and pipeline maintenance. This Special Issue aims to explore advanced coordination control strategies and intelligent decision-making mechanisms for AUUVs. The focus will be on leveraging machine learning, game theory, and optimization techniques to enable highly efficient and adaptive multi-agent coordination in dynamic underwater environments. Additionally, the issue will examine the interplay between model-based and data-driven approaches to enhance decision-making processes, facilitating real-time adaptability and system optimization. Lastly, the development of innovative control algorithms will be emphasized, ensuring improved operational safety, coordination precision, and intelligence in various applications, including environmental monitoring, logistics, and autonomous underwater exploration.

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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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