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Operations and Maintenance (O&M) of Offshore Renewable Energy (ORE) Devices Using Marine Vehicles and Drones

Guest Editors:

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Dr. Sulakshan Rajendran

Message from the Guest Editors

This Special Issue aims at collecting high-quality articles including reviews contributing to the advanced techniques using marine vehicles and drones to conduct remote monitoring, environmental monitoring, upkeep, and repair of the offshore physical systems. We welcome submissions from broad topics of interest that include but are not limited to:

Deadline for manuscript submissions:

1 October 2024

Artificial intelligence methods for marine vehicles and drones' control in the marine environment; Robotics and autonomous systems techniques for optimal navigation; Distributed and decentralised control; Hybrid marine vessels and intelligent control; Electric marine propulsion; Edge intelligence for remote monitoring and management; Marine hybrid/swarm systems for data collection and observation; Digital twins and multiscale modeling; Stochastic systems; System identification and modeling; Predictive maintenance and control; Fault detection and diagnosis; Health monitoring; Estimation and filtering; Multiobjective methods and optimisation; Big data systems; Human-machine systems; Other emerging applications of AI, Edge computing, and IoT; Embedded systems.



mdpi.com/si/89084

Special Issue



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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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