

Special Issue

Cooperation of Drones and Other Manned/Unmanned Systems

Message from the Guest Editors

Drones, are becoming increasingly involved in various civilian and military applications. More specifically, there are many situations where the teaming of drones with other manned and unmanned systems (e.g., manned aircrafts, ground vehicles, surface vehicles) can promise significant economical, logistical, tactical, and other advantages. Examples include express and last-mile delivery tasks, search-and-rescue missions, scientific research, and combat operations, to name just a few. Nevertheless, the cooperation of drones and other manned/unmanned systems pose additional challenges, including task allocation and scheduling, route planning, communication and information sharing between different systems, interaction with environments, etc. A variety of technologies and solution approaches, such as bio-inspired computation, evolutionary computation, deep learning, and reinforcement learning, were employed to address these challenges. This Special Issue aims to initiate a dialog on all aspects of hybrid drone and other manned/unmanned systems. In particular, we welcome studies bridging the gaps between research and practice, as well as studies across multiple disciplines.

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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.

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