

## Special Issue

# Advances in Cooperative Perception Application for Unmanned System in Modern Transportation

### Message from the Guest Editors

This Special Issue aims to explore the modeling theories and methods for UAV and self-driving vehicles (SDVs) in intelligent transportation systems. The efficiency of traffic management can be greatly improved by leveraging the high-altitude monitoring and rapid response capabilities of drones, combined with the big data analysis and real-time monitoring technology of intelligent transportation systems. Simultaneously, it can also be applied to the field of public safety and logistics distribution, improving the overall benefit to society and human quality of life. Collaborative perception processes and integrates data collected by multiple collaborative sensors to produce more accurate and complete perceptual results. It solves the two main problems of remote occlusion and sparse data in single perception. It usually involves algorithms and technologies such as data processing, distributed computing, and artificial intelligence. These greatly improve the ability of the drones to integrate information with the existing sensors in the intelligent transportation system.

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### Guest Editors

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### Deadline for manuscript submissions

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## Drones

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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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### Editor-in-Chief

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