Special Issue

Visual Language Models and Large Language Models for Unmanned Aerial Vehicles

Message from the Guest Editors

The rapid advancements in artificial intelligence, particularly in the domains of computer vision and natural language processing, have created new possibilities for enhancing the capabilities of UAVs. This Special Issue aims to explore the integration of Visual Language Models (VLMs) and Large Language Models (LLMs) into UAVs, focusing on their potential applications, challenges, and future directions.   The Special Issue encourages submissions from researchers, engineers, and practitioners working at the intersection of computer vision, natural language processing, and UAV technologies. We hope to foster cross-disciplinary collaborations and accelerate the development of intelligent and autonomous UAV systems powered by Visual Language Models and Large Language Models to enhance the capabilities of drones in object detection, image captioning, and human–machine interaction etc.

Guest Editors

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About the Journal

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.

Editor-in-Chief

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