Special Issue

Unmanned Aerial Vehicle Swarm-Enabled Edge Computing

Message from the Guest Editors

Unmanned aerial vehicle (UAV) enabled mobile edge computing (MEC) has emerged as a promising technique for wireless devices to realize low latency and high reliability communication and computation services in a more flexible and cost-effective manner. However, the small-scale UAVs enabled edge computing networks are incompetence in handling more complex missions. As a result, UAV swarm-enabled edge computing has attracted great attention from academia and industry in recent years. It is envisioned that UAV swarm-enabled edge computing can provide strong support for us to embrace the forthcoming era of "Internet of Drones (IoD)" and gain wide popularity in supporting future human activities. The aim of this special issue is to provide a new comprehensive overview on UAV swarm and create more ideas on UAV swarm-enabled edge computing, which will bring together researchers from academia, industry and governmental agencies to promote the research and development needed to address the major challenges that pertain to this cutting-edge research topic.

Guest Editors

Dr. Wei Wu

Prof. Dr. Fuhui Zhou

Prof. Dr. Qihui Wu

Prof. Dr. Lisheng Fan

Prof. Dr. Kai Kit Wong

Prof. Dr. Rose Hu

Deadline for manuscript submissions

closed (31 March 2025)

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

Prof. Dr. Diego González-Aguilera
Cartographic and Land Engineering Department, Higher Polytechnic School of Avila, University of Salamanca, Hornos Caleros, 50 05003 Avila, Spain

Author Benefits

Open Access:
free for readers, with article processing charges (APC) paid by authors or their institutions.

High visibility:
indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex and other databases.

Journal Rank:
JCR - Q1 (Remote Sensing) / CiteScore - Q1 (Aerospace Engineering)