

Special Issue

Unmanned Aerial Vehicles for Enhanced Emergency Response

Message from the Guest Editors

Unmanned-aerial-vehicle-based (UAV-based) emergency communication systems can overcome terrain limitations and offer flexible communication capability based on UAVs' mobility and multi-dimensional functions, including communication, sensing and computing. This Special Issue invites manuscripts including but not limited to the following themes:

- Real-time sensor data gathering for situation awareness;
- Advanced autonomous navigation algorithms for UAVs under dynamic environments;
- Efficient communication systems for coordination among UAVs;
- Edge computing strategy for on-the-fly data processing for UAVs;
- Coordination of UAVs with satellite and terrestrial networks;
- Secure information exchange in sensitive contexts for UAV-aided communication.

We welcome contributions ranging from original research articles to comprehensive reviews that explore the multifaceted applications of drones in emergency contexts.

Guest Editors

Dr. Neng Ye

Dr. Wonjae Shin

Dr. Jianguo Li

Prof. Dr. Xiangming Li

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Drones
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
drones@mdpi.com

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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

Prof. Dr. Diego González-Aguilera

Cartographic and Land Engineering Department, Higher Polytechnic School of Avila, University of Salamanca, Hornos Caleros, 50 05003 Avila, Spain

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