

Special Issue

Drone-Based Information Fusion to Improve Autonomous Navigation

Message from the Guest Editors

UAV deployment in smart cities is promising for the provision of efficient delivery services, dynamically deployable mobile base stations for broadband hotspot connectivity, infrastructure inspection, and first-responder services, including in earthquakes, gas leakage, and explosions. However, the future prospects and ubiquity of drones in urban areas bring significant technical and societal challenges in privacy, cyber security, and public safety. Therefore, potential privacy, security, and safety concerns must be concurrently addressed with the development of full autonomy in drone operation via improvements in the performance, reliability, autonomy, and connectivity of UAV platforms. This Special Issue welcomes high-quality papers detailing the latest research and application results in UAV development from experts in a wide array of fields, including navigation, autonomous control, secure localization, drone vision and sensing, nonlinear optimization models, and machine learning/artificial intelligence algorithms.

Guest Editors

Dr. João Pedro Matos-Carvalho

1. Center of Technology and Systems (UNINOVA-CTS) and Associated Lab of Intelligent Systems (LASI), 2829-516 Caparica, Portugal
2. Cognitive and People-Centric Computing Laboratories (COPELABS), Universidade Lusófona de Humanidades e Tecnologias, Lisbon, Portugal

Dr. Luís Miguel Campos

PDMFC, 1300-609 Lisbon, Portugal

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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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