

## Special Issue

# Advances in Civil Applications of Unmanned Aircraft Systems: 2nd Edition

### Message from the Guest Editors

Drones have emerged over the past decade as a fundamental tool in various civil applications including, among other uses, the inspection of complex structures such as viaducts or wind turbines, professional image and video operations, the monitoring of agricultural fields and forest masses, controlling pollution in bodies of water, serving as logistical tools in remote locations, enabling topographical operations, and contributing to search and rescue missions. There are a multitude of aircraft designs, including fixed-wing or rotary-wing, various types of payloads, propulsion systems, etc. Additionally, there are many instances where unmanned aircraft collaborate with other aircraft, swarms, or other unmanned vehicles, whether land- or sea-based. The regulatory aspects and their evolution over the past years have also proven to be crucial in this context, accompanying the development of the sector. The goal of this Special Issue is to collect papers (original research articles and review papers) to give insights about various applications across a broad spectrum of unmanned aircraft in the civil sector.

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### Guest Editors

Prof. Dr. Higinio González-Jorge

Dr. Fernando Veiga López

Dr. Enrique Aldao Pensado

Gabriel Fontenla-Carrera

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### Deadline for manuscript submissions

closed (8 November 2025)



## Drones

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*Drones*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[drones@mdpi.com](mailto:drones@mdpi.com)

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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

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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