

Special Issue

Dynamics Modeling and Conceptual Design of UAVs—2nd Edition

Message from the Guest Editors

This Special Issue aims to collect papers (original research articles and review papers) that provide insights into new developments in the dynamic modeling and conceptual design of advanced UAVs. Potential topics include, but are not limited to, aerodynamic UAV modeling, system identification and parameter estimation, development of control strategies for UAV stabilization and control, multi-disciplinary UAV design optimization, and design and analysis of novel UAV concepts and configurations. The contributions to this Special Issue cover a wide range of topics related to UAV dynamics modeling and conceptual design including, but not limited to, the following: Aerodynamic modeling of UAVs; System identification and parameter estimation of UAVs; Development of control strategies for UAV stabilization and control; Multi-disciplinary design optimization of UAVs; Design and analysis of novel UAV concepts and configurations. We look forward to receiving your original research articles and reviews.

Guest Editors

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Deadline for manuscript submissions

closed (18 June 2026)



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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.

Editor-in-Chief

Prof. Dr. Diego González-Aguilera

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