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Conceptual Design, Modeling, and Control Strategies of Drones

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Deadline for manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

The use of aerial drones, also known as flying robots, unmanned aerial vehicles (UAVs) or airships, is rapidly expanding to numerous applications, such as communication, environmental monitoring, rescue operations, policing, video surveillance, product deliveries and smart agriculture. For all these applications, conceptual design, modelling and control strategies of aerial drones are critical issues. Advanced methods of modelling, navigation and control play an important role in achieving the reliable, robust, secure and cost-effective functioning of aerial drones. This Special Issue is focused on new developments in the field of modelling, navigation and control strategies for various applications. Potential topics include but are not limited to UAV control systems, advanced methods of UAV navigation and guidance, mathematical models of aerial drones, control and navigation of aerial drones for surveillance, environmental, delivery, rescue, smart agriculture, policing and security applications.

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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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