

Topical Collection

Editorial Board Members' Collection Series: Drone Design

Message from the Collection Editors

Unmanned aerial vehicles, commonly known as drones, have rapidly evolved over the past decade. Initially developed for various applications, their use has expanded significantly into sectors including agriculture, logistics, surveillance, and entertainment. This growth reflects the increasing interest in leveraging drone technology to enhance operational efficiency and reduce costs. The technological advancement of drones has been remarkable, yet several challenges remain. Key areas needing further development include improving battery life, enhancing autonomous navigation capabilities, and ensuring regulatory compliance. Additionally, addressing issues such as data security and the integration of drones into existing airspace systems is crucial for their widespread adoption. Researchers and designers are encouraged to explore innovative solutions to these complex problems. This Topical Collection aims to provide a platform for scholars to share their insights and advancements in drone design. We invite contributions that explore new design methodologies, technological innovations, and case studies that demonstrate the practical applications of drone technology.

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Message from the Editor-in-Chief

Designs (ISSN 2411-9660) is a peer-reviewed and open access journal which provides a unifying research framework for a wide range of engineering designs of disciplines and industrial applications, including mechanical engineering, electrical engineering, civil engineering, mechatronics, aerospace engineering, bioengineering, energy engineering, industrial engineering and manufacturing systems are of interest. We would like to invite you to contribute to the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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