

IMPACT FACTOR 2.1



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UAV System Modelling Design and Simulation

Guest Editors:

Prof. Dr. Wojciech Skarka

Department of Fundamentals of Machinery Design, Silesian University of Technology, Stanislawa Konarskiego 18A, 44-100 Gliwice, Poland

Dr. Miha Brojan

Faculty Of Mechanical Engineering, University Of Ljubljana, Ljubljana, Slovenia

Deadline for manuscript submissions:

31 January 2025

Message from the Guest Editors

The scope of the Special Issue will include, but is not limited to, the following topics associated with the modelling and simulation of UAV systems:

- Novel drone designs and architectures;
- Aerodynamic modelling and optimization;
- Flight control and stability:
- High-precision robust and fast maneuver control of UAVs;
- Autonomous navigation and path planning;
- Autonomous localization of UAVs under GPSdenied environment;
- Autonomous/cooperative decision and planning for UAVs/swarms;
- Sensor fusion and perception;
- Application of novel sensing technologies in UAVs;
- Propulsion and power supply systems;
- New discoveries in UAV energy and power systems;
- Artificial intelligence technologies in the field of UAVs.
- Application of innovative design methods:
- Model-based design;
- Model-based system engineering.

We welcome original research articles and review articles that address any of the above topics or related areas. We look forward to receiving high-quality submissions that contribute to the advancement of the field of UAV system modelling, design and simulation.











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Editor-in-Chief

Prof. Dr. Konstantinos Kontis School of Engineering, University of Glasgow, James Watt Building South, University Avenue, Glasgow G12 800. Scotland, UK

Message from the Editor-in-Chief

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