

Special Issue

Modelling and Control of Aerospace Robotic Systems

Message from the Guest Editors

With the rapid development of artificial intelligence and data-driven methodologies, it has become increasingly possible to promote the performance, autonomy, and reliability of modern robotic systems in aerospace fields, especially when they interact with various complex environments. This Special Issue therefore aims to compile original research and review articles on recent advances, technologies, solutions, applications, and new challenges in the field of modelling and control of aerial and space robotic systems. Potential topics include, but are not limited to, the following:

- Data-driven dynamical model identification with sensors;
- High-performance sensors for measurement and perception;
- AI-based control policies considering sensor noises;
- Data-driven safety-critical control;
- Intelligent control of soft robots, humanoids, and multi-robot swarms equipped with modern sensors;
- Sensing in robotic systems;
- Digital twin for robotic systems considering sensor data transmission.

Guest Editors

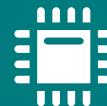
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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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