



UAV Systems and Swarm Robotics

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Deadline for manuscript
submissions:

31 December 2024

Message from the Guest Editors

Dear Colleagues,

The topics of interest for the Special Issue include but are not limited to UAV system design and control, swarm intelligence and coordination, UAVs in environmental monitoring and surveillance, UAVs in agriculture and forestry, swarm robotics in industrial and service applications, and UAVs in emergency response and disaster management. Of particular interest are the following subjects:

- Robot navigation in unknown environments;
- Perception and mapping using UAVs or multiple robots;
- Exploration with UAVs or with multiple robots;
- Advanced control of UAVs;
- UAV systems applications;
- Distributed control;
- Formation control;
- Modeling and control of flying multibody robots;
- Control of underactuated robotic systems;
- Vision-based control of robotic systems.

Besides fundamental and practical research, papers that present an in-depth study of the state of the art in the subject of the Special Issue will be well received. Note that the submitted papers can be on research on a single UAV or a group of them.





Editor-in-Chief

Prof. Dr. Marco Ceccarelli

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Message from the Editor-in-Chief

It is my great pleasure to welcome you to our open access journal, *Robotics*, which is dedicated to both the foundations of artificial intelligence, bio-mechanics and mechatronics, and the real-world applications of robotic perception, cognition and actions. The 21st century is the robotics century and intelligent robots will change our lifestyle forever. Let us work together toward the realization of intelligent robots step by step.

It is great fun to create intelligent robots and imagine their practical applications. *Robotics* is now ready to serve you in the long journey towards such a goal.

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