

# Special Issue

## Multi-UAV Target Tracking and Control

### Message from the Guest Editors

This Special Issue focuses on advancements in multi-UAV target tracking and control, addressing key aspects like formation control, distributed decision-making, and adaptive algorithms. Contributions cover innovative solutions for cooperative tracking, where UAVs share data to enhance accuracy and reliability, and autonomous navigation, leveraging machine learning and sensor fusion to adapt to unpredictable conditions. We invite researchers to submit original work on theoretical developments, simulation studies, and experimental validations that push the boundaries of multi-UAV systems. Topics of interest include, but not limited to, swarm intelligence, real-time trajectory planning, resilience against communication failures, navigation, target recognition, search and exploration, and game theory. By fostering interdisciplinary collaboration, this Special Issue aims to accelerate progress toward scalable, autonomous UAV networks capable of tackling complex global challenges.

### Guest Editors

Dr. Zhao Xu

School of Electronics and Information, Northwestern Polytechnical University, Xi'an 710072, China

Dr. Guoqing Shi

School of Electronics and Information, Northwestern Polytechnical University, Xi'an 710072, China

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*Aerospace*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[aerospace@mdpi.com](mailto:aerospace@mdpi.com)

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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 8QQ, UK

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