

## Special Issue

# Recent Advances in See and Avoid Systems for Aircraft

### Message from the Guest Editor

The key improvement areas that the most recent advances in SAA technology should be focused on are related (but not limited) to:

- Technologies for accurately sensing traffic and fixed obstacles that can be integrated in all vehicle's classes (from a few kilograms to several tons);
- Efficient filters for processing and fusing sensor data to reliably see and detect obstacles (either flying or not-flying);
- Intelligent traffic conflict detection, situational awareness, and guidance algorithms to allow missions near ground, in urban areas, or in the presence of other path constraints (fixed obstacles, severe weather, no-fly zones, geo-fencing) that would enable more autonomous unmanned operations;
- Better adaptation of SAA to (variable) vehicle maneuvering capabilities and to the probabilistic nature of traffic evolution, to always have an optimized behavior in any situation.

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### Guest Editor

Dr. Federico Corraro

Department of Innovative Systems and Applications of Satellite Navigation, Centro Italiano Ricerche Aerospaziali, 81043 Capua, Italy

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### Deadline for manuscript submissions

closed (31 July 2022)



## Aerospace

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*Aerospace*  
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, Scotland, UK

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