



Unmanned Aircraft System Detection and Deconfliction

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

The airspace regulators in many jurisdictions have recently launched initiatives related to UAS traffic management, or UTM. Surveillance and deconfliction are cornerstones of these initiatives. Traditional and modern approaches from various disciplines of engineering and computer science and artificial intelligence have considered these problems, but they are still intriguing to the research and practitioner communities.

To advance the field of autonomous UAS and aerial robotics, this Special Issue is dedicated to the research theme of object detection and deconfliction. We are inviting theoretical and experimental contributions related to this theme, including but not limited to:

- Perception and multi-sensor fusion;
- Machine learning for object detection and classification;
- Integration of autonomous aerial vehicles in airspace;
- UAS traffic management (UTM);
- Detect and avoid methods and systems;
- UAS deconfliction in airspace.

Dr. Iraj Mantegh
Guest Editor





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Message from the Editor-in-Chief

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