



*drones*



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## AI Based Signal Processing for Drones

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Deadline for manuscript  
submissions:

**closed (14 July 2023)**

### Message from the Guest Editor

This Special Issue calls for recent studies on various AI-based signal processing methods for drones. In this Special Issue, we will compile state-of-the-art research that addresses various aspects of AI-based signal processing for drones. Potential topics include, but are not limited to, the following areas: new AI concepts, ideas, and technologies of signal processing for drones; evaluation of current advanced signal processing methods for drones; autonomous maneuvers, supported by AI; signal processing to reduce drone's noise emissions; AI-based signal processing for drone tracking, challenges, and applications; AI-based signal processing for drone signature detection or suppression; semantic world mapping; multiple drone and multiple target localization; drone visual analysis for target/obstacle/crowd/point of interest detection; 2D/3D target tracking.



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**Special** Issue



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## Message from the Editor-in-Chief

*Drones* is the only international open-access journal about the science, policy and technology of drones and its applications. Nowadays, the proliferation of drones is a reality for local policy makers, regulatory bodies, mapping authorities, startups and consolidated companies. There are many uses and benefits of drones: from the emergence of new sensors and the evolution of new platforms; to the development of specific software and the emergence of new applications. *Drones* publishes reviews, regular research papers, communications and short notes, without restriction on the length of papers. *Drones* seeks to provide a central forum for scholars engaged in drones' research and applications.

There is a need for high quality papers in this area and the *Drones* Editorial Board are widely recognized international leaders. *Drones* journal guarantees a serious peer review and a rapid publication across the whole discipline of drones.

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