Special Issue

AI Based Signal Processing for Drones

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.

Guest Editor

Dr. Gwanggil Jeon

Department of Embedded Systems Engineering, Incheon National University, 119 Academy-ro, Yeonsu-gu, Incheon 22012, Republic of Korea

Deadline for manuscript submissions

closed (14 July 2023)

Drones

an Open Access Journal by MDPI

Impact Factor 4.8
CiteScore 7.4

mdpi.com/si/157723

Drones
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
drones@mdpi.com

mdpi.com/journal/drones

Drones

an Open Access Journal by MDPI

Impact Factor 4.8
CiteScore 7.4

mdpi.com/journal/drones

About the Journal

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.

Editor-in-Chief

Prof. Dr. Diego González-Aguilera
Cartographic and Land Engineering Department, Higher Polytechnic School of Avila, University of Salamanca, Hornos Caleros, 50 05003 Avila, Spain

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q1 (Remote Sensing) / CiteScore - Q1 (Aerospace Engineering)