



sensors



an Open Access Journal by MDPI

Deployment and Navigation of Aerial Drones for Surveillance and Monitoring

Guest Editor:

Prof. Dr. Andrey V. Savkin

School of Electrical Engineering
and Telecommunications,
University of New South Wales,
Sydney, NSW 2052, Australia

Deadline for manuscript
submissions:

closed (15 August 2019)

Message from the Guest Editor

Dear Colleagues,

We are inviting submissions to a Special Issue of *Sensors* entitled “Deployment and Navigation of Aerial Drones for Surveillance and Monitoring”. Aerial drones may refer to unmanned aerial vehicles (UAVs), flying robots, or airships in different applications. Researchers and engineers worldwide are working together to develop novel and efficient tools for the deployment and navigation of networks of aerial drones for monitoring and surveillance. This Special Issue is focused on new developments in the field of placement and navigation of UAVs for surveillance applications.

Potential topics include, but are not limited to, the following:

- Reactive deployment of aerial drones;
- Proactive deployment of aerial drones;
- UAV navigation;
- Surveillance and following moving objects using UAVs;
- Networks of UAVs;
- UAV path planning;
- Collision avoidance for UAVs;
- Deployment and control of flying sensor networks;
- Coverage control in UAV surveillance;
- Environmental monitoring by UAVs.



mdpi.com/si/22271

Prof. Dr. Andrey V. Savkin
Guest Editor

Special Issue



sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

Author Benefits

Open Access : free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)