



drones

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Advances in AI for Intelligent Autonomous Systems

Guest Editors:

Dr. Hanno Hildmann

1. IAS Intelligent Autonomous Systems, Netherlands
Organisation for Applied Scientific Research (TNO), 2595 DA The Hague, The Netherlands
2. De Haagse Hogeschool, The Hague University of Applied Sciences (HHS), 2521 EN Den Haag, The Netherlands

Prof. Dr. Fabrice Saffre

Technical Research Centre of Finland, 02150 Espoo, Finland

Deadline for manuscript submissions:

closed (20 May 2024)

Message from the Guest Editors

Dear Colleagues,

As unmanned aerial vehicles become an increasingly mainstream technology and their utilisation more ubiquitous, the opportunities afforded by their becoming more autonomous and “intelligent” multiply. There is a wide variety of applications in which an ability for drones to operate semi-independently from a human pilot could bring substantial advantages.

For this Special Issue, we invite original contributions presenting advances in Artificial Intelligence (machine learning, visual pattern recognition, swarm intelligence, etc.) that significantly increase the autonomy of unmanned systems, whether operating individually or as a team. Rigorous theoretical or simulation-based studies, prototype implementation reports, and experimental results are equally welcome, as are comprehensive literature surveys and reviews. Innovative research on the interaction between humans and “intelligent” drones (interface design, concepts of operation, etc.) or the control of autonomous platforms is also of interest.

Prof. Dr. Seth Bullock
Dr. Hanno Hildmann
Prof. Dr. Fabrice Saffre
Guest Editors



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Special Issue



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

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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Contact Us

Drones Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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