



1st International Conference on Drones and Unmanned Systems (DAUS' 2025)

Granada, Spain, 19-21 February 2025

CALL FOR PAPERS

The inaugural International Conference on Drones and Unmanned Systems (DAUS' 2025) focuses on the design, development and applications of drones, including unmanned aerial vehicles (UAV), Unmanned underwater vehicles (UUV), Unmanned Aircraft Systems (UAS) and Remotely Piloted Aircraft Systems (RPAS). The scope of the conference spans a diverse range of topics, in all fields of autonomous systems, algorithm, automate software, hardware and applications related to drones and autonomous systems. A key focus will be on the convergence of drones with artificial intelligence.

This forum also aims to address the application of drones in various sectors, including industry, agriculture, military, and security. The emerging fields of space drones, micro- and mini-drones, and the integration of unmanned systems in construction monitoring will be explored, identifying new opportunities for innovation and deployment.

The DUAS' 2025 is organized by the International Frequency Sensors Association (IFSA) - one of the major professional, non-profit association serving for sensor industry and academy since 1999.

We trust that you will find the DAUS' 2025 conference professionally rewarding and stimulating as well as enjoyable. Welcome to DAUS' 2025!

Deadlines:

Submission
(2-page abstract):
15 November 2024

Notification of acceptance:
10 December 2024

Registration:
30 December 2024

Camera ready (4-6 pages paper):
20 January 2025

Venue

The DAUS' 2025 Conference will take place in the modern 5-star Barceló Granada Congress Hotel. The hotel is situated just in a few minutes from the historic centre, makes it the perfect base for visiting the main tourist attractions 30 km from the spectacular Sierra Nevada mountain ski resort and 65 km from the tropical Mediterranean coast. It also has excellent connections with the national rail network and is just 16 minutes from Granada Airport (18.3 km). Address: Maestro Montero, 12, Ronda District, 18004 Granada, Spain.

Special Session: Drone Applications for Wildlife Ecology

This special session provides highlights of the use of drones in wildlife ecology and a forum for discussion among both experts and potential users of drones that may result in future research collaborations between wildlife biologists in academic, government, and private sectors.

Student Special Session: UAS

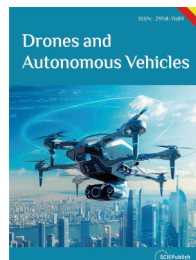
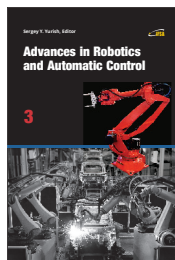
The purpose of this session is to advance undergraduate students' research in the field of UAS. Through this session, the students will present the results of their own UAS research. At the same time they improve their presentation skills, building up experience as the future researcher and improving their will. The researches provided in this session are supported by Korea government.

Special Session: Geometry - Semantic Coherence for Drone Safe Planning and Navigation

One key challenge in most UAV-based applications is how to achieve safe UAV navigation. UAV risk avoidance or minimization requests a clear presence of legal frameworks for UAV planning, geodata and semantic information. In this context, using only geodata does not deliver the sufficient information needed for a safe navigation, for e.g. sufficient description of places is not always possible. For this reason, there are also other ideas of using semantics to characterize objects and actions in UAV environment related to planning and navigation.

Special Session: Innovative UAV System

As UAV systems become more important militarily and commercially, the innovation of UAVs also become important. This session covers the following topics of innovations and future-proofing in various areas of UAV design and its development.



Contribution Types:

- Keynote presentations
- Invited presentations
- Special sessions
- Regular sessions
- Poster sessions
- Industrial presentations
- Panel discussions and Round tables
- Exhibition

One Event - Three Publications !

1) All registered abstracts / papers will be published in the conference proceedings with the ISBN and DOI, distributed before the event. It will be also submitted for indexing to the Conference Proceedings Citation Index (CPCI) by Clarivate Analytics (former Thomson Reuters).

2) Authors will be invited to submit full-page extended papers to one of open access journals:

- Sensors & Transducers (ISSN 2306-8515, e-ISSN 1726-5479), indexed by SCOPUS
- Drones and Autonomous Vehicles (ISSN 2958-7670, e-ISSN 2958-7689)
- MDPI Drones (ISSN 2504-446X)

3) Book chapters for the coming volumes of open access Book Series on 'Advances in Robotics and Automatic Control: Reviews', Vol. 4/5, 'Advances in Networks, Security and Communications: Reviews', Vol. 3/4 or 'Advances in Intelligent Systems: Reviews', Vol. 3/4. All books will published in 2025 and submitted to the Book Citation Index by Clarivate Analytics.