



3rd International Conference on Drones and Unmanned Systems (DAUS' 2027)

10-12 February 2027, Geneva, Switzerland

CALL FOR PAPERS

The 3rd International Conference on Drones and Unmanned Systems (DAUS' 2027) focuses on the design, development, and applications of UAVs, UUVs, UAS, and RPAS. It provides an international forum for researchers, engineers, and practitioners to present the latest advances in aerial, underwater, ground, and space platforms.

The program highlights cutting-edge technologies in AI, autonomy, sensing, communications, energy, and swarm coordination, alongside applications in industry, agriculture, defense, environment, and urban air mobility. Emerging fields such as space drones, micro- and mini-drones, and counter-drone technologies will also be addressed, together with discussions on regulation, training, and future trends.

By fostering collaboration across academia and industry, DAUS 2027 aims to accelerate innovation and the integration of safe, efficient, and intelligent unmanned systems.

The DAUS' 2027 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' 2027 conference professionally rewarding and stimulating as well as enjoyable. Welcome to DAUS' 2027!

Deadlines:

Submission
(2-page abstract):
15 November 2026

Notification of acceptance:
5 December 2026

Registration:
30 December 2027

Camera ready (4-6 pages paper):
15 January 2027

Venue

The DAUS' 2027 Conference will take place in the modern 4-star Crowne Plaza hotel, situated two minutes from Geneva International Airport and the Palexpo Exhibition Centre. Surrounded by lush greenery, it offers easy access to the city without sacrificing the welcoming ambiance of our natural setting. With a free airport shuttle and complimentary public transport passes, exploring top attractions is effortless. In less than 15 minutes, discover Geneva's charming Old Town, the Lakeside Promenade, and the iconic Jet d'Eau. Address: Av. Louis Casai 75/77, 1216 Geneva, Switzerland.

Topics

Platforms and Vehicle Systems

- Unmanned Aircraft Vehicles (UAV) and Systems
- Remotely Piloted Aircraft Systems (RPAS)
- Unmanned Underwater Vehicles (UUV) and Systems
- Uncrewed Ground Vehicles (UGV) and Systems
- Micro- and Mini-Drones
- Space Drones

Enabling Technologies

- Navigation and Localization for UAV, UUV, and UGV
- Networks and Communications for Unmanned Systems
- Sensors, Actuators, and Payloads for Drones
- Video Cameras and Vision Systems
- Lidars and Radars
- Human-Computer Interaction for Unmanned Systems
- Energy and Power Systems (batteries, fuel cells, solar-powered drones)
- Integration with 5G/6G and Edge Computing
- Digital Twins, Simulation, and Virtual Prototyping

Autonomy, Intelligence, and Control

- Convergence of Drones and Artificial Intelligence
- Autonomous Decision-Making and Onboard Processing
- Swarm Intelligence and Multi-Agent Coordination
- Cybersecurity, Safety, and Resilience of Unmanned Systems

Applications

- Agricultural Drones and Precision Farming
- Industrial and Automated Process Applications
- Drones for Security and Surveillance
- Drones in Construction Monitoring
- Military and Defense Applications
- Environmental Monitoring, Disaster Response, and Climate Applications
- Urban and Advanced Air Mobility (UAM/AAM)
- Logistics, Medical Delivery, and Smart City Applications

Cross-Cutting Issues

- Counter-Drone Technologies and Security Measures
- Regulation, Standards, and Certification
- Education, Training, and Workforce Development
- Ethical, Legal, and Societal Implications of Unmanned Systems

Contribution Types:

- Keynote & 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, and other indexed journals, affiliated with the event.

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, 'Advances in Intelligent Systems: Reviews', Vol. 3/4 or 'Advances in Drones & Unmanned Systems', Vol. 2. All books will be published in 2027 and submitted to the Book Citation Index by Clarivate Analytics.

