

ICAUAS 2025

October 24-26, 2025 | Songshan Lake, Guangdong

第三届先进无人飞行系统国际会议

2025 3rd International Conference on Advance Unmanned Aerial Systems

Welcome

On behalf of the organization committee, we warmly welcome you to the website for the 2025 3rd International Conference on Advanced Unmanned Aerial Systems (ICAUAS 2025), which will be held during October 24-26, 2025 in Songshan Lake, Guangdong, China. Organized by City University of Hong Kong (Dongguan), co-organized by Huazhong University of Science and Technology, Xi'an Jiaotong University and Tsinghua University, technically sponsored by IEEE-IES Technical Committee on Control, Robotics, and Mechatronics (China). This conference provides a forum for the discussion and dissemination of knowledge and results in theory, methodology and new advances in Advanced Unmanned Aerial Systems and their applications in many other fields of science and engineering.

Organized by  香港城市大學 (東莞)
City University of Hong Kong
(Dongguan)

Co-organized by  華中科技大學
HUAZHONG UNIVERSITY OF SCIENCE AND TECHNOLOGY  西安交通大學
XIAN JIAOTONG UNIVERSITY  清華大學
Tsinghua University

Technically sponsored by IEEE-IES Technical Committee on Control, Robotics, and Mechatronics (China)

Call for papers

Click [here](#) for more.

The topics of interest include, but are not limited to:

1. Autonomy and Control

- Autonomous Coordination and Control
- Behavior Planning and Decision Making
- Control Architectures
- Interaction Control
- Machine Learning and Artificial Intelligence
- See/Sense-Detect-and-Avoid Systems

2. Flight Dynamic and Control

- Aerodynamics
- Attitude dynamics and control
- Flight dynamics and control of UAS

3. Communication and Navigation

- Path Planning and Navigation
- Frequency Management
- UAS Communications

4. Sensing and Perception

- Aeroacoustics
- Biologically Inspired UAS
- Payloads
- Image Processing

5. Design and Simulation

- Micro-and Mini-UAS
- Mission design and space systems
- On-board energy
- Thermal science and applications

Key dates

Abstract Submission Due: May 22, 2025

Full Paper Submission Due: June 5, 2025

Author Notification Due: August 5, 2025

Registration Due: September 10, 2025

Final Paper Due: September 24, 2025

Main Conference: October 24-26, 2025

Submission

Click [here](#) for more information.

Online submission system

<https://cmt3.research.microsoft.com/ICAUAS2025>

Or scan the QR Code:



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Publication

Conference presented and registered full paper will be included in digital conference proceeding and published in the [Springer Book Series Springer Aerospace Technology](#) (ISSN: 1869-1749), and submitted to major citation databases like Ei Compindex, Scopus etc. for reviewing and indexing.



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Engineering Village



Publication history



ICAUAS 2023 has been published by Springer Aerospace Technology and indexed by EI and Scopus database.



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Special Sessions

Click [here](#) to learn more about special sessions.

Special Session I - Intelligent UAV and Collaborative Unmanned Systems Technology

Special Session II - Advanced Experimental and Design Technologies for Low-Altitude Aircraft in Complex Environments

Special Session III - Key Structural Materials for Unmanned Aerial Systems

Special Session IV - Dynamic Stability for Structures of Unmanned Aerial Systems