

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 Advanced 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
XI'AN JIAOTONG UNIVERSITY  清華大學
Tsinghua University

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

Call for papers

Please visit www.icauas.net/cfp for more information.

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. Design and Simulation

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

5. Materials and Mechanics on Aerospace

- Smart Aerospace Materials and Applications
- Structure Design and Optimization
- Mechanical Analysis and Testing
- Damage and Health Monitoring

Key dates

(Third Round)

Abstract Submission Due: July 30, 2025

Full Paper Submission Due: August 20, 2025

Author Notification Due: September 1, 2025

Registration Due: September 24, 2025

Final Paper Due: September 24, 2025

Main Conference: October 24-26, 2025

Submission

Please visit: www.icauas.net/submit for more information.

Online submission system

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

Or scan the QR Code:



Contact us

Liam. Liang

Email: inquiry@icauas.net

Website: www.icauas.net

Committee

International Advisory Committee

Xiaodong He
Harbin Institute of Technology,
China

Kun Zhou
Nanyang Technological
University, Singapore

Nimal Rajapakse
Simon Fraser University,
Canada
Sri Lanka Institute of
Information Technology, Sri
Lanka

Conference Chairs

Zishun Liu
City University of Hong Kong
(Dongguan), China

Renfu Li
Huazhong University of Science
and Technology, China

Yao Zheng
Zhejiang University, China

Tiejun Wang
Xi'an Jiaotong University, China

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.



 Compindex on
Engineering Village

 Scopus

Special Sessions

Please visit: www.icauas.net/SpecialSessions for more information.

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

Special Session V - Intelligent Perception and Control of Unmanned Systems

Special Session VI - Low-Altitude Vehicle Aerodynamic Design and Noise Assessment

Tracks

Please visit: www.icauas.net/tracks for more information.

Track I - Modeling, Design, and Control of Lighter-than-Air Unmanned Systems

Track II - Mission Planning and Control Technology for Low-Altitude Unmanned Aerial Vehicle