

2026年第四届先进无人飞行系统国际会议 2026 4th International Conference on Advanced Unmanned Aerial Systems

WELCOME TO ICAUAS 2026

On behalf of the organizing committee, we warmly welcome you to the website for the 2026 4th International Conference on Advanced Unmanned Aerial Systems (ICAUAS 2026), which is scheduled to be held during **October 16-18, 2026** in **Shanghai, 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.

Our conference is a fully approved and peer-reviewed process, Each paper is blind peer-reviewed for its suitability, academic content, and thoroughness. Accepted papers will be included in the digital proceeding and submitted to major citation databases including, but not limited to Ei Compendex and Scopus) for review and indexing.

We are pleased to invite you to submit your paper that highlights your research results to the conference. Meet and network with your peers in the area of your research.

TOPICS OF INTEREST

For more information, please visit: www.icauas.net/cfp.html
The topics of interest include, but are not limited to:

Autonomy and Control

- Control Architectures
- Fail-Safe Systems
- See/Sense-Detect-and-Avoid Systems

Communication and Navigation

- Path Planning and Navigation
- Frequency Management
- UAS Communications

Materials and Mechanics on Aerospace

- Composite Aerospace Materials Structures and Mechanics
- Smart Aerospace Materials and Applications
- Structure Design and Optimization

Flight Dynamic and Control

- Aerodynamics
- Attitude Dynamics and Control
- Flight Performance and Stability Analysis

Design and Simulation

- Micro-and Mini-UAS
- Mission Design and Space Systems
- On-board Energy

VTOL UAV in Low Altitude Economy (LAE)

- Aerodynamic Layout
- Light Weight Structure Configuration
- Rotor Title Mechanism and Device

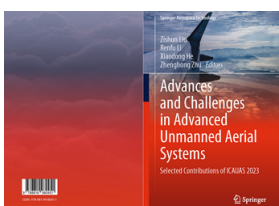
PUBLICATION

Registered and presented full papers will be included in the ICAUAS 2026 digital conference proceedings, which will be published by [Springer Aerospace Technology](http://www.springer.com), and also submitted to major citation databases (including, but not limited to Ei Compendex and Scopus) for review and indexing.



Selected papers with a significant extension can be recommended for publication in the Special Issue "[Design and Application of Multi-functional Structures](#)" of "[Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications](#)", which will be submitted to major citation databases such as SCIE, Scopus, Inspec, etc. for indexing.

PUBLICATION HISTORY



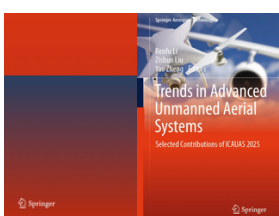
ICAUAS 2023

Published by Springer
ISBN: 978-981-99-8045-1
Ei Compendex | Scopus



ICAUAS 2024

Published by Springer
ISBN: 978-981-96-3240-4
Ei Compendex | Scopus



ICAUAS 2025

Published by Springer
ISBN: 978-981-95-7840-5
Ei Compendex | Scopus

SUBMISSION GUIDELINES

- Manuscripts submitted to the conference should be written in English only.
- Manuscripts submitted to the conference should follow the template provided.
- Manuscripts can be submitted in Doc, Docx and PDF format.
- Oral or Poster presentations should be nominated while submitting an abstract.
- The ordinary length is suggested no less than 8 pages, including all figures, tables, references, and appendices. If the paper exceeds 8 pages, the additional pages will be charged at the time of registration.

For paper template, please visit: www.icauas.net/submit.html

Online Submission link: <https://cmt3.research.microsoft.com/ICAUAS2026>

KEYNOTE SPEAKERS



Dan Zhang

The Hong Kong Polytechnic University, China

KEY DATES (FINAL ROUND)

Camera-ready Submission Due: October 2, 2026

Main Conference: October 16-18, 2026

SPECIAL SESSIONS

For more information, please visit: www.icauas.net/SpecialSessions.html

Session I

Modeling, Optimization and Control of Unmanned Aerial Systems

Session III

Embodied Cognition and Swarm Cooperative Decision-Making and Control for Unmanned Systems

Session II

Design and Optimization of Low-Altitude Aircraft

Session IV

Advanced Problems in Guidance Navigation and Control

TRACKS

For more information, please visit: www.icauas.net/tracks.html

Track I

Intelligent Perception and Environment Understanding for Unmanned Systems

Track III

Task Planning and Cooperative Control of Unmanned Swarm Systems

Track II

Advanced Guidance and Control for Unmanned Re-entry Vehicle

Track IV

Sensing, Guidance and Physical Countermeasures for Low-Altitude High-Speed Intelligent Unmanned Aerial Systems

Track V

Intelligent Perception and Agile Tracking of Heterogeneous Ground-Air Targets for UAVs

CONTACT

Conference Email: inquiry@icauas.net

Conference Tel: 028-85027305 (Mainland)

+86-28-85027305 (International)

Monday-Friday, 9:00am-12:00pm and 1:30pm-6:00pm