The 2024 International Conference on Advanced Unmanned Aerial Systems (ICAUAS 2024) aims to bring together scholars, managers, researchers and students of Unmanned Aerial Systems and Aerospace related areas and industries for intellectual exchanges, research cooperation, education and professional development. ICAUAS 2024 will offer keynote speeches and several research topics, for inviting presentations of theoretical research findings and case study in Unmanned Aerial Systems and Aerospace and its related fields, and also offers excellent networking opportunities to participants, with a wonderful taste of local culture and scenery in Nanchang, China on June 14-16, 2024.

**Keynote Speakers**
- Dan Zhao, Associate Fellow of AIAA, University of Canterbury, Christchurch, New Zealand
- Renfu Li, Associate Fellow of AIAA, ASME Fellow, Huazhong University of Science and Technology, China

**Advisory Committee**
- Edwin Lughoffer, Johannes Kepler University Linz, Austria
- Boong Yeol Ryoo, College of Architecture & Texas A&M University, USA
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**Conference Chairs**
- Zhenghong (George) Zhu, York University, Canada
- Renfu Li, Huazhong University of Science and Technology, China
- Xiaodong He, Harbin Institute of Technology, China
- Xiaochi Wei, Nanjing University of Aeronautics and Astronautics, China
- Zishun Liu, Xi’an Jiaotong University, China
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**Conference Co-Chair**
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**Program Chairs**
- Ian McAndrew, Capitol Technology University, USA
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- Vasile Radu, University of Timisoara, Romania
- Jolanta Mizera-Pietraszko, Opole University, Poland

**Topics of interest include, but are not limited to:**

- **Track 1: Autonomy and Control**
  - Aeroacoustics
  - Control Architectures
  - Fail-Safe Systems
- **Track 2: Flight Dynamic and Control**
  - Aerodynamics
  - Attitude dynamics and control
- **Track 3: Communication and Navigation**
  - Path Planning and Navigation
  - UAS Communications
- **Track 4: Sensing and Perception**
  - Aeroacoustics
  - Biologically Inspired UAS
- **Track 5: Design and Simulation**
  - Micro-and Mini-UAS
  - Mission design and space systems
- **Track 6: Materials and Mechanics**
  - Composite materials structures and mechanics
  - Smart materials and applications

**Submission**
All submitted papers need to be original, must not be previously published or accepted for publication elsewhere, must not be under review by any other conference or publication during the review cycle. Authors are invited to submit Abstract or Full Paper using the Online Submission System. Any questions, please contact inquiry@icauas.net.

**Early Bird Registration**
- **Regular**
  - Before March 15, 2024
  - 500USD
- **Student/Committee**
  - 450USD
- **IASED Member**
  - 470USD

**Publication**
2023 International Conference on Advanced Unmanned Aerial Systems (ICAUAS 2023) has been successfully published in Springer Aerospace Technology (SAT).

All accepted and presented full papers will be published in the digital conference proceedings, which will be sent for review and indexed by major citation databases such as EI-Compendex, Scopus, CPCI, Google Scholar etc.