

# 2025 INTERNATIONAL CONFERENCE ON UNMANNED AIRCRAFT SYSTEMS (ICUAS '25)



May 14 - 17, 2025  
Charlotte, NC, USA  
[www.uasconferences.com](http://www.uasconferences.com)



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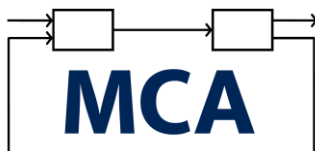
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The 2025 International Conference on Unmanned Aircraft Systems, **ICUAS '25**, will take place on May 14-17. It is organized in Charlotte, NC, the second-largest banking center in the United States. **ICUAS '25** is sponsored by the University of North Carolina at Charlotte (UNC Charlotte), and the conference venue is on the campus facilities of the University. Charlotte is easily accessible via the Charlotte Douglas International Airport. The city offers many attractions including the Sullenberger Aviation Museum, U.S. National Whitewater Center, Carowinds Amusement Park, the Charlotte Motor Speedway, and other cultural amenities and entertainment sites.

**ICUAS '25** centers around civil and public domain applications, and on the impact of unmanned aviation to society. Technical challenges cover a wide spectrum of topics; however, emphasis is given to 1) **real-time aerial manipulation**; 2) **multi-mode platforms**; 3) **design for resiliency and autonomy**, 4) **human factors and ethical AI as applied to unmanned aviation**, 5) **learning-based navigation and control**, and 6) **regulations for integration into the national airspace**.

**ICUAS '25** brings together, under one forum, national and international organizations, federal agencies, industry, private sector, authorities, end-users, and practitioners, working towards defining roadmaps of UAS, setting expectations, technical requirements and standards that are prerequisite to their full utilization and integration into the national airspace. Special emphasis is given to research opportunities, and to *'what comes next'* in terms of tools and support technologies that are needed to advance the state-of-the-art.

**ICUAS '25** offers unique opportunities to meet, interact and shape the future of unmanned aviation, worldwide, bringing together technical, regulatory, and legal communities. Details and logistics about the conference may be found at <http://www.uasconferences.com> and related links. The conference is fully sponsored by the **ICUAS Association, Inc.**, a non-profit organization, see [www.icuas.com](http://www.icuas.com). It is technically cosponsored by the IEEE Control Systems Society, the IEEE Robotics and Automation Society, and the Mediterranean Control Association.

Part of **ICUAS '25** is the **UAV Competition**. The Competition is student-focused and student-centered, offering unique opportunities for students to test and compare their skills with those of their peers worldwide. The competition is organized in two stages: simulation qualifiers and in-person finals. The finals will take place during the conference, allowing students to meet and participate in the conference, too. Details on how to participate in the UAV Competition are available on the conference website.

## CONFERENCE STRUCTURE

**ICUAS '25** is a 'physical presence only' four-day event. May 14-16 spans the three-day technical conference. May 17 is devoted to Workshops and Tutorials.

## IMPORTANT DUE DATES

<b>February 4, 2025:</b>	Full Papers / Invited Sessions / Tutorial Proposals Due
<b>February 10, 2025:</b>	UAV Competition: simulation-based scenario
<b>March 25, 2025:</b>	Acceptance / Rejection Notification
<b>March 25 – April 10, 2025:</b>	Early Registration and Upload Final, Camera Ready Papers

## SUBMISSIONS

**Papers:** Paper format (two-column) follows IEEE guidelines. Electronic submission will be handled through PaperCept - details are available on the conference web site. Submitted papers should be classified as *Contributed* or *Invited Session* (max. 8 pages), or *Poster* (max. 6 pages) papers. Accepted, contributed, and invited session papers only will be allowed up to two additional pages for an extra charge per additional page. Poster papers should aim at novel and cutting-edge ideas with potential, however, not yet fully developed.

**Invited Sessions:** Proposals for invited sessions should contain a summary statement describing the motivation and relevance of the proposed session, the invited paper titles, and the names of the authors. Authors must submit FULL invited papers. Each paper must be marked as "Invited Session Paper".

**Workshops and Tutorials:** Proposals for workshops and tutorials should contain title, list of speakers, and extended summaries (2000 words) of their presentations.

All contributions (papers, invited papers, proposals for invited sessions, workshops, and tutorials) must be submitted electronically through <https://controls.papercept.net> by the due date.

**Paper Review Process:** All submitted papers will undergo a thorough peer review process coordinated by the Program Chairs, Advisory Committee Members, IPC members, Associate Editors, and qualified reviewers. Each paper will be reviewed by (at least) three qualified reviewers. Each Associate Editor will make recommendations. The Program Chairs will finalize and announce decisions by the due date. Each submitted paper will be checked for originality through the iThenticate Plagiarism Detection Software.