

2022 INTERNATIONAL CONFERENCE ON UNMANNED AIRCRAFT SYSTEMS (ICUAS'22)

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JUNE 21 - 24, 2022

VALAMAR LACROMA HOTEL and RESORT
DUBROVNIK, CROATIA

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The 2022 International Conference on Unmanned Aircraft Systems, ICUAS '22, takes place for the first time in Croatia, in the world-famous city of Dubrovnik. History is alive in every part of Dubrovnik. This always alive city, the jewel of the Adriatic, represents the perfect crossroads between the past, the present and the future; the whole city is a historic and modern museum! Its rich history, its geographic location, the mild climate, and its traditional hospitality make Dubrovnik the perfect venue for this international event. Dubrovnik is also a cultural destination as evidenced by the many festivals, prestigious art shows and exhibits, famous artists, open air events throughout the year, and its architectural treasures. Dubrovnik offers the ideal venue to mix business and pleasure.

ICUAS '22 presents a unique opportunity to meet, interact and shape the future of unmanned aviation, worldwide. Details may be found at <http://www.uasconferences.com> and related links. ICUAS '22 is fully sponsored by the ICUAS Association, a non-profit organization, see www.icuas.com.

The central theme of ICUAS '22 is twofold: **aerial robotics**, and **guidance, navigation, and control of manned – unmanned systems**. National and international organizations, agencies, industry, and authorities work towards defining roadmaps of UAS/RPAS expectations, technical requirements and standards that are prerequisite to their full utilization and integration into the national airspace. The next generation of UAS/RPAS will be used for a wide spectrum of civilian and public domain applications.

ICUAS '22 aims to bring together different groups of qualified representatives worldwide, funding agencies, industry, and academia, to discuss the current state of unmanned aviation advances, and the roadmap to their full utilization in civilian and public domains. Special emphasis will be given to research opportunities, and to *'what comes next'* in terms of the essential technologies that need to be utilized to advance the state-of-the-art.

The new, innovative aspect of ICUAS '22 is that it will include for the first time a **UAV Competition**. The Competition is student focused, offering unique opportunities for students to test and compare their skills with those of their peers, worldwide. It will be organized in two stages: simulation qualifiers and in person finals. The finals will take place during the conference, allowing for students to meet and participate in the conference. Details on how to be part of the UAV Competition may be found on the conference web.

Through keynote addresses, round table discussions and presentations, the outcome of the Conference will be a clear understanding of what industry, civilian, national, and international authorities need, and what are the crucial next steps to be completed before UAS/RPAS are utilized in everyday applications.

IMPORTANT DATES

February 1, 2022:

Full Papers / Invited Sessions / Tutorial Proposals Due

February 1, 2022:

UAV Competition: simulation-based scenario

April 15, 2022:

Acceptance / Rejection Notification

May 10, 2022:

Upload Final, Camera Ready Papers

April 15 – May 10, 2022:

Early Registration

SUBMISSIONS

Papers: Paper format should follow 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. 10 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 be aimed 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 February 1, 2022.

Review: All submitted papers will undergo a peer review process coordinated by the Program Chairs, Advisory Committee Members, IPC members and qualified reviewers. Authors will be notified of results at the latest by April 15, 2022. Accepted papers must be uploaded electronically no later than May 10, 2022. Accepted papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements.

