



Issue 1
Winter 2020

ICUAS Association, Inc.

www.icuas.com

EDITORIAL

Dear Readers:

Welcome to the first Issue of the ICUAS Association Newsletter.

This Winter 2020 marks the inaugural issue of the Newsletter, which from now on will be published quarterly. Each issue will have a short Editorial, a 'theme article', and a sample of the latest news and information related to unmanned aviation, as well as short reports about ICUAS activities and events, and the annual conference. The Newsletter will also offer a forum for 'position' and 'opinion' briefs.

This issue highlights the mission and vision of the ICUAS Association and presents information about the 2020 technical conference.

ABOUT THE ASSOCIATION

The ICUAS Association is a non-profit organization registered in the State of Colorado, USA. Its mission is to advance knowledge, education, basic and applied research and development, disseminate information and increase societal awareness in unmanned aviation, and specifically in unmanned aircraft systems (UAS).

The vision of the Association is to: i.) Organize and sponsor the annual *International Conference on Unmanned Aircraft Systems* (ICUAS), making it the flagship technical conference in unmanned aviation, internationally; ii.) Contribute to pushing forward the frontiers of unmanned aviation leading to the next generation of autonomous systems, and to full integration of unmanned aviation into the national airspace system; iii.) Contribute to educating students, researchers, scientists, engineers, end users and practitioners, as well as the general public.

ACTIVITIES

 organizes annual conferences, workshops, tutorials and technical meetings, all related to unmanned aviation and unmanned systems.

ICUAS offers short-courses, seminars and briefings to scientists, engineers, academics, industry and the private sector, researchers, practitioners and end users who are interested in learning and improving their knowledge in unmanned aviation.

ICUAS publishes annually the conference technical proceedings with findings and results of technical papers that register the state-of-the-art in unmanned aviation.

ICUAS publishes on an 'as needed basis' highly technical research monographs in topics of interest in unmanned aviation.

ICUAS is a strong advocate and plays a key role in improving safety and reliability of unmanned aviation for the benefit of society.

ICUAS advocates and supports the need for regulations for the UAS toy-industry to protect society from accidents.

ICUAS aims to:

- Benefit students, academics, researchers, scientists, engineers, practitioners, end users and the public.
- Contribute to advancing higher education.
- Advance the state-of-the-art in unmanned aviation.
- Contribute to developing the next generation of unmanned systems.
- Educate society and increase societal awareness about the wide spectrum of civilian and public domain applications of unmanned aviation.

ICUAS'20

The 2020 *International Conference on Unmanned Aircraft Systems*, **ICUAS '20**, will be held for the first time outside the U.S., in Athens, Greece. The conference presents a unique opportunity to meet, interact and shape the future of unmanned aviation. For details, visit <http://www.uasconferences.com> and related links.



Athens is a metropolitan and cosmopolitan city, the capital of Greece, the birthplace of Democracy, and home to the world-renowned Acropolis and Parthenon, where visitors can walk safely and enjoy the rich, almost 5,000-year-old history it offers.

The conference major themes are: integration of manned-unmanned aviation into the national airspace, legal, ethical and privacy issues, regulations, benefits of unmanned aviation to society, UAS/RPAS design for safety, reliability and resilience, and technology standards, all contributing to building high-confidence 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. The next generation of UAS/RPAS is expected to be used for a wide spectrum of civilian and public domain applications.

Challenges to be faced and overcome are many, including the topics of interest listed below. Innovative solutions to these challenges will pave the way towards full integration of UAS/RPAS with manned aviation and into the respective national airspace.



The conference 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 deadline for full paper submission is February. Paper format should follow IEEE guidelines and electronic submission will be handled through PaperCept, all details are available on the conference web site, <http://www.uasconferences.com>. Submitted papers will undergo a peer review process following IEEE rules and policies. Accepted papers will be included in the Conference Digital Proceedings, and they will appear on IEEE Xplore.

The conference venue is the luxurious Divani Caravel Hotel, <http://divanicaravelhotel.com>.

Note that conference early registration for non-authors is open. Go to <http://www.uasconferences.com> and follow the shown steps.

CONTACT US

For any information, feedback, membership, you may contact us as follows:

ICUAS Association, Inc.

80 S. Jackson Street

Denver, Colorado 80209

Phone: +1.3038626548 | Cell: +1.3037183097

Email: kvalavanis@gmail.com,

president@icuas.com,

fragkedaki@gmail.com

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