The 2019 International Conference on Unmanned Aircraft Systems, ICUS’19, will be held on June 11-14, in the Atlanta Marriott Buckhead Hotel and Conference Center, https://www.marriott.com/atlbc, which is situated in a supreme location in the heart of Atlanta. June 11 will be a Workshop/Tutorial day, followed by a three-day technical Conference on June 12-14. Judging from the interest ICUS has drawn over the past eight years and its growth, ICUS’19 is expected to continue on this path and attract the highest number of participants from academia, industry, federal and state agencies, government, the private sector, users, practitioners and engineers who wish to be affiliated and contribute technically to this highly demanding and evolving and expanding field. Details can be found at http://www.uasconferences.com and related links.

Information about the Association may be found at www.icuas.com. The main themes of ICUS’19 will be: **design for trusted and assured autonomy, metrics for autonomy, and design for resilience.** These focus area topics are center-stage in the attempt to design and build high-confidence UAS/RPAS. In addition, ICUS’19 will include a separate track on regulations, policy, legal and ethical issues that are essential for allowing for integration of UAS/RPAS in the national airspace. National and international organizations, agencies, industry, military and civilian authorities are working towards defining roadmaps of UAS/RPAS expectations, technical requirements and standards that are prerequisite to their full utilization, as well as legal, policy and ethical issues. 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 include, among others, see-and-avoid systems, robust and fault-tolerant flight control systems, payloads, communications, levels of autonomy, manned-unmanned swarms, network-controlled swarms, as well as challenges related to policies, procedures, regulations, safety, risk assessment, airworthiness, certification issues, operational constraints, standardization and frequency management, all of paramount importance, which, coupled with ‘smart’, environmentally friendly cutting edge technologies will pave the way towards full integration of UAS/RPAS with manned aviation and into the respective national airspaces.

ICUS’19 aims at bringing together different groups of qualified military and civilian representatives worldwide, organization representatives, 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. Conference topics include:

- **Airspace Control**
- **Airspace Management**
- **Ainworthness**
- **Autonomy**
- **Biologically Inspired UAS**
- **Certification**
- **Control Architectures**
- **Energy Efficient UAS**
- **Environmental Issues**
- **Fail-Safe Systems**
- **Frequency Management**
- **System Design**

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**PAPER SUBMISSION**
Papers must be submitted electronically. Go to https://controls.papercept.net. Click on "Submit a Contribution to ICUS’19" and follow the steps. The paper format must follow IEEE paper submission rules. Submitted papers should be classified as *Contributed*, *Directed* or *Invited* Session papers. The maximum number of pages for a contributed/directed paper submission is 10, and for a poster paper is 6. Accepted, contributed/directed invited papers only, will be allowed up to two additional pages for a charge of $100 per additional page. Illustrations and references are included in the page count. Poster papers will allow for researchers/practitioners to present novel/innovative ideas with potential, however, not fully developed. *Invited Sessions*: Proposals must be submitted/uploaded electronically. A Summary Statement describing the motivation and relevance of the proposed session, paper titles and author names must be uploaded by February 26, 2019. Authors must also submit full versions of invited papers electronically, marked as ‘Invited Session Paper’. Workshops/Tutorials: Proposals for workshops/tutorials should contain title, the list of speakers, and extended summaries (2000 words) of their presentations. Proposals must be sent by early March to the Tutorial Workshop Chair by February 12, 2019.

**February 26, 2019:** Full Papers/Invited Papers/Tutorial Proposals Due

**April 15, 2019:** Acceptance/Rejection Notification

**May 10, 2019:** Upload Final, Camera Ready Papers; Early Registration Deadline