

2022 IEEE International Conference on Unmanned Systems

Call for Papers



IEEE ICUS 2022

2022 5th IEEE International Conference on Unmanned Systems (IEEE ICUS 2022), sponsored by IEEE Guangzhou Section, and Chinese Institute of Command and Control(CICC), organized by Sun Yat-sen University, Technical Committee on Unmanned Systems of CICC, Technical Committee on Swarm Intelligence and Cooperative Control of CICC, Technical Committee on Air Multi-agent Cooperative Control of CICC, will be held from **October 14 to 16** in **Guangzhou**, China.

About the Conference

ICUS aims to provide an academic and technological exchange platform for scientists, engineers and practitioners over the world to discuss the latest academic and technical issues related to unmanned systems.

Chinese Institute of Command and Control is dedicated to making ICUS into an internationally renowned top academic conference. So far, ICUS has been held four times successfully in 2017, 2019, 2020 and 2021 respectively. All four previous conference proceedings have been included in IEEE Xplore Digital Library and indexed by EI.

Best papers of the conference will be recommend to be published in

such **SCI journals** as *Chinese Journal of Aeronautics* (IF: 2.769), *Sensors* (IF: 3.576), *Applied Sciences* (IF: 2.679), *Electronics* (IF: 2.397), *Drones* and ESCI journal of *Robotics*.

Topics of Interest

Topics of interest include, but are not limited to:

- ✦ Unmanned space system
- ✦ Unmanned aerial system
- ✦ Unmanned ground system
- ✦ Unmanned surface system
- ✦ Unmanned underwater system
- ✦ Robotic system
- ✦ Bionic unmanned system
- ✦ Antagonistic game for unmanned systems
- ✦ Unmanned system dynamics
- ✦ Unmanned driving
- ✦ Anti-unmanned system technology
- ✦ New concept unmanned system
- ✦ Unmanned system security and protection
- ✦ Unmanned system modeling and simulation
- ✦ Unmanned system navigation and path planning
- ✦ Networks and communications for unmanned system
- ✦ Multi-source information fusion for unmanned system
- ✦ Human-computer interaction for unmanned system
- ✦ Cooperation between manned and unmanned systems
- ✦ Artificial intelligence and its application in unmanned systems
- ✦ Unmanned System Application in such fields as agriculture, public security, traffic, disaster mitigation and relief, etc.

Important Dates

Deadline for manuscript paper submission:	July 1 July 20 , 2022
Notification of acceptance:	August 20, 2022
Submission of camera-ready:	September 5, 2022
Deadline for early bird registration:	September 20, 2022
Conference:	October 14-16, 2022

Writing Requirements

I. Full Paper

1. Prospective authors must write full papers using the IEEE templates (Microsoft word A4 or LaTeX) given on the conference website.
2. Full papers should describe original, unpublished research results on the above or related topics.
3. Each Full paper had better not exceed 6 pages, including tables, figures and references, otherwise it will be additionally charged for extra pages.
4. Multiple submission and plagiarism are prohibited. All full papers will be submitted to IEEE CrossCheck for plagiarism check, and the similarity should not exceed 15% (bibliography excluded).
5. It is the author's responsibility to make sure that the submitted paper does not contain any confidential and/or sensitive contents.

II. Extended Abstract

1. The primary purpose of extended abstract is to share excellent research results at the conference, and even published content can be submitted.
2. Authors should write extended abstracts in English using the corresponding template given on the conference website.
3. An extended abstract should not exceed 4 pages.

Submission and Publication

1. Both full papers and extended abstracts should be submitted through the conference online submission system before ~~July 1~~ **July 20**, 2022.
2. After registered and presented at the conference, accepted full papers will be included in the conference proceedings, submitted to IEEE Xplore for inclusion and being indexed by EI.
3. After registration, accepted extended abstracts can also be presented at the conference, but their copyrights will not be transferred, and they will not be included in the conference proceedings. Nor will they be submitted to IEEE Xplore and being indexed by EI.
4. Standard of registration fee for extended abstract is the same as that for full paper.

For more information, please visit our conference website:

<https://icus2022.c2.org.cn>

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E-mail: icus@c2.org.cn