



International Conference on AeroSpace Science and Technology 2023

Call for Papers

The committee of the International Conference on Aerospace Science and Technology (ICASST) 2023 invites researchers, professionals and students to present their scientific research work in the form of an oral or poster presentation.

General information

ICASST 2023 is a scientific forum for the dissemination of basic research and/or technological development projects, which allows interaction between professionals, academics and industrialists, promoting scientific-technological collaborations in the aerospace field and related areas. The program includes oral and mural (poster) presentations, keynote lectures given by widely recognized national and international experts in their area, as well as courses/workshops. The conference will be held in a hybrid way, face-to-face/virtual.

ICASST 2023 venue will be Mexico City, Mexico. The specific address will be later disclosed, so keep in contact. The face-to-face modality will take place as long as sanitary conditions allow it.

The list of topics include, but are not limited to:

- Ablative materials
- Additive manufacturing
- Advances in ground station technology
- Advances in hydro-lox, metha-lox and kero-lox
- Advances in onboard computing
- Aeroelastic instability
- Aeronautical and space engineering
- Aerospace automatic control
- Aerospace communications systems
- Aerospace metal alloys
- Aerospace project management
- Classical and quantum algorithms for aerospace applications
- Artificial Intelligence (AI) in the aerospace field
- Astrobiology
- Autonomous navigation systems
- Combustion chamber design
- Combustion instability
- Composite material manufacturing
- Composite materials for aerospace applications
- Cubesat technology
- Design and integration of satellite technology
- Development and tests of space exploration vehicles
- Development of novel aerospace fuels
- Engineering and materials science
- Geointelligence
- Geophysics/geology of celestial bodies
- High performance batteries
- High temperature ceramic materials
- Instrument design for remote sensing
- Instrument design for the study of Earth
- Instrument design for the study of the electromagnetic spectrum
- Instrument design for the study of the Sun
- Instrument design solar system and deep space exploration
- Ionic propulsion
- Manipulators for space applications
- Mathematical modeling and simulation of aerospace systems
- Mega constellation engineering
- Mega constellations and astronomical disruption
- MicroElectroMechanical Systems (MEMS)
- Microgravity
- Moon and Mars exploration
- Multidisciplinary Design Optimization (MDO)
- Multi-objective optimization in engineering
- Numerical methods applied to aerospace science and technology
- Onboard high-performance computing
- Orbital mechanics
- Outer space law
- Quantum computing for aerospace development
- Radiation resistant hardware
- Remote sensing
- Shock waves
- Space debris mitigation
- Space law studies
- Space manufacturing (microgravity or ZeroG manufacturing)
- Space medicine
- Systems' engineering for aerospace projects
- Technology transfer to Aerospace sector in developing countries
- Turbomachinery design

Important dates

<i>Paper Submission:</i>	June 04, 2023 August 14, 2023
<i>Acceptance notification:</i>	July 16, 2023 October 01, 2023
<i>Camera-ready:</i>	July 30, 2023 October 16, 2023
<i>Notification of presentation's date and time:</i>	September 01, 2023 November 05, 2023
<i>Conference celebration:</i>	November 19-24, 2023

Guide for authors

Selected papers will be published in [***IOP Journal of Physics: Conference Series \(JPCS\)***](#) which is indexed in the Conference Proceedings Citation Index—Science (CPCI-S) (Clarivate, Web of Science) and in Scopus, *among others*. Manuscripts should be prepared as follows:

1.- Only the articles received through the Morresier virtual platform at www.icasst.org on the dates herein established will be considered for peer-review. Authors should indicate if they prefer oral or poster sessions (however, the Committee reserves the right to assign the exposition modality if necessary). Authors must also disclose whether they should present virtually or in the face-to-face format.

2.- The received manuscripts will be subject to a double-blind review. Articles should be prepared according to the templates published in the webpage of ICASST 2023. The manuscripts sent for peer-review should not feature authors, affiliations, acknowledgements or any information that may disclose the identity of authors. However, authors should send their data through the virtual platform for registration purposes (and will not be given to anonymous reviewers).

3.- Manuscripts do not have a page or word limit and must abide the [*Journal's author guidelines*](#) which can be found in the following link.

<https://publishingsupport.iopscience.iop.org/author-guidelines-for-conference-proceedings/>

The general structure of the conference manuscripts must follow the subsequent points in addition to the mentioned guidelines.

- Title
- Author name(s) (for the accepted version after the double-blinded peer review process)
- Affiliation(s) (for the accepted version after the double-blinded peer review process)
- Introduction
- Materials and methods
- Results
- Discussion
- Conclusions
- Acknowledgements (optional, for the accepted version after the double-blinded peer review process)
- References

Some aspects to consider for the manuscripts are the following:

- The article must not have been previously published.
- Submitted manuscripts must be original. A maximum similarity percentage of 20% will be allowed, as long as it is not highly concentrated in certain paragraphs of the manuscript. Larger percentages of similarity will be allowed only at the discretion of the reviewers.
- Authors must ensure their permission to reproduce in electronic, and print form any copyright materials to be included in the manuscript¹ before sending them for peer-review.

A corresponding author must be designated, who must send the article via the virtual platform.

4.- The dictum of the submitted work will be informed through e-mail to the corresponding author. In the case of acceptance, authors should make the requested changes by the anonymous reviewers, and commit to sending the camera-ready version on the indicated date.

5.- In order to present the work in the conference (in virtual or hybrid mode) and appear in the conference proceedings, at least one of the authors must register, pay the authors fee and present the work at the event.

Submission²

By submitting a paper, the author assumes to accept all of the terms of the *Proceedings Publication Licence* provided by the Journal. For the avoidance of doubt, the submitting author shall be deemed to be agreeing to all of the terms of the *Proceedings Publication Licence* on their own behalf and on behalf of all their co-authors.

Such licence details may be found in the official ICASST 2023 web page or in the following link:

<https://publishingsupport.iopscience.iop.org/author-guidelines-for-conference-proceedings/#iop-proceedings-licence>

Submissions are received only through the Morresier virtual platform announced at www.icasst.org.

Contact

For further information about the event, you can visit the official website,

www.icasst.org

or you can request information via email

contact@icasst.org

icasst@ipn.mx

¹ Failure to obtain such copyright permissions can result in significant delays of publication, and/or the withdrawal of the submitted manuscript from the published work.

² *The actual publisher may reserve the right to publish the Work at a later date if the complete Work is not delivered to the Publisher by the Submission Date, or if the Work is, in part or as a whole, not prepared as specified in the guidelines.*