



33rd Annual **INCOSE**
international symposium

hybrid event

Honolulu HI USA

Call for
Submissions



The INCOSE International Symposium is the premier international forum for systems engineering and systems approaches attracting a global audience ranging from novice practitioners to industry leaders. We seek a blend of papers, presentations, panels, and tutorials that reflect experiences, trends, issues, and innovations that advance practices and theory that will engage the symposium participants in active discussions.

Domains of application include but are not limited to:

- Automation and Smart Cities
- Aerospace and Defense
- Cybersecurity
- Education & Training
- Energy and Environment
- Healthcare and Biomedical
- Information & Technology
- Socio-economics
- Sustainable Technologies
- Transportation and Automotive

Emphasis areas include but are not limited to:

- Agile, Iterative, and Lean
- Autonomous Systems
- Critical Infrastructure
- Digital Engineering
- Emerging Technologies
- Engineering Management
- Global Environmental Sustainment
- Industry 4.0 and Society 5.0
- Innovative Approaches
- Systems of Systems (SoS)
- Systems Modernization
- Systems Resilience, Reliability, Safety
- Systems Security Engineering
- Socio-economic Sustainment

Submitters should keep in mind that symposium participants span a wide range of experience and competencies and are encouraged to appeal to the greater audience.

This symposium will have both in person presentations and virtual presentations. When submitting works (paper, presentation only, panels, or tutorial), the submitter will specify whether they will present the material in person or virtually.

Key Dates

All Submissions Due
Notification of Acceptance
Authors Acceptance to Present
Final Submission Due

December 14, 2022
February 20, 2023
March 31, 2023
April 30, 2023

Note: Submission review will start the day after the submissions due date. Therefore, no late submissions can be accepted.



Call for Papers

INCOSE encourages authors to submit high quality, close-to-final draft papers addressing systems engineering focused around the key domains and emphasis areas above. Ideally, a draft paper should cover the full scope of the issue. Academic papers should cover from theory to theory validation, although papers presenting research proposals coupled with initial results will also be considered. Practice-focused papers should include problem space and approach through implementation.

Submitters must use the INCOSE Paper Template to prepare papers. The close-to-final papers need to be submitted in English using the EasyChair submission site for Papers at easychair.org/conferences/?conf=is2023papers. Papers must be original work that has not previously been published. Joint authors must nominate a single point of contact. Papers that do not conform to the Preparation Guidelines and Paper Template found at www.incose.org/symp2023/downloads may be rejected without review.

Each draft paper will be reviewed by at least 3 members of the INCOSE review team, and judged on a range of parameters, specified in the Evaluation Criteria found at www.incose.org/symp2023/downloads. Accepted papers will be presented at the Symposium and will be published in the Proceedings of the Symposium and in the INCOSE Papers and Presentations Library.

Note: Submitted papers must specify whether the presentation will be in person or virtual. Accepted paper presenters are required to register and attend IS2023; please see website for registration costs.



Call for Presentations

Presentations provide the opportunity for practitioners to share their work, novel approaches, or interesting problems addressed without writing a formal paper. INCOSE encourages authors to submit detailed abstracts for high quality presentations addressing systems engineering focused around the key domains and emphasis areas above. Sessions are 40 minutes: 30 minutes for presentation with 10 minutes for Q&A.

Initial submissions for presentations includes an abstract of no more than 1000 words and should be submitted using the submission site for Presentations at easychair.org/conferences/?conf=is2023presentations. The submission should include the following elements:

- An overview of the topic
- Clearly identify specific related industries
- Provide what the audience will take away from the presentation
- Provide background on the presenter and his/her qualifications to provide the talk.

Each abstract will be reviewed by at least 3 members of the INCOSE review team, and judged on a range of parameters specified in the Evaluation Criteria. The Preparation Guidelines and the Evaluation Criteria for presentation abstracts can be found at the symposium website: www.incose.org/symp2023/downloads.

Once selected, the submitters must use the INCOSE Presentation Template to prepare presentations for the final submission. The final presentation needs to be submitted in English using the EasyChair submission site for Presentations at easychair.org/conferences/?conf=is2023presentations. Presentations must be original work that has not previously been published. Joint authors must nominate a single point of contact. Presentations that do not conform to the Preparation Guidelines and Presentation Template found at www.incose.org/symp2023/downloads may be rejected without review.

Please note that accepted presentations will be posted on the INCOSE Paper and Presentation Library but are not included in the Proceedings of the Symposium nor in the Wiley Online Proceedings Library.

Note: Submitted presentations must specify whether the presentation will be in person or virtual. Accepted presenters are required to register and attend IS2023; please see website for registration costs.



Call for Panels

For the International Symposium, the term panel broadly refers to a session of more than two individuals that is not accompanied by a formal paper. This may take the form of a traditional panel, a roundtable discussion, an open forum, or a debate. Panels should be either in person or virtual – no hybrid panels will be accepted.

Proposals for panels must be submitted to the panel submission site at easychair.org/conferences/?conf=is2023panels according to the Preparation Guidelines at www.incose.org/symp2023/downloads on the symposium website.

For accepted panels, the point of contact is required to provide the information required in the Preparation Guidelines. Note that for all panel sessions, the moderator is responsible for ensuring that the content of the panel stays relevant and professional.

Each submittal will be reviewed by at least 3 members of the INCOSE review team. The evaluation criteria for Panel proposals can be found at the symposium website www.incose.org/symp2023/downloads.

Note: Submitted panels must specify whether the panel will be fully in person or fully virtual. Panelists for accepted panels are required to register and attend IS2023; please see website for registration costs.



Call for Tutorials

Tutorial proposals for the following types of classroom instruction will be considered:

- Professional Development Tutorial: intended for both practicing systems engineers who want to expand their systems engineering skills and seasoned professionals who are new to INCOSE concepts of systems engineering. It is important not only to instill in the tutorial participants a new skill, but also to make it clear how that skill can add real value to the participant's enterprise.
- Advanced Technology Tutorial: intended for practicing systems engineers. This introduces new technologies with potential to add real value to systems engineering practice although that potential has not yet been demonstrated.
- Best Practices Implementation: intended for practicing systems engineers who are interested in understanding how to apply systems engineering best practices with a domain-specific emphasis.

The proposal must not contain a sales presentation for the presenter or the presenter's company, and shall not contain proprietary data. All submissions must follow the Preparation Guidelines on the symposium website at www.incose.org/symp2023/downloads. The Tutorial Submission website is: easychair.org/conferences/?conf=is2023tutorials

If a tutorial is selected for inclusion in the Symposium, then one presenter will be eligible for a discounted event registration rate; however, this does not include the annual INCOSE membership fee, or any other expenses. A tutorial agreement, which includes financial and cancellation agreements, is available for review on the symposium website at www.incose.org/symp2023/downloads.

Each tutorial submittal is reviewed by at least 3 members of the INCOSE review team. Evaluation Criteria are found on the symposium website www.incose.org/symp2023/downloads.

Note: Submitted tutorials must specify whether the tutorial will be in person or virtual. Accepted presenters are required to register and attend IS2023.