



# 31<sup>st</sup> Annual INCOSE international symposium July 17 to 22, 2021

## Call for Submissions

The INCOSE International Symposium is the premier international forum for systems engineering and systems approaches. Participants network, share ideas, knowledge and practices, and learn more about the most recent innovations, trends, experiences and issues in all aspects of systems engineering from world-class thought leaders in the field.

The theme for the INCOSE International Symposium 2021 is:

### Accelerating through Adversity

The global pandemic has resulted in unexpected disruptions of many systems. Systems are increasingly expected to rapidly respond to changes in an uncertain environment. This expectation has posed complex societal and technical challenges to be overcome. In tune with this context, INCOSE encourages submissions with particular emphasis on:

### Resilience, Sociotechnical Systems, and Engineering of new technologies in complex systems

**Domains** include but are not limited to:

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

**Emphasis Areas** include but are not limited to:

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

## Key Dates

Paper, Panel, Tutorial Submission  
Notification of Acceptance  
Final Paper, Panel, Tutorial Submission

**November 22, 2020**  
**February 21, 2021**  
**March 21, 2021**



# Call for Papers

INCOSE encourages authors to submit high quality, close-to-final draft papers addressing systems engineering focused around the key themes 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. Papers that provide insight into critical applications of systems engineering that address complex socio-technical problems will align well with the conference theme.

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 <https://easychair.org/conferences/?conf=is2021papers>. 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/symp2021/downloads](http://www.incose.org/symp2021/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/symp2021/downloads](http://www.incose.org/symp2021/downloads). Accepted papers will be presented at the Symposium and after presentation will be published in the Proceedings of the Symposium and in the INCOSE Papers and Presentations Library.

**Note:** Accepted paper presenters are still required to register for IS2021; please see website for registration costs.





# Call for Panels/ Roundtables

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. Proposals for “panels” must be submitted to the Panel submission site at <https://easychair.org/conferences/?conf=is2021panels> according to the Preparation Guidelines at [www.incose.org/symp2021/downloads](http://www.incose.org/symp2021/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/symp2021/downloads](http://www.incose.org/symp2021/downloads).

**Note:** Accepted panel panelists are still required to register for IS2021; 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/symp2021/downloads](http://www.incose.org/symp2021/downloads). The Tutorial Submission website is: <https://easychair.org/conferences/?conf=is2021tutorials>

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/symp2021/downloads](http://www.incose.org/symp2021/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/symp2021/downloads](http://www.incose.org/symp2021/downloads).

Tutorial presenters are compensated for their work through a complimentary registration for the Symposium.

IS2021 Team  
[www.incose.org/symp2021](http://www.incose.org/symp2021)