



30th Annual **INCOSE**
international symposium

Cape Town, South Africa
July 18 - 23, 2020

Call for Submissions

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

The theme for the INCOSE International Symposium 2020 is:

Systems Engineering for Earth's Future

Uniting Technology and Grand Challenges through Systems Engineering

INCOSE appreciates all submissions on systems engineering, with particular emphasis on:

Developing and Evolving Complex Sociotechnical Systems with reference to UN Sustainable Development Goals

<https://www.un.org/sustainabledevelopment/sustainable-development-goals/>

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
- Socio-economics

Emphasis Areas include but are not limited to:

- Critical Infrastructure
- Digital Engineering
- Emerging Technologies
- Engineering Management
- Innovative Approaches: Agile, Iterative and Lean
- Industry 4.0
- 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	November 17, 2019
Notification of Acceptance	February 16, 2020
Paperless Presentation Abstract Submission	February 16, 2020
Paperless Presentation Acceptance	March 15, 2020
Final Paper, Panel, Tutorial Submission	March 15, 2020

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=is2020>. 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/symp2020/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/symp2020/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 IS2020; 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=is2020panels> according to the Preparation Guidelines at www.incose.org/symp2020/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/symp2020/downloads.

Note: Accepted paper presenters are still required to register for IS2020; 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/symp2020/downloads.

The Tutorial Submission website:
<https://easychair.org/conferences/?conf=is2020tutorials>

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/symp2020/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/symp2020/downloads.



Call for (Paperless) Presentations

Paperless presentations (or just “presentations”) provide the opportunity for practitioners to share their work, novel approaches, or interesting problems addressed without writing a formal paper. Sessions are 40 minutes: 30 minutes for presentation with 10 minutes for Q&A.

Submissions for presentations consist of an abstract of no more than 1000 words and should:

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

Each submittal will be reviewed by at least 2 members of the INCOSE review team. The Preparation Guidelines and the Evaluation Criteria for Paperless Presentation abstracts, can be found at the symposium website www.incose.org/symp2020/downloads.

The Paperless presentations Submission website:

<https://easychair.org/conferences/?conf=is2020presentations>

Please note that accepted presentations are not included in the Proceedings of the Symposium and in the Wiley Online Proceedings Library. However, presentations will be posted on the INCOSE Paper and Presentation Library.

Note: Accepted paper presenters are still required to register for IS2020; please see website for registration costs.

