



28th annual **INCOSE**
international symposium

Washington, DC, USA
July 7 - 12, 2018

Call for Papers, Panels & Tutorials

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 2018 is:

Delivering Systems in the Age of Globalization

INCOSE appreciates all submissions on Systems Engineering, with particular emphasis on:

Understanding and appreciating threats and risks in complex environments

Domains

- Automation & Smart Cities
- Aerospace and Defense
- Cybersecurity
- Energy & Environment
- Healthcare and Biomedical
- Sustainable Technologies
- Transportation & Automotive

Emphasis Areas include but are not limited to:

- Critical Infrastructure
- Emerging Technologies
- Engineering Management
- Innovative Approaches: Agile, Iterative and Lean
- Internet of Things (IoT)/ Cyberphysical systems
- System of Systems (SoS)
- System Modernization
- System Resilience, Reliability, Safety
- System Security Engineering
- System Sustainment

Key Dates

Submission deadline	10 th November 2017
Notification of acceptance and referee comments	16 th February 2018
Final Manuscript	30 th March 2018

Interested practitioners, researchers, managers and others in the field of Systems Engineering can create meaningful dialogues by sharing their knowledge through presentations and/or sessions during the Symposium. Paper, panel, roundtable and tutorial submissions are requested in accordance with the requirements given in this call for papers. Further information on these session types and their submission requirements can be found on the symposium website: www.incose.org/symp2018.

Call for Papers

INCOSE encourages authors to submit high quality, close-to-final draft papers addressing Systems Engineering focused around the key themes described earlier. Ideally a draft paper should cover the full scope from theory to full scale theory validation. However, papers just presenting research proposals coupled with initial results will also be considered.

The INCOSE Manuscript Template shall be used to prepare papers between 6 and 15 pages (including graphics, references and biography). The close-to final papers shall be submitted in English using the Online Submission Process and shall describe original work that has not previously been published. Joint authors shall nominate a single point of contact. Papers that do not conform to the submission instructions and manuscript template found at www.incose.org/symp2018 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. Papers shall include:

- Clarity of expression.
- Effective communication of ideas.
- Provide usable information or insight to enable INCOSE members to improve their application of Systems Engineering.
- Provide innovative and novel techniques that enhance the execution and effectiveness of Systems Engineering in multiple industries and domains.

Full evaluation criteria can be found on the symposium website. Accepted papers will be published in the Proceedings of the Symposium and in the Wiley Online Proceedings Library. See www.incose.org/symp2018 for more information.



Call for Panels/Roundtables

Proposals for panels or roundtables must use the corresponding template, be in MS Word 2003 or later format, and be submitted according to instructions on the symposium website.

The following requirements and constraints apply for developing your proposal:

- The session shall focus on a topic of interest to the Systems Engineering community.
- Participants may include policy makers and leading authorities from within and outside the INCOSE community.
- The proposal shall specify the session facilitator(s), who shall be the proposal point of contact.
- Sessions are 1 hour 30 minutes to 2 hours in length.
- The proposal shall specify the topic(s), relevant sector/enabler area and lead participants, outline the themes that will be presented, and abstract.
- Session logistic requirements including facilities, media and supporting materials must be covered within the proposal.
- **For Panel sessions:**
 - Dedicate at least half the session time to discussions and audience interaction.
 - Provide at least two contrasting/opposing viewpoints or positions.
 - Include a one-page draft position statement and bio from each panelist.
- **For Roundtables:**
 - Include the purpose, target audience and format of the Roundtable.

For accepted panels/roundtables, the lead facilitator is required to provide the information described above, selected elements of which will be published in the Symposium Proceedings.

Each submittal will be reviewed by at least 3 members of the INCOSE review team. The evaluation criteria for Panel and Roundtable proposals can be found at the symposium website www.incose.org/symp2018.



Call for Tutorials

Tutorial proposals for the following types of classroom forums 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 following requirements and constraints apply for developing your proposal:

- The tutorial needs to be either Half Day (4 hrs) or Full Day (6-8 hrs) classroom format.
- The tutorial shall contain appropriate student exercises and interactions.
- The presenter(s) (up to a maximum of 2 per tutorial) shall document his/her expertise in the domain, and experience as a lecturer.
- The tutorial shall not contain a sales presentation for the presenter or the presenter's company, and shall not contain proprietary data.
- The tutorial proposal shall explain the value of the tutorial to the attendees, follow the tutorial proposal template, be in MS Word 2003 or later format, and submitted according to the instructions on the symposium website.

The tutorial presentation shall be in electronic form based upon Microsoft PowerPoint 2003 or later. If a tutorial is selected for inclusion in the symposium, then the presenter(s) 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, will be forwarded at the time of acceptance notification.

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/symp2018.

