



37th Annual INCOSE International Symposium

Omni Shoreham Hotel • Washington, D.C. • July 17–22, 2027

CALL FOR SUBMISSIONS

Theme: Architecting Intelligence: Engineering Complex Systems

IS 2027 convenes the global systems engineering community at a critical inflection point. Intelligent technologies are reshaping every domain—from autonomous platforms and cyber-physical systems to digitally integrated enterprises and human-machine teaming environments. Systems engineers are no longer just building systems; we are architecting intelligence itself.

We invite practitioners, researchers, educators, students, and interdisciplinary collaborators to share how systems engineering principles, methods, and leadership must evolve to meet this challenge—and to shape the discipline’s future together.

There’s a Place for You at IS 2027

IS 2027 welcomes contributions from across the full breadth of systems engineering and adjacent disciplines—whether you work in AI and autonomy, digital engineering, resilience, human systems integration, sustainability, education, defense, healthcare, infrastructure, or any domain where systems thinking drives impact.

We especially encourage submissions that bridge disciplinary boundaries, connect theory with practice, and bring perspectives from communities not traditionally represented in systems engineering forums.

INCOSE Working Groups, Initiatives, and Communities of Interest covering more than 50 technical areas provide a natural home for your work. [View the full list at incose.org/working-groups](https://incose.org/working-groups). A sample of topics we would like to see:

- Autonomous and Adaptive Systems
- Cyber-Physical and Software-Intensive Systems
- Systems of Systems and Federated Architectures
- Intelligent Decision Support and Operational Analytics
- Complex Sociotechnical Systems
- Systems Thinking and Applied Systems Science
- Ecosystem Science and Systems-Oriented Sustainability
- Systems Engineering Education
- Digital Twins and Simulation-Driven Engineering
- Agile, Lean, and Iterative Systems Engineering
- Design Theory for Systems Engineering
- Interdisciplinary Systems Research and Practice
- Real-World Industry Applications of Systems Approaches



Types of Submissions

All submissions must address original, previously unpublished work.

Papers	Formal papers (max 7,000 words) presenting rigorous research or practitioner experience. Accepted papers are published in the Symposium Proceedings. The highest quality papers will be fast tracked for publication in the Systems Engineering Journal (academic submissions) and the new INCOSE Application and Case Studies Journal (practitioner submissions).
Presentations	Extended abstracts (max 1,000 words) for practitioners sharing work in progress, novel approaches, or open problems—no formal paper required.
Panels	Interactive sessions (roundtables, debates, fireside chats) exploring complex or unsettled SE topics with three or more participants.
Tutorials	Classroom-style sessions on professional development, advanced technologies, or SE best practices.

Key Dates

Milestone	Date
Submissions Due	11 January 2027
Submission Notifications Sent	5 March 2027
Author Acceptances Due	19 March 2027
Presenter Registration Deadline	30 April 2027

All accepted presenters must register and attend IS 2027 in person.

