Eighth Annual INCOSE Western States Regional Conference (WSRC)

Hosted by the Seattle Metro Chapter of the International Council on Systems Engineering (INCOSE)

Systems Engineering: The Blueprint for Everything

INCOSE welcomes you to our 8th annual Western States Regional Conference (WSRC) in Seattle, Washington!

11-13 September 2025 (tentative)
UW - Bothell (tentative)
https://www.incose.org/events/2025-wsrc

Call for Submissions

In an increasingly interconnected world, Systems Engineering serves as the foundation that links diverse industries, technologies, and disciplines. From infrastructure and healthcare to finance, defense, and emerging technologies, every field relies on the seamless integration of complex systems to drive innovation, efficiency, and security.

This year, we highlight the critical role of Systems Engineering in shaping the future—bringing together experts to explore its impact across industries. Whether in Project Management, Quality Management, Human Systems Integration, or beyond, professionals from all sectors are invited to share their insights and experiences.

Join us for an engaging and thought-provoking event that showcases how Thinking in Systems is the common thread weaving together the challenges and solutions of our modern world.

Systems Engineering plays a vital role in shaping the complex systems that drive our world, from technology and infrastructure to social and environmental networks. We invite contributions from a wide range of industries, including Aerospace and Defense, Transportation, Healthcare and Biomedical Sciences, Public Planning, Social Systems, and Environmental Sustainability. We especially encourage innovative and emerging applications that push the boundaries of Systems Engineering, demonstrating its evolving impact across disciplines.

As with past conferences, WSRC 2025 is seeking submissions for Presentations and Tutorials. These formats are a great opportunity to share and discuss on-going work, novel approaches, instruction and interesting challenges.

For WSRC 2025 we are adding a Full Paper option. Authors desiring formal, technical paper feedback, and a reference-able publication in the Proceedings of the INCOSE Regional Conferences, may submit a full-length, original paper. **In addition**, select full-length papers will be offered a Fast-Track to publication in the SE Journal. Papers selected for the Fast-Track are considered as having passed the initial review for publication.

Agenda topics include:

Digital Transformation	Critical Infrastructure	Sustainability

Cross-Domain Solutions	Information Communications Technology (ICT)	Cyber Security
Systems Reliability & Resiliency	Systems Engineering Education	Innovation
Systems Engineering & Agile	SE in Early-Stage Research and Development	Prototyping and Deployment
Human Systems Integration	Artificial Intelligence (AI) Opportunities and Risks	Machine Learning Models and Uses in SE
Operational Technology (OT)	Case Studies (Experience of Success and Failure)	Energy Management
Clean Energy	System of Systems	Safety Management

Call for Presentations

Presentations provide the opportunity for practitioners to share their work, novel approaches, or interesting problems addressed without writing a formal paper. We encourage authors to submit detailed abstracts for high quality presentations addressing challenges in 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 https://easychair.org/conferences/?conf=wsrc25. The submission should include the following elements:

- Authors: all involved authors (only the presenting author gets a discount)
- Title: "Presentation:" Title of presentation
  - Must include the word "Presentation:" in the Title field
  - Abstract: Summary of the topic. Include specific related industries or applications. Describe what the audience will take away from the presentation.
- Provide background on the presenter and his/her qualifications to provide the talk.
- Keywords: Include ~4-6 words to aid in searches.

Each abstract will be peer reviewed, and judged on key aspects: originality, topic relevance, technical soundness, and contribution to the practice of systems engineering. Presentations must not be used for the promotion of any commercial product or interest, and further must not promote or voice an opinion on political or religious matters Presentations must be original work that has not previously been presented to INCOSE (if it has been previously presented elsewhere, this should be noted). Joint authors must nominate a single point of contact. Presentations must use the presentation template (available in the downloads section of the WSRC 2025 webpage); if not used, the presentation may be rejected without review. Evaluation Criteria is contained in the Reviewer Evaluation Workbook template. Please note that accepted presentations will be posted on the INCOSE Paper and Presentation Library but are not included in the Proceedings of the Conference. The link will be provided to registered participants.

Call for Student Posters

Students in all phases of education are encouraged to submit abstracts for student poster presentation on WSRC 2025. We expect a range of undergraduate, masters, and doctoral-level submissions.

The student poster submission must include:

- Authors: all involved authors (only the presenting author gets a discount)
- Title: "Poster:" Title of poster
  - Must include the word "Poster:" in the Title field

- Abstract: Provide a summary of the poster topic. Describe the main points of the poster. Provide background on the poster presenter.
- Keywords: Include ~4-6 words to aid in searches.

Poster information must be submitted through EasyChair, https://easychair.org/conferences/?conf=wsrc2025 and use the poster template (available in the downloads section of the WSRC 2025 webpage).

Posters will be peer reviewed for topic relevance and technical soundness. Accepted posters are expected to be printed and presented in-person by the authors.

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.

Proposed Tutorials may be 2, 4 or 6 hours long.

The tutorial must not contain a sales presentation for the presenter or the presenter's company, and shall not contain proprietary data.

The Tutorial proposal submission website is:
https://easychair.org/conferences/?conf=wsrc2025

- Authors: all involved authors (only the presenting author gets a discount)
- Title: "Tutorial:" Title of tutorial
    - Must include the word "Tutorial:" in the Title field
    - Abstract: Include the topical outline, the Learning Objectives, and proposed duration. Include a brief biography of the presenter(s).
- Keywords: Include ~4-6 words to aid in searches.

If a tutorial is accepted, then one presenter will be eligible for a discounted event registration rate. No other compensation will be provided to the presenter. Each tutorial submittal is reviewed by at least 3 members of the INCOSE review team. Evaluation Criteria is contained in the Reviewer Evaluation Workbook template. Tutorials must use the presentation template (available in the downloads section of the WSRC 2025 webpage).

Key Dates (Presentations, Tutorials)

Abstract Submission Due	16 May 2025
Notification of Acceptance	27 June 2025
Final Presentation Due	22 August 2025

Call for Full Papers

Papers provide the opportunity for authors to detail their research or application contribution to the field of Systems Engineering. Papers fall into two categories: Regular and Review.

Regular Papers are a novel contribution that advances the state-of-the-art as a result of original research. Regular papers are focused on empirical investigations, so authors should state the questions addressed and their context relative to prior knowledge on the subject. They should present relevant theories, justify the research design decisions, and describe the research methods to permit an evaluation of their quality. The data must support the interpretation of the results. The conclusions should explain the significance of the results and implications for advancing systems engineering research or practice. Case studies based on practice in industry are also encouraged and published under this category. These papers are normally **10-15 published pages** in length or shorter.

Review Papers report on a literature survey, state-of-the-art survey, tutorial, or educational topic. Authors should clearly state the purpose, scope or research questions addressed by the review. These reviews should include a critical analysis, synthesis, or evaluation of previous research to provide new perspectives, a new knowledge structure, general conclusions or overarching principles, or new research

directions. Reviews should specify the type of review (systematic, meta-analytic approaches, or their variants) and include clear descriptions of the inclusion criteria, search strategies, and coding and analysis methods. Reviews should also address the quality of primary sources identified. An explanation of the significance of the insights that advance systems engineering research or practice should be provided. Reviews are normally **10-15 published pages** in length or shorter.

Key Dates (Full Papers)

Full Paper Submission	**16 May 2025**
Paper Comments returned	**1 July 2025**
Conference Presentation Due	**8 August 2025**
Final Paper Comments returned	**22 August 2025**
Author Corrections Due	**25 August 2025**
Conference Paper Due	**5 September 2025**
Post-conference corrections	**3 October 2025**

Papers to be published in the Proceedings of the Regional Conferences will be formatted for publication in October and expect to be published by December. Papers for the SE Journal will not be included in the Proceedings of the Regional Conferences.

To submit an Abstract or Full Paper use EasyChair: WSRC 2025 EasyChair
or copy+paste https://easychair.org/conferences/?conf=wsrc2025

Authors will receive feedback through WSRC 2025 EasyChair

As Systems Engineers, we have the opportunity to shape our world in exciting ways.
Be sure to think broadly about the implications of your outstanding work!
Presenters get a $50 discount on conference registration!

Stay in Touch! Contact seattle@incose.net to join our mailing list!

Questions? Contact us at wsrc@incose.net!

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