## **Systems Engineering Division**

The Systems Engineering Division (SED) promotes education in systems engineering, systems thinking, and systems science at all levels of education and for different delivery modes, including distance education, hybrid, and traditional classroom delivery. SED invites abstracts for papers and proposals for technical sessions, workshops, panel discussions, and distinguished speakers.

The Systems Engineering Division is looking for submissions that address one or more aspects of systems engineering education, including but *not* limited to:

- Systems thinking research, teaching approaches, and applications in SE or non-SE courses,
- Collaboration between SE educators and those in non-SE disciplines,
- Use of SE modeling, simulation, methods, and tools in SE and non-SE classrooms,
- Course development and/or curricular strategies, advancements, and lessons learned to foster SE integration,
- ABET/EAC accreditation for SE programs,
- Incorporating real-world SE challenges into the SE curriculum,
- Integration of Systems Engineering Education with Project-based learning approaches,
- Interdisciplinary capstone courses that include SE principles and processes,
- Case study of systems engineering leadership and systems engineering management-related programs and courses that encompass both the technical and professional competencies,
- Outreach and recruitment efforts to promote SE education and programs,
- Industry-academia collaborations and initiatives,
- Emerging trends: cyber security integration, artificial intelligence, sociotechnical systems, etc.,
- Use of generative artificial intelligence, such as ChatGPT and similar AI technologies, in SE teaching and learning,
- Integration of SE education across other engineering and non-engineering disciplines/domains,
- SE assessment methods, competency development, and certification,
- Position papers on issues of current relevant issues, such as diversity, equity, and inclusion in SE classrooms and programs,
- Other relevant topics that may be of interest for SED members.

All paper submissions are publish-to-present. At least one author for each paper must register for and present the paper at the conference. Abstracts shall be 250-350 words in length. Paper submission is a two-step review process consisting of abstract submission, review and potential acceptance, followed by a full manuscript submission and review. Submission guidelines, deadlines, and other pertinent information are available on the 2024 ASEE Annual Conference website.

All paper submissions will be considered for the **SED Best Paper Award**.

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