The Simulation Interoperability Standards Organization (SISO) invites you to participate in the **2024 SISO SIMposium**, to be held virtually **September 10-11, 2024**.

SISO’s SIMposium is substantially different from SISO’s Simulation Innovation Workshop (SIW), in the following ways:

<table>
<thead>
<tr>
<th>SIMposium</th>
<th>Simulation Innovation Workshop</th>
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<td>Entirely virtual event</td>
<td>SIW conferences are “in person” in Orlando (barring unusual circumstances)</td>
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<td>Length is only two days</td>
<td>Four days of live sessions and meetings</td>
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<td>The SIMposium takes place in September</td>
<td>The SIW is held in February</td>
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<td>The SIMposium offers a choice of two presentation formats: SIMtalks and SIMbriefs. SIMtalks will be 20 to 25 minutes in duration, and those accompanied with a paper will be given preference. SIMbriefs should be under 10 minutes in duration.</td>
<td>SIW presentations are 20 to 25 minutes long and those accompanied by a paper are given preference.</td>
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<td>No scheduled SISO Committee or Working Group meetings</td>
<td>Includes SISO committee and working group meetings</td>
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<td>Student participation is encouraged. Being virtual means no travel expenses or time away from school. The short SIMbrief presentation format, not requiring an accompanying paper, may be well-suited for student projects.</td>
<td>Student participation is encouraged, but we realize that travel costs and timing may limit student participation.</td>
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<td>International participation is highly encouraged. Being virtual means no travel expenses or time away from the office. Also, the SIMposium schedule is made to accommodate people in time zones around the world, as much as practically possible.</td>
<td>We realize that travel costs and time away from the office may limit international participation at the SIW.</td>
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<td>For those who are not already members of SISO, participation in the SIMposium will provide SISO membership through the following February, a period of approximately 6 months.</td>
<td>SIW attendance includes SISO membership through the following February, a period of approximately one year.</td>
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We cordially invite you to submit an abstract centered on Modeling & Simulation (M&S). As the world’s only organization dedicated to development and evolution of simulation standards, SISO seeks presentations with significant and relevant content involving interoperability standards (current or envisioned). An abstract can be for:

- a short SIMbrief talk, of 7 to 10 minutes in length, with only a few presentation slides, or
- a SIMtalk (20-25 minutes presentation + 5-10 minutes Q&A), accompanied by a conference paper, or
- a SIMtalk only, with no accompanying paper.
Workshop Format

For the 2024 SIMposium, short presentations, which we call SIMbriefs, will be accepted, as well SIMtalks (customary longer presentations). SISO invites papers and presentations that are either technical or conceptual. A conceptual paper or presentation may address a question, or set of questions, that need to be raised; clarifies an existing problem; proposes a solution or capability that solves a problem; or describes the anticipated outcome of your proposed, in-process, or completed research or effort.

SISO encourages presenters and attendees to discuss and debate in the interactive presentation sessions - to encourage innovation, collaboration, and the development of new simulation standards.

The 2024 SIMposium will cover a broad range of M&S topics. Presentations will be grouped into sessions based on theme and topic.

Topics of Interest

Abstracts are encouraged that address the full range of M&S topic areas including the following:

- "How to" use SISO Standards (Acquisition, Execution, etc.)
- Updates from SISO Study Groups and Product Development Groups
  - Standards in Development and Future Standards
- M&S in the Space domain
- Cloud-based Simulation
- Simulation as a Service
- Simulation Scalability
- Reuse of M&S Assets (Repositories, Metadata, Composability, Transformation, etc.)
- Non-Defense M&S Applications (Medical simulation, Humanitarian Support, Emergency Response, etc.)
- Innovative Training Simulation Applications (LVC, Gaming, AR/VR, etc.)
- Integrating Artificial Intelligence / Machine Learning into M&S Environments
- Addressing the Challenges of Unmanned/Autonomous Systems through M&S
- M&S Environments for Agile Development / Rapid Prototyping
- Model-Based Systems Engineering (MBSE) / Digital Engineering Applications / Digital Twins
- The “Metaverse”
- Modeling Humans (Medical, Behavioral, etc.)
- Cyber Representations and Cyber Physical System Simulation
- Transforming Legacy Systems/Software
- Verification, Validation and Accreditation
- Wargaming Best Practices
- Use of Simulation in Wargaming
- Where are the Gaps in the Standards Landscape? What new Standards are needed?

Submission Instructions

Please submit your abstract via the 2024 SISO SIMposium website – at https://www.sisostandards.org/events - per the instructions provided there. Each submitted abstract will be evaluated to ensure proper fit for the SIMposium.

When submitting your abstract, you will be asked if you plan to submit a SIMbrief, a SIMtalk (presentation only), or a SIMtalk (presentation with accompanying paper). We prefer that SIMtalks and SIMbriefs be delivered live, in real time, but requests to pre-record presentations will be considered.

Key Dates for the 2024 SIMposium:

1 August 2024
   Deadline for submission of Abstracts
Upon Review
   SISO notifies Abstract submitters of Acceptance or Rejection
15 August 2024
   Paper & Presentation Submission Deadline
10-11 September 2024
   2024 SISO SIMposium
About SISO

SISO is an international organization dedicated to the promotion of modeling and simulation interoperability and reuse for the benefit of a broad range of M&S communities including developers, procurers, and users world-wide. The SISO community has been fostering innovation and interoperability since the 1990s. The technology landscape today provides even greater opportunities for innovative applications of Modeling & Simulation and development of new M&S standards. SISO’s events – the Simulation Innovation Workshop (SIW) and the SIMposium - provide unique opportunities to connect with other professionals and Subject Matter Experts and to collaborate on cutting-edge ideas and innovative developments in simulation.

Please contact Patrick T. Rowe, Executive Director, SISO, at prow@sisostandards.org with any questions.