



## 2022 Simulation Innovation Workshop (SIW) February 7-11, 2022 Call for Papers & Presentations

The Simulation Interoperability Standards Organization (SISO) invites you to participate in the 2022 Simulation Innovation Workshop (SIW), to be held at the Florida Hotel & Conference Center in Orlando, FL, **February 7-11, 2022.**

We cordially invite you to submit an abstract centered on Modeling & Simulation (M&S), M&S standards, or a supporting concept or capability that impacts or enhances the development and use of M&S. When submitting your abstract, you will be asked if you plan to submit “a paper and a presentation,” or a “presentation only.” **Presentations with an accompanying paper will be given preference.**

### Workshop Format

For the 2022 SIW, SISO will use the format of allotting 30 minutes – for presentation and discussion – for each paper or presentation. SISO invites papers and presentations that 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 discusses an ongoing (or concluded) research effort or project highlighting methods/approaches, results/outcomes, and lessons learned.

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 2022 SIW will be organized around three topic areas ("tracks"):

- Modeling & Simulation Specialty Topics (SPEC)
- System Lifecycle and Technologies (SLT)
- Services, Processes, Tools and Data (SVCS)

### Topics of Interest

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

- Use and application of SISO Standards (Acquisition, Execution, etc.)
- Cloud-based Simulation
- Simulation as a Service
- Innovative Training Simulation Applications (LVC, Gaming, AR/VR, etc.)
- Non-Defense M&S Applications (C2, Humanitarian Support, Healthcare, Emergency Response, etc.)
- M&S in the Space domain
- 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
- Modeling Humans (Medical, Behavioral, etc.)
- Cyber Representations and Cyber Physical System Simulation
- Reuse of M&S Assets (Repositories, Metadata, Composability, Transformation, etc.)
- Transforming Legacy Systems/Software
- Verification, Validation and Accreditation

## Submission Instructions – Abstracts, Presentations, and Papers

Please submit your **abstract** via the 2022 SIW website - <https://www.sisostds.org/2022SIW.aspx> - per the instructions provided.

Each submitted abstract will be evaluated to ensure proper fit for the workshop; abstracts will be assigned to the appropriate track by the workshop Planning and Review Panels. When submitting your abstract, you will be asked if you plan to submit a “paper with presentation,” or a “presentation only.” **Presentations with an accompanying paper will be given preference.**

Details regarding presentation and paper format will be posted on the 2022 SIW website at <https://www.sisostds.org/2022SIW.aspx>.

## Key Dates

**SISO will review submitted abstracts and send notification of their acceptance in the order they are received. If you require early approval, please submit your abstract at your earliest convenience.**

18 November 2021	Abstract Submissions Open
Rolling	Abstracts Reviewed upon submission
31 December 2021	Abstract Submission Deadline
7 January 2022	Final Abstract Acceptance Notifications Sent by SISO
21 January 2022	Papers and Presentations Due
7-11 February 2022	Simulation Innovation Workshop (SIW)

## 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 for the development of new M&S standards. SISO’s SIW workshops provide a unique opportunity to connect with other professionals and Subject Matter Experts, and to collaborate on cutting-edge ideas and innovative developments in simulation.

Please contact Patrick Rowe at [prowe@sisostds.org](mailto:prowe@sisostds.org) with any questions.

