



## 2020 Simulation Innovation Workshop (SIW) February 10 – 14, 2020 Call for Papers & Presentations

The Simulation Interoperability Standards Organization (SISO) invites you to participate in the 2020 Simulation Innovation Workshop (SIW) at the Florida Hotel and Conference Center in Orlando, Florida, **February 10 - 14, 2020**.

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. An abstract can be either for a presentation with an accompanying paper, or for only a presentation. Presentations that have an accompanying paper will be given preference.

### Workshop Format

For the 2020 SIW, SISO is:

1. Inviting submission of abstracts for presentations that may or may not have an accompanying paper. Presentations without papers are expected to foster the dissemination of ideas and concepts of interest to the M&S community.
2. Restricting presentation times to 18 minutes to allow for extended periods of discussion within the presentation sessions. A discussion period may be held immediately after each presentation or held after the set of presentations in a session. SISO's hope is to have these extended discussion periods last as much as 30 minutes per session.
3. Inviting presentations that are either technical or conceptual. A conceptual 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 is the anticipated outcome of your proposed research or effort.

SISO encourages the presenters and SIW attendees to discuss and debate in the interactive presentation sessions to encourage innovation, collaboration and simulation standards development. A closing session for the entire SIW will highlight key takeaways.

### 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.)
- Cloud Based Simulation / Simulation as a Service
- Innovative M&S Applications (Non-DoD, C2, Humanitarian Support, IoT, etc.)
- Innovative Training Simulation Applications (LVC, VR/AR, 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
- 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

Please submit your **abstract** via the SISO web site at <https://www.sisostds.org/2020SIW.aspx>. Your submitted abstract will be evaluated to ensure proper fit for the workshop. When submitting your abstract, please identify if a paper submission is also anticipated.

Authors of accepted abstracts will be invited to develop and submit a presentation, and, if they choose, a paper.

## Key Dates

The key dates for the workshop are:

2 September 2019	“Early Decision”† Abstracts Due Electronically
16 September 2019	“Early Decision”† Abstract Acceptance Notification
15 October 2019	All Abstracts Due Electronically
29 October 2019	Abstract Acceptance Notification
9 December 2019	Initial Presentations / Paper Due Electronically
23 December 2019	Presentation / Paper Acceptance Notification
6 January 2020	Final Presentations / Paper Presentations Due
10 - 14 February 2020	2020 Simulation Innovation Workshop – Orlando, Florida

† Note: The “early decision” option is provided for authors who expect a lengthy public release approval process for their papers/presentations. The request for an early decision must be selected on the abstract submittal form.

## About SISO

The SISO community has been fostering innovation and interoperability since the early 1990s. Today, the technology landscape in front of us provides an even greater opportunity for the application of simulations and enabling standards. Our workshops provide an opportunity to share and build toward the future. If you are a developer, engineer, program manager, user, or visionary, then SIW is the place to be!

SISO’s vision is to be on the leading edge of innovation, and our mission is to stay dedicated to the promotion of interoperability and reuse of models, simulations, and associated data. Our SIW event offers a great venue for you to connect with other professionals and collaborate on ideas that will forge the future. Come join us and consider sharing information about your innovations and interoperability experiences!



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Orlando, Florida

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