ANNSIM'23
Annual Modeling and Simulation Conference 2023

MAY 23 – MAY 26, 2023
Mohawk College, Ontario, Canada

The 2023 Annual Modeling and Simulation Conference (ANNSIM'23) is the annual flagship conference sponsored by The Society for Modeling and Simulation International (SCS), which covers state-of-the-art developments in Modeling & Simulation (M&S). ANNSIM'23 invites original contributions to the theory, methodology, and practice of modeling and simulation in any scientific or engineering discipline.

The "Emerging topic – Digital Twins" track of ANNSIM'23 aims to provide a forum for researchers and practitioners alike to exchange their latest results and experiences in developing simulators for or by digital twins.

Topics of interest include, but are not limited to:
- (Co-)Simulation for digital twins, simulation-based digital twins (simulators as the core of digital twins)
- Fidelity, scalability, reliability, trust, security of simulators in digital twins
- Real-time simulation
- Data analytics and data-driven techniques for digital twin development
- Architectural patterns of simulators in digital twinning
- The development lifecycle of digital twins
- Frameworks, methodologies, and formalisms for digital twin development
- Digital twins in support of the Digital Thread
- Digital twins in support of the metaverse
- Verification, Validation and Uncertainty Quantification (VVUQ) of digital twins
- Standards, standardization, and certification of simulators for digital twinning
- Case studies, industry applications, and experience reports
- Human factors in digital twins, such as simulation for or by the human-in-the-loop
- Digital twins for dynamic system (re)configuration and optimization
- Digital twins as a training environment

To learn about the conference and other tracks, visit the website: https://scs.org/annsim.

SUBMISSIONS

Technical papers: Original, high-quality technical papers are solicited for peer review, presentation, and subsequent publication in the conference proceedings if accepted. Papers are max 12 pages long with single column format.
Submission site: https://www.softconf.com/sim/ANNSIM23.
Visit the Author Kit page for more information: https://scs.org/authorskit.

ORGANIZERS

Guodong (Gordon) Shao – NIST, United States
Istvan David – University of Montreal, Canada

IMPORTANT DATES

Paper submission	January 8, 2023
Author notification	March 7, 2023
Camera-ready	March 20, 2023
Conference	May 23–26, 2023