ANNSIM
SCS Annual Modeling & Simulation Conference

Andrea D’Ambrogio, SCS VP of Conferences
Mamadou Kaba Traoré, ANNSIM’21 Program Chair – ANNSIM’22 General Chair
Hamdi Kavak, ANNSIM’22 Vice General Chair
Azam Khan, ANNSIM’22 Program Chair
ANNSIM overview
(Annual Modeling & Simulation Conference)

- Flagship conference of the Society for Modeling and Simulation International (SCS)
- Started in 2021 after merging the Spring Simulation Conference (SpringSim) and the Summer Simulation Conference (SummerSim)
- A single conference with multiple tracks, intended to incorporate advances in both modeling and simulation areas across multiple topical domains
- Technical co-sponsorship by both ACM-SIGSIM and IEEE Computer Society (with archiving in the ACM DL and IEEE Xplore)
- Brief history
  - SCS conferences began with Summer Computer Simulation Conference (SCSC) in 1960s, when computer simulation was a novel topic. SCSC continued to be a part of the larger SummerSim Conference as a track to continue the legacy
  - Likewise, the SpringSim conference incorporated the Annual Simulation Symposium (ANSS). SpringSim, before it was named SpringSim, started as ANSS in the Spring season. To keep ANSS as a part of SCS legacy, ANNSIM continues to have ANSS as a track
• Organizing Committee:
  • General Chair: Xiaolin Hu, Georgia State University, USA
  • Vice-General Chair: Hamdi Kavak, George Mason University, USA
  • Program Chair: Mamadou Kaba Traore, University of Bordeaux, France
  • Proceedings Chair: Cristina Ruiz Martin, Carleton University, Canada
  • Publicity Chair: Moharam Challenger, University of Antwerp, Belgium
  • Awards Chair: Fernando Barros, University of Coimbra, Portugal
• Format: fully virtual (initially planned in-presence at George Mason University)
  • Keynote and tutorials: live presentations with video recording
  • Paper sessions: pre-recorded video and live Q&A
  • Poster & demo sessions: live presentations with posters available in a virtual room
• 12 technical paper tracks + Tutorial track + M&S Demo & Poster track
Technical tracks:
- AI and Simulation (AIS)
- Annual Simulation Symposium (ANSS)
- Communications and Networking Simulation (CNS)
- Cyber Physical Systems (CPS)
- Emerging Topic – Aspects of Pandemic Modeling (ET-APM)
- High Performance Computing and Simulation (HPC)
- Humans, Societies, and Artificial Agents (HSAA)
- Modeling and Simulation based Systems Engineering (MSBSE)
- Modeling and Simulation for Smart Energy Systems (MSSES)
- Modeling and Simulation in Cyber Security (MSCS)
- Modeling and Simulation in Medicine (MSM)
- Theory and Foundations for Modeling and Simulation (TMS)

Statistics:
- #submissions = 101
- #acceptations = 58

Best Paper Award:
Combining DEVS and Semantic Technologies for Modeling the SARS-COV-2 Replication Machinery
in Theory and Foundations for Modeling and Simulation (TMS) track
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  • Program Chair: Azam Khan, Trax.co, Canada
  • Proceedings Chair: Cristina Ruiz Martin, Carleton University, Canada
  • Awards Chair: Xiaolin Hu, Georgia State University, USA
  • Publicity Chairs: Angelos Chronis, Austrian Institute of Technology (AIT), Austria, and Yuanjun Laili, Beihang University, China
  • Logistics Chair: John Richardson, GFC, USA
• Date: July 18–21, 2022
• Format: in-person (hybrid option as a backup)
• 13 technical paper tracks + Tutorial track + M&S Demo & Poster track
2022 ANNUAL MODELING AND SIMULATION CONFERENCE

JULY 18 - 21, 2022
SAN DIEGO STATE UNIVERSITY, SAN DIEGO, CA, USA

- Technical tracks:
  - AI and Simulation (AIS)
  - Annual Simulation Symposium (ANSS)
  - Cyber Physical Systems (CPS)
  - Emerging Topic – Supply Chain Modeling (ET-SCM)
  - High Performance Computing and Simulation (HPC)
  - Humans, Societies, and Artificial Agents (HSAA)
  - Modeling and Simulation based Systems Engineering (MSBSE)
  - Modeling and Simulation for Smart Energy Systems (MSSES)
  - Modeling and Simulation in Cyber Security (MSCS)
  - Modeling and Simulation in Medicine (MSM)
  - Theory and Foundations for Modeling and Simulation (TMS)
  - Symposium on Simulation for Architecture and Urban Design (SimAUD)
  - Symposium on Performance Evaluation of Computer and Telecommunications Systems / Communications and Networking Simulation (SPECTS/CNS)

- Highlights:
  - New tracks
    - SimAUD (previously a symposium in SpringSim)
    - SPECTS (previously a track in SummerSim)
  - Merged tracks
    - CNS
    - SPECTS
  - Emerging topic track on Supply Chain Management