

SPRINGSIM'19

2019 Spring Simulation Conference

AIMS AND SCOPE

The Annual Simulation Symposium (ANSS) track aims to capture what makes M&S a discipline. 2019 marks the 51st year of ANSS. Since 1968, ANSS has been a forum to exchange ideas, research results, methods, techniques, and applications among Simulationists from industry, government, and academia. Some of the sub-tracks included in the ANSS track are listed below.

SUB-TRACKS

Humans, Societies and Artificial Agents (HSA)

(HSA) calls for simulation models and practices emerging at the interface of the humanities, social sciences and engineering with the potential to create novel conceptual approaches in addition to the mathematical and computational models, with the capacity to capture complex human and social behavior.

Complex, Intelligent, Adaptive and Autonomous Systems (CIAAS)

(CIAAS) now in its 4th year, calls for modeling and simulation approaches that address complexity inherent in intelligent, adaptive and autonomous systems. Incorporating principles and approaches from Complexity Science, this track explores the nature of emergent behavior as a byproduct of complex systems modeling and simulation.

Cybersecurity Engineering (CSS)

(CSS) in its 2nd year, calls for the application of modeling and simulation in all aspects of design, analysis, implementation, deployment and management of security algorithms, protocols, architectures and systems.

Cyber-Physical Systems (CPS)

(CPS) calls for papers describing research and technology for modeling, simulation, design, and analysis for complex computer-controlled physical systems, or cyber-physical systems, which use computational and communication functionality to sense and control the physical environment. The global societal scale impact and applications of CPS span smart manufacturing, smart energy, smart mobility, smart health, smart society, and smart mobility.

Nextgen Aviation Challenges (AviSim)

(AviSim) calls for papers that utilize modeling and simulation to solve NextGen aviation challenges from pilot training to Air Traffic Control (ATC) technologies and flight simulators. AviSim spans over M&S methodologies, tools, and techniques tailored around aviation.