



THE SOCIETY FOR
MODELING & SIMULATION
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ANNSIM '26

Annual Modeling Simulation Conference
<https://annsim.org/>

TRACK ON

Communication Technologies and
Networking Simulation (CNS)

TRACK CHAIRS

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University of Central Florida Orlando,



Track Description The CNS track emphasizes the vital role of communications and networking in modern systems. While it initially centered on traditional computer networks, its scope now includes the Intelligent Internet of Things (IoT), 5G/6G technologies, and smart telecommunication systems. The track also explores the transformative impact of Edge and Cloud computing, understanding their potential in shaping AI network-based systems for building the foundation and infrastructure of smart cities.

The CNS forum serves as a premier platform for professionals to exchange insights on the performance evaluation of both current and emerging new generations of communication, energy, and healthcare network systems. Embracing a diverse spectrum, we are keen on contributions that range from theoretical research to hands-on practical investigations. Work that presents innovative evaluation methods or offers insights into design and performance optimization in communications and network systems is especially valued. Whether it is experimental analysis, system optimization, artificial neural networks, using AI and Machine Learning in networking, or real-world case studies, all pertinent contributions that align with these themes (but not limited to the following topics) are warmly welcomed.

Suggested Topics (not limited to)

- AI and ML in communications, networking, and computer systems.
- Data Science, Big Data Analysis in communications, networking, and computer systems.
- 5G/6G and Beyond and enabling technologies, Device to Device communications, and network routing.
- Software Defined Networking and Network Function Virtualization.
- Edge/Fog/Cloud Computing, Distributed Systems, and Scalable Machine Learning Networks.
- Green and energy-efficient communications and networking.
- Cooperative communications and networking.
- Cognitive radio and networking, Future Radio Access Networks.
- Web social network modeling and simulation, socially aware networking and applications.
- Vehicular ad-hoc networks / connected vehicles.
- Traffic modeling and simulation of telecommunication systems and networks, large-scale networks simulation.
- Trust and security in communications, networking, and computer systems and enabling technologies.
- Web-based systems and simulation of video analytics applications.

Track Speaker: Dr Anastasia Anagnostou, Brunel U.of London

Link: <https://www.softconf.com/sim/ANNSIM26/>

IMPORTANT DATES: *Paper submission: January 11, 2026*
Acceptance notification (papers): March 2, 2026
Camera-ready version: March 20, 2026
Conference Program Announced: April 3, 2026



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