



## INVITED SESSION SUMMARY

**Title of Session:**

Innovative AI Technologies for Secure Intelligent Spaces: The Convergence of Physical and Cyber Environments.

**Name, Title and Affiliation of Chair:**

Dr. Le, Huong, New Jersey Institute of Technology  
Ms. Cindy Qiao, Co-Chair, ~~New Jersey Institute of Technology~~ University of Toronto  
Ms. Krishna Sathvika Ganni, Co-Chair, New Jersey Institute of Technology  
Prof. Chengjun Liu, Advisor, New Jersey Institute of Technology

**Details of Session (including aim and scope):**

This invited session explores the convergence of AI and Machine Learning in securing both physical and digital environments. As smart technologies become deeply integrated into our daily infrastructure, the distinction between physical safety and cybersecurity has narrowed. We focus on the deployment of intelligent systems to create "Secure Intelligent Spaces" that provide real-time protection and proactive defense.

**We invite original research on:**

- **AI/ML for Smart Environments:** Utilizing facial recognition, sensor fusion, and behavioral analytics to enhance security and public safety in campuses, schools, offices, and homes.
- **AI/ML for Smart Cybersecurity:** Developing predictive defense mechanisms, automated threat detection, and intelligent response systems capable of neutralizing attacks at machine speed.

The session brings together researchers to discuss how automated AI systems can safeguard both people and data, ensuring robust resilience in an increasingly interconnected world.

**Main Contributing Researchers / Research Centres (tentative, if known at this stage):**

1. NJIT Open AI Team (<https://web.njit.edu/~cliu/OAIT.html>)
2. ~~NJIT Center for AI Research~~
3. International collaborators in Smart City and Cybersecurity domains.

**Website URL of Call for Papers (if any):**

<https://web.njit.edu/~cliu/OAIT.html>

**Email & Contact Details:**

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