

Session Program

11-12 Sept 2025

New York Scientific Data Summit 2025: Powering the Future of Science with Artificial Intelligence

Posters

SUNY Global Center New York, NY 10022 USA, Global Classroom (Lower Level)

Friday 12 September

10:30

Posters

Session | **Location:** SUNY Global Center New York, NY 10022 USA, Global Classroom (Lower Level)

10:30–11:00

Velocity-Inferred Hamiltonian Networks: Symplectic Dynamics from Position-Only Observations

Speaker

Claire Yu

10:30–11:00

Physics-Informed Active Learning via Functional Simulated Annealing for Neural Operator

Speaker

Albert Ding

10:30–11:00

Scientific Machine Learning for Pulsed Infrared Thermography Nondestructive Evaluation

Speaker

Hannah Havel

10:30–11:00

Exploring Reinforcement Learning for Optimal Bunch Merge in the AGS

Speaker

Yuan Gao

10:30–11:00

Active learning Gaussian process classification for mapping multidimensional phase diagram

Speaker

Niraj Aryal

10:30–11:00

Cohort-level protection and individualized inference in artificial intelligence-based monitoring applications

Speaker

Vishal Subedi

10:30–11:00

GRU-Based Learning for the Identification of Congestion Protocols in TCP Traffic

Speaker

Paul Bergeron

10:30–11:00

Solving Integer Linear Programs via Decision Space Learning

Speaker

Yadong Zhang

10:30–11:00

Multi-Agent AI in the Real World

Speaker

Saptarashmi Bandyopadhyay

10:30–11:00

AI-Enhanced Multi-modality Data Processing and Visualization for Scientific Computing and Robotics**Speaker**

Guoyu Lu

10:30–11:00

ReIV: A Dynamic Relational Vector Database for Multi-Functional Context Window Optimization**Speaker**

Maximilian Spencer

11:00