Session Program

20–26 Sept 2025

ICALEPCS 2025 - The 20th International Conference on Accelerator and Large Experimental Physics Control Systems

FRAG MC13 Artificial Intelligence and Machine Learning

Palmer House Hilton Chicago
17 East Monroe Street Chicago, IL 60603, United States of America

Friday 26 September

09:00

FRAG MC13 Artificial Intelligence and Machine Learning

Session |
Location: Palmer House Hilton Chicago, Grand Ballroom, 17 East Monroe Street Chicago, IL 60603, United States of America |
Conveners: Mirjam Lindberg, Mike Fedorov

09:00–09:15 **ML-assisted beamline optimization at LCLS**

Speaker
Zachary Lentz

09:15–09:30

Development and experimental validation of a machine learning-based methodology for cyclotron beam control: results from the PSI HIPA facility

Speaker
Thierry Neal

09:30–09:45

Adaptive model-based reinforcement learning for orbit feedback control in NSLS-II storage ring

Speaker
Zeyu Dong

09:45–10:00 **Agentic Systems in Accelerator Control and Optimization**

Speaker
Thorsten Hellert

10:00