

Session Program

Apr 8 - 10, 2024



Machine Learning Conference for X-Ray and Neutron-Based Experiments, Munich 2024

Session 6

Bürgerhaus Garching, Bürgerhaus 1 - Bürgerhaus Main ball room
Bürgerplatz 9 and Telschowstraße 4, 85748 Garching bei München and MLZ Lichtenbergstr. 1 85747
Garching

Tue, April 9

11:00 AM

Session 6

Session |**Location:** Bürgerhaus Garching, Bürgerhaus 1 - Bürgerhaus Main ball room, Bürgerplatz 9 and Telschowstraße 4, 85748 Garching bei München and MLZ Lichtenbergstr. 1 85747 Garching

11:00 - 11:30

Autonomous Soft Matter Discovery using X-ray Scattering**Speaker**

Dr Kevin Yager

11:30 - 11:50

A machine learning-empowered automatic loop centering software tool for macromolecular crystallography beamlines**Speaker**

Chun Li

11:50 - 12:10

Optimizing Neutron Diffraction Experiments at the Spallation Neutron Source with Temporal Fusion Transformers: A Frontier for AI-Driven Real-Time Decision Making**Speaker**

Xiaoping Wang

12:10 - 12:30

Towards Closing the Autonomous Loop at Multiple Facilities: Developing Web-based User Interfaces and Data Infrastructure for Autonomous Experiments and Machine Learning Workflows**Speaker**

Wiebke Koepf

12:30 - 12:50

Autonomous experiments in neutron scattering**Speaker**

Mr David Elliott Perryman

1:00 PM