AI/ML for Particle Accelerator, X-Ray Beamlines and Electron Microscopy

Monday, 1 November 2021

Opening Session: Tuning and Control **(10:00 - 12:15)**

-**Conveners: Michael Borland**

time	[id] title	presenter
10:00	[1] Opening Remarks	MUSTAPHA, Brahim HEINONEN, Olle
10:05	[2] Online tuning of particle accelerators with reinforcement learning and comprehensive surrogate models	EDELEN, Auralee
10:30	[3] Automated Experiments, Machine Learning and Reinforcement Learning for tuning and control applications in microscopy	VASUDEVAN, Rama
10:55	[4] Bayesian Techniques for Accelerator Characterization and Control	ROUSSEL, Ryan
11:20	[5] Simultaneous online optimization of dynamic acceptance and lifetime for APS	SUN, Yipeng
11:40	[6] Open / Speaker Panel Discussion	