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AI Based Stabilization of Sample Environments

Thursday, 27 April 2023 14:00 (20 minutes)

Image recognition and other tasks with visual components typically performed by humans remain integral to the establishment and maintenance of sample environments, including sample alignment, in neutron scattering and similar experiments. During this presentation, I will discuss the development of a user-friendly, EPICS-based interface designed for use by beamline operators which provides high-level access to system controls with the additional capability of deploying machine-learned models that reduce and simplify the workload of humans in executing controls tasks.

Please select if talk will be in person or on zoom

In person

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