APS Scientific Computation Seminar Series

Speaker: Eliu Huerta
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Argonne National Laboratory

Title: Enlightening AI-driven Discovery with the Advanced Photon Source

Date: February 13, 2023

Time: 1:00 p.m. (Central Time)

Location: Join ZoomGov Meeting
https://argonne.zoomgov.com/j/1618725901?pwd=QVZxVGRyK2kwdkN2T3Zwd01TSUVXZz09
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Hosts: Mathew Cherukara and Nicholas Schwarz

Abstract: Eliu will describe ongoing efforts to bring together the Advanced Photon Source, and the Argonne Leadership Computing Facility to enable accelerated, autonomous, reliable and reproducible AI-driven discovery. He will highlight the need to automate data management by adopting practical FAIR principles which facilitate the creation, sharing and processing of AI-ready experimental datasets with edge and HPC-centric computing. Finally, will provide a vision to bring together foundation AI models, exascale computing and robotics labs to maximize the science reach of the Advanced Photon Source.