

Workshop IV: Co-design for the Exascale and IPAM Hackathon

Monday May 22, 2023

- 8:00–9:00 *Check-in/Breakfast (hosted by IPAM)*
- 9:00–9:30 *Welcome & Opening Remarks: Dean Miguel García-Garibay (Dean of Physical Sciences, UCLA) and Dima Shlyakhtenko (Director, IPAM)*
- 9:30–11:00 *Working Groups: Overview and Goals*
- 11:00–11:15 **Elaine Raybourn** (Sandia National Laboratories)
Introduction
- 11:15–12:00 **Justin Smith** (NVIDIA)
The state of neural network interatomic potentials for atomistic simulation
- 12:00–1:30 *Lunch (on your own)*
- 1:30–5:00 *Hands-on Session*
- 5:00–6:30 *Reception (Location: IPAM Lobby)*

Tuesday May 23, 2023

- 8:00–9:00 *Check-in/Breakfast (hosted by IPAM)*
- 9:00–10:00 **Stan Moore** (Sandia National Laboratories)
Title not available
- 10:15–11:15 **Evan Weinberg** (NVIDIA)
A SNAPshot of Profiler Guided Optimization
- 11:30–11:45 *Working Group Updates*
- 12:00–1:30 *Lunch (on your own)*
- 1:30–5:00 *Hands-on Session*



Wednesday May 24, 2023

- 8:00–9:00 *Check-in/Breakfast (hosted by IPAM)*
- 9:00–10:00 **Jan Janssen** (Los Alamos National Laboratory)
“Packaging Scientific Software with Conda-Forge”
- 10:15–11:15 **Rahul Gayatri** (Lawrence Berkeley Laboratory)
Introduction to Containers on Perlmutter
- 11:30–11:45 *Working Group Updates*
- 12:00–12:15 *Group Photo*
- 12:15–1:30 *Lunch (on your own)*
- 1:30–5:00 *Hands-on Session*

Thursday May 25, 2023

- 8:00–9:00 *Check-in/Breakfast (hosted by IPAM)*
- 9:00–10:00 **Cyrus Harrison** (Lawrence Livermore National Laboratory)
Visualization and Analysis of HPC Simulation Data with VisIt
- 10:30–11:30 **Elaine Raybourn** (Sandia National Laboratories)
- 11:30–11:45 *Working Group Updates*
- 12:00–1:30 *Lunch (on your own)*
- 1:30–5:00 *Hands-on Session*

Friday May 26, 2023

- 8:00–9:00 *Check-in/Breakfast (hosted by IPAM)*
- 9:00–9:15 *Working Group Updates*
- 9:30–12:00 *Hands-on Session*
- 12:00–1:30 *Lunch (on your own)*
- 1:30–2:30 *Wrap Up Discussion*

