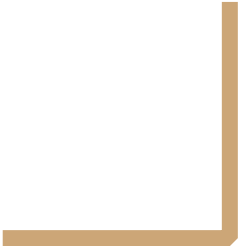




# Performance Portability at the Intersection of the Exascale Computing Project and the DOE Centers of Excellence

2020 Exascale Computing Project Annual Meeting  
Houston, TX  
Feb. 6<sup>th</sup>, 2020



# Who are we?

Organizers of P3HPC (Performance Portability and Productivity in HPC) series of events

- Share best practices and ideas between application developers, hardware architects, and software architects
- Identify major challenges toward the goal of performance, portability, and productivity, and work with vendors and tool providers on determining implementations and solutions

# This workshop is part of a larger dialog

- DOE P3 Annual Meetings
  - 2020 Kansas City, Mo
  - 2019 Denver, CO
  - 2017 Denver, CO
  - 2016 Phoenix, AZ
- Supercomputing (SC) Workshops
  - 2019 Denver, CO
  - 2018 Dallas, TX
- ECP Annual Meeting BoF
  - 2020 Houston, TX
  - 2019 Houston, TX
- International Supercomputing Conference (ISC) BoF
  - 2019 Frankfurt, Germany

# Agenda

- Introduction, Overview of P3HPC activities — Doug Doerfler (10 min)
- Path to porting to Perlmutter — Jack Deslippe (15 min)
- Path to porting to Frontier — Phil Roth (15 min)
- Path to porting to Aurora — Ray Loy (15 min)
- Application Experience: Performance Portability of a DSLASH mini-application — Balint Joo (15 min)
- Panel: Q&A for Speakers, and area experts in the audience — Hai Ah Nam (20 min)

# Performance, Portability, and Productivity in HPC Forum



**April 7 - 9, 2020**  
**Kansas City, Missouri**

The purpose is to provide a forum for best practices shared between:

- Application developers
- Hardware architects
- Software architects

Abstract submission is closed

## **Important dates:**

- Applicants will be notified by Feb 14<sup>th</sup>
- Deadline for registration is March 16<sup>th</sup>
- Deadline for hotel reservation with discount is March 16<sup>th</sup>

Subscribe to: [hpc-p3-announce@alcf.anl.gov](mailto:hpc-p3-announce@alcf.anl.gov)

Please visit: <https://p3hpcforum2020.alcf.anl.gov>