

Wednesday, January 16, 2019

7:00 AM-5:30 PM	<b>Registration Desk</b>   Legends Pre-function Area		
7:30-8:30 AM	<b>Working Breakfast: Overview of Wednesday</b>   Legends Ballroom		
8:30-10:00 AM	<b>NDA Session (Sheraton) Greenbrier Ballroom</b> PathForward Vendor Presentation <b>AMD</b>	<b>Tutorial Track 1</b> <b>Founders III</b> Application-driven Fault-Tolerance for High Performance Distributed Computing <b>Founders IV</b> Flux: Using Next-Generation Resource Management and Scheduling Infrastructure for Exascale Workflows <b>Champions I &amp; II</b> Performance Tuning with the Roofline Model on GPUs and CPUs <b>Champions III</b> Deep Learning at Scale <b>Champions V</b> OpenMP 4.5 and 5.0	<b>Breakout Sessions Track 1</b> <b>Founders I</b> Lossy data reduction/compression for simulations and experiments <b>Founders II</b> The LLVM Compiler Infrastructure in ECP – Usage, Updates, Challenges, and Improvements <b>Champions VI</b> From Good to Great: Getting Started with PSIP (Productivity Sustainability Improvement Planning) <b>Champions VII</b> Towards enabling applications to exploit SmartNIC/FPGA with integrated networking and acceleration
10:00-10:30 AM	<b>Break</b>		
10:30 AM-12:00 PM	<b>NDA Session Legends Ballroom</b> PathForward Vendor Presentation <b>NVIDIA</b>	<b>Tutorial Track 1 (Continued)</b>	<b>Breakout Sessions Track 1</b> <b>Founders I &amp; II</b> Kokkos EcoSystem 3.0 Roadmap <b>Champions VI &amp; VII</b> Using the Flang/LLVM compiler for ECP Applications and Tools Development <b>(Sheraton) Greenbrier Salon A</b> Architectural Challenges of Genomic Analysis <b>(Sheraton) Greenbrier Salon B &amp; C</b> Jupyter at HPC Centers
12:00-1:30 PM	<b>Working Lunch</b>   Legends Ballroom Plenary – Continuous Integration		

1:15-2:45 PM	<b>Poster Session</b> – Software Technology   Discovery Center				
2:30-3:00 PM	<b>Break</b>   Legends Pre-function Area				
3:00-4:00 PM	<b>NDA Session 1</b> <b>Legends Ballroom</b> PathForward Vendor Presentation <b>IBM (Repeat)</b>	<b>NDA Session 2 (Sheraton)</b> <b>Greenbrier Ballroom</b> <b>Cray</b> Performance Tools Deep Dive	<b>Tutorial Track 1</b> <b>Founders I</b> Atlassian Jira Fundamentals (Beginners to Intermediate) <b>Founders II</b> A Tutorial Introduction to RAJA <b>Founders III</b> Graph and Combinatorial Methods for Enabling Scientific Applications <b>Founders IV</b> Task-Based Parallel Programming in Legion	<b>Breakout Sessions Track 1</b> <b>Champions I &amp; II</b> AMReX and AMReX-based Applications <b>Champions VI &amp; VII</b> Fostering a culture of passion and productivity in ECP teams	<b>Breakout Sessions Track 2</b> <b>Champions III</b> Preparing Applications for the Argonne Aurora 2021 System <b>Champions V</b> MPI Breakout
4:00-5:00 PM					<b>Champions III</b> Preparing Applications for NERSC-9 (Perlmutter) as an Exascale Waypoint <b>Champions V</b> Spack Roundtable <b>(Sheraton) Greenbrier Ballroom</b> Software Sustainability for ECP and Beyond