

2019

Stanford | CONFERENCE

Paul Brest Hall

Day One | THURSDAY, 14 FEBRUARY

9:00 - 9:10	Welcome Stanford High Performance Computing Center HPC-AI Advisory Council	Steve Jones Gilad Shainer
9:15 - 10:00	Keynote: Sierra: Science Unleashed Lawrence Livermore National Laboratory	Rob Neely
10:05 - 10:35	Industry Insights: XTREME-Stargate - The New Era of HPC Cloud platform XTREME-D Inc.	Naoki Shibata & David Barkai
10:40 - 10:55	BREAK	
11:00 - 11:45	Keynote: How to Design Scalable HPC, Deep Learning and Cloud Middleware for Exascale Systems The Ohio State University	DK Panda
11:50 - 12:30	Best Practices: SUSE Linux for HPC - It Just Keeps Getting Better SUSE	Jay Kruemcke
12:30 - 13:15	LUNCH <i>Brown Bag BoF: "HPC for the rest of us..." Operating small to medium sized HPC Center?</i> <i>Join a lunch-time chat, share stories from the trenches, ideate on innovative ways to manage resources, bring your own topics ...!</i>	
13:20 - 14:00	Community Catalyst: Spack: A Package Manager for HPC Lawrence Livermore National Laboratory	Todd Gamblin
14:05 - 14:35	Industry Insights: Architecting the Right System for Your AI Application—without the Vendor Fluff Microway, Inc.	Brett Newman
14:40 - 15:10	Best Practices: Designing Convergent HPC and BigData Software Stacks: An Overview of the HiBD Project The Ohio State University	DK Panda
15:10 - 15:25	BREAK	
15:30 - 16:00	Industry Insights: Introduction to Intel® Optane Data Center Persistent Memory Intel Corporation	Usha Upadhyayula & Tom Krueger
16:05 - 16:45	Community Catalyst: Singularity - Container Workflows for Compute Sylabs Inc.	Greg Kurtzer
16:50 - 17:30	Market Analysis: HPC Computing Trends Intersect360 Research	Addison Snell
17:30	Recap & Day 2 Preview	Steve Jones & Gilad Shainer

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Day Two | FRIDAY, 15 FEBRUARY

9:00-9:05	Welcome	Gilad Shainer & Steve Jones
9:10 - 9:50	Keynote: Supercomputing & Simulation ~ Sciences Fourth Pursuit NVIDIA	Steve Oberlin
9:55 - 10:25	Industry Insights: Game-Changer for Complex Engineering Applications OnScale Inc.	Ian Campbell
10:25 - 10:40	BREAK	
10:45 - 11:25	Visionary Perspectives: Pioneering and Democratizing Scalable HPC+AI Pittsburgh Supercomputing Center, Carnegie Mellon University	Paola Buitrago & Nick Nystrom
11:30 - 12:15	Tutorial: SHARP Mellanox Technologies	Devendar Bureddy
12:15 - 13:00	LUNCH	
13:05 - 13:35	Industry Insights: Accelerating & Optimizing Machine Learning on VMware vSphere leveraging NVIDIA GPU VMware Inc.	Mohan Potheri
13:40 - 14:10	Best Practices: A Fast, Scale-able HPC Engine for Data Ingest Integral Engineering	David Wade
14:15 - 15:00	HPC Impact: Container Mythbusters Los Alamos National Laboratory	Michael Jennings
15:00 - 15:15	BREAK	
15:20- 16:00	Industry Insights: Innovative Use of HPC in the Cloud for AI, CFD & LifeScience UberCloud	Ebru Taylak
16:05 -16:45	Community Catalyst: Scalable Machine Learning: The Role of Stratified Data Sharding The Ohio State University	Srinivasan Parthasarathy
16:50 - 17:30	HPC Impact: HPC and Visualization Innovation Manager Schlumberger	Abhishek Gupta
17:35 - 18:20	End Note: ASTRA - A Large Scale ARM64 HPC Deployment Sandia National Laboratories	Michael Aguilar
18:25	Raffle & Wrap Up	Steve Jones & Gilad Shainer