

Accelerated Data Analytics and Computing Workshop 7

Oak Ridge, Tennessee USA, Oak Ridge National Laboratory Conference Center
1 Bethel Valley Road, Oak Ridge, Tennessee 37831

March 25-26, 2019

–AGENDA–

Monday, March 25, 8:30 am – 8:00 pm – ORNL Joint Institute for Computational Sciences, Building 5100, JICS Auditorium

TIME	DESCRIPTION	PRESENTER
8:00 AM	Registration & Morning Refreshments	
9:00 AM	Welcome & Opening	Jeff Nichols, Associate Laboratory Director, Oak Ridge National Laboratory (ORNL)
9:15 AM	<i>Plenary – Use Cases for the Comet development</i>	Dan Jacobson, ORNL
10:00 AM	<i>Plenary - Tensor Core Acceleration of the CoMet Application</i>	Wayne Joubert, ORNL
10:30 AM	Break	
11:00 AM	Application Enhanced by AI and Transprecision Computing: Finite Element Earthquake City Simulation	Kohei Fujita & Takuma Yamaguchi, University of Tokyo
11:30 AM	Accelerated applications and convergence between HPC, HPDA and AI at the French Alternative Energies and Atomic Energy Commission (CEA)	Christophe Calvin, CEA
12:00 PM	Working Lunch	
1:00 PM	The Post-K Project and Architectural Update	Satoshi Matsuoka, RIKEN
1:30 PM	The Many Colors of Chameleon	Kate Keahey, Argonne National Laboratory
2:00 PM	CSCS Swiss National Supercomputing Center testbed setup using Metal As A Service (MAAS)	Mark Klein, CSCS
2:30 PM	Using Next-Generation Resource Management and Scheduling Infrastructure for Exascale Workflow and Resource Challenges	Dong Ahn, LLNL
3:00 PM	Break	
3:30 PM	RM-replay: a high-fidelity tuning, optimization and exploration tool for resource management	Maxime Martinasso, CSCS
4:00 PM	Current Status of TSUBAME3.0 Operation	Toshio Endo, Tokyo Tech
4:30 PM	Review of the Day and Plans for Day 2	Jeff Nichols, ORNL
5:00 PM	Tour of Summit & ORNL Computing Facilities	Jim Rogers, ORNL
5:30 PM	Reception	

6:00 PM	Working dinner	
8:00 PM	Adjourn Day 1	

Tuesday, March 26, 8:30 am – 1:00 pm – ORNL Joint Institute for Computational Sciences, Building 5100, JICS Auditorium

TIME	DESCRIPTION	PRESENTER
8:00 AM	Morning Refreshments	
8:30 AM	Day 2 Welcome and Logistics	Jeff Nichols, ORNL
8:35 AM	Working Group Goals and Expectations	Rio Yokota, Tokyo Tech Jeff Nichols, ORNL Thomas Schulthess, CSCS
8:45 AM	Working Groups <ul style="list-style-type: none"> • Applications – Building 5700, L204 - Materials Science - Thomas Maier, ORNL - Accelerated Linear Algebra Libraries – Stan Tomov, University of Tennessee, Knoxville • Emerging Technologies - JICS • Resource Management • Governance – Building 5700, F234 	
11:30 PM	Working Group Reports	
12:15 PM	Wrap-Up and Next Steps	Jeff Nichols, ORNL
12:30 PM	Working Lunch	
1:00 PM	Adjourn Day 2	