

2020 HPC - SI - USRC Showcase Schedule

Thursday, August 6th

Presentation Time	Title	Last Name	First name	Group	Presentation/ Lightning Talk
HPC-SI-USRC Showcase – Google Meet 1					
3:00 PM MDT	Enhancing the MPI Sessions Prototype for Use on Exa-Scale Systems	Herschberg	Tom	USRC	Presentation
3:15 PM MDT	Survey of Tools to Assess Reduced Precision on Floating Point Applications	Dibble	Quinn	SI	Presentation
3:30 PM MDT	Investigating the Efficacy of Unstructured Text Analysis for Failure Detection in Syslog	Felkner	Katy	USRC	Presentation

Wednesday, August 12th

Presentation Time	Title	Last Name	First name	Group	Presentation/ Lightning Talk
HPC-SI-USRC Showcase – Google Meet 2					
10:30 AM MDT	Deploying Machine Learning Workflows into HPC environment	Gupta	Ragini	DES	Presentation
10:45 AM MDT	Managing Dynamic Workflows in BEE	Anaya	Stephen	DES	Presentation
11:00 AM MDT	Embracing Open Firmware in HPC for Faster and More Secure Provisioning	Bautista	Devon	USRC	Presentation
11:15 AM MDT	Performing Survival Analysis on HPC System Memory Error Data	Penton	Stephen	USRC	Presentation
HPC-SI-USRC Showcase – Google Meet 3					
1:00 PM MDT	Memory Trace Analysis using Machine Learning	Slade	Braeden	USRC	Presentation
1:15 PM MDT	Exploring the Feasibility of In-Line Compression on HPC Mini-Apps	Fulp	Dakota	USRC	Presentation
1:30 PM MDT	No-Cost and Low-Cost Methods of Reducing Floating Point Error in Sums	Job	Vanessa	USRC	Presentation
1:45 PM MDT	Data placement and movement in a heterogeneous memory environment	Patil	Onkar	USRC	Presentation
HPC-SI-USRC Showcase – Google Meet 4					
3:00 PM MDT	bueno: Benchmarking, Performance, and Provenance	Dickens	Jacob	USRC	Presentation
3:15 PM MDT	Parallelization and vectorization of nuDust	Brooker/Stangl	Ezra/Sarah	USRC	Presentation
3:30 PM MDT	Perils of the One-Size-Fits-All Kernel: A Fast, Secure Search for File System Metadata	Challa	Prajwal (Venkata Naga)	USRC	Presentation
3:45 PM MDT	The first virtual Supercomputing Institute	Snyder	Richard	USRC	Lightning
3:50 PM MDT	Technical Project Management Migration to the Cloud and Confluence Documentation	Jones	Morgan	DO	Lightning

Thursday, August 13th

Presentation Time	Title	Last Name	First name	Group	Presentation/ Lightning Talk
HPC-SI-USRC Showcase – Google Meet 5					
9:00 AM MDT	Easier JupyterLab Instances for HPC Users	Wallace	Dylan	ENV	Lightning
9:05 AM MDT	Towards CFD Fault Detection and Resolution Scaling with Machine Learning	Good	Adam	DES	Lightning
9:10 AM MDT	The Future of Stereo 3D Data Analysis and Visualization	Dermer	John	DES	Lightning
9:15 AM MDT	Memory Address Decoding and Fault Analysis	Wallace	Dylan	DES	Lightning
9:20 AM MDT	Investigating Hard Disk Drive Failure Through Disk Torture	Perry	Daniel	SYS	Lightning
9:25 AM MDT	Virtualizing the Network for Testing & Development	Whitfied/Rollins	Conner/Robby	SYS	Presentation
HPC-SI-USRC Showcase – Google Meet 6					
11:00 AM MDT	Analyzing Frameworks for HPC Systems Regression Testing	Gonzalez/Nederveld	Berkelly/Sadie	SI	Presentation

11:15 AM MDT	A Virtual Cluster Monitoring Toolkit for Bottleneck Analysis	Frumkin/Marquardt	Natasha/Christian	SI	Presentation
11:30 AM MDT	Auto-Mounted SquashFS for Charliecloud Containers	Chernikov/Phinney	Anna/Megan	SI	Presentation
11:45 AM MDT	Integration of the ECP Proxy Apps Suite into the Pavilion Test Harness	Kendrick/Reyes/Quezada	Christine/Yolanda/Anaira	SI	Presentation
HPC-SI-USRC Showcase – Google Meet 7					
1:00 PM MDT	Stay GUFU with Performance Regression Testing	Hagen	Skylar	SI	Presentation
1:15 PM MDT	Evaluating Hardware Compression Offload in a Lustre File System	Hernandez	Mariana	SI	Presentation
1:30 PM MDT	Integration of The Energy Exascale Earth System Model (E3SM) into The Pavilion Test Harness	Goetsch	Timothy	ENV	Presentation
1:45 PM MDT	OpenSNAPI: Toward a Unified API for SmartNICs	Williams	Brody	ENV	Presentation
HPC-SI-USRC Showcase – Google Meet 8					
3:00 PM MDT	Hunting for Bottlenecks in ZFS Failure Recovery using NVMe Drives	Bautista	Trevor	ENV	Presentation
3:15 PM MDT	Comparative Analysis of Metric Collecting Software	Huff	David	ENV	Presentation
3:30 PM MDT	Generating HPC Job Profiles and Expectations with Time-Series Data	Layman	Brett	ENV	Presentation
3:45 PM MDT	Using Statistical Methods to Validate Hardware Performance Monitors	Gravelle	Brian	ENV	Presentation
Thursday, September 17th					
Presentation Time	Title	Last Name	First name	Group	Presentation/ Lightning Talk
TBD	TBD	Lam	Jessica	SYS	Presentation