

2018 HCPXXL Summer Meeting

with Spectrum Scale UG

Oak Ridge, TN

Location for all events:

Oak Ridge National Laboratory

(1 Bethel Valley Rd, Oak Ridge, TN 37830)

Rooms (See below)

Systems Track Location: (See below)
Site Updates
Interactive/Round Tables
Spectrum Scale User Group Location: (See below)

Sunday Sept 16th	
6:00 PM - 8:00 PM	<p>Informal dinner for all attendees (optional, not included in registration cost). Meet in the hotel lobby.</p>

Monday Sept 17th	
8:30-8:45	Registration, HPCXXL HPC Day
8:45-9:00	ROOM: Visitor's Center, room Tennessee A
9:00-9:15	Welcome - Michael Stefan, President HPCXXL
9:15-9:30	IBM Opening Remarks
9:30-9:45	Akhtar Ali, VP Technical Computing Development
9:45-10:00	Power Hardware Update
10:00-10:15	Steve Roberts
10:15-10:30	Break
10:30-10:45	
10:45-11:00	Burning Issues
11:00-11:15	Mustafa Mah, Technical Support - IBM
11:15-11:30	Power Software Solutions Update
11:30-11:45	Fernando Pizzano, IBM HPC Software Development
11:45-12:00	Mellanox Roadmap
12:00-12:15	Scot Schultz, Mellanox
12:15-12:30	Lunch
12:30-12:45	
12:45-1:00	
1:00-1:15	
1:15-1:30	High Speed Networks - Future Technologies
1:30-1:45	Scot Schultz, Mellanox
1:45-2:00	CSM
2:00-2:15	Fernando Pizzano, IBM HPC Software Development
2:15-2:30	Site Talk: Operations - data ingestion, logging, analysis
2:30-2:45	Chris Muzyn, Oak Ridge National Labs
2:45-3:00	Site Update #2
3:00-3:15	(Tentative: PSI Talk)
3:15-3:30	Break
3:30-3:45	
3:45-4:00	AC922 Data Movement
4:00-4:15	Steve Roberts
4:15-4:30	Job Step Manager (JSM)
4:30-4:45	Josh Hursey, Spectrum MPI
4:45-5:00	Burst Buffer Introduction
5:00-5:15	Thomas G (By Phone), IBM HPC Organization
5:15-5:30	

Tuesday Sept 18th	
8:30-8:45	Registration, HPCXXL HPC Day ROOM: Visitor's Center, room Tennessee A
8:45-9:00	
9:00-9:15	XL Compiler updates Wang Chen, IBM XL Compiler team
9:15-9:30	
9:30-9:45	
9:45-10:00	
10:00-10:15	IBM's Power AI Brad Nemanich, IBM PowerAI
10:15-10:30	
10:30-10:45	Break
10:45-11:00	
11:00-11:15	MPI updates Josh Hursey, IBM Spectrum MPI
11:15-11:30	
11:30-11:40	Jitter Nelson Mimura Gonzalez, IBM Research
11:40-12:00	
12:00-12:15	Lunch
12:15-12:30	
12:30-12:45	
12:45-1:00	
1:00-1:15	
1:15-1:30	Site Update - LLNL Michael Jennings
1:30-1:45	
1:45-2:00	Site Talk: Application performance, Tips, Tricks, Tensor Core Wayne Joubert, Oak Ridge National Labs
2:00-2:15	
2:15-2:30	TendorFlow Jason Furmanek-IBM PowerAI
2:30-2:45	
2:45-3:00	IBM's Distributed Deep Learning Brad Nemanich, IBM PowerAI
3:00-3:15	
3:15-3:30	Break
3:30-3:45	
3:45-4:00	Service/Burning Issues Update Mustafa Mah, Technical Support - IBM
4:00-4:15	
4:15-4:30	LAMMPS for exascale Lixiang (Eric) Luo, IBM Research
4:30-4:45	
4:45-5:00	Enabling HPC Work flows in the cloud Claudia Misale, IBM Research
5:00-5:15	
5:15-5:30	Calhoun's, Dinner/Social Event https://calhouns.com/menus-and-locations/oak-ridge/
5:30-5:45	
6:30	

Wednesday Sept 19th (Room 440)	
8:30-8:45	Morning HPCXXL Session, Afternoon Sscale Users Group Building 5100, Lecture Hall
8:45-9:00	
9:00-9:15	PGI Compiler
9:15-9:30	Jeff Larkin, Nvidia
9:30-9:45	xCat Presentation
9:45-10:00	Victor Hu, IBM HPC Software Development
10:00-10:15	Power/ThermalOCC Overview
10:15-10:30	Todd Rosedahl, IBM - Chief Energy Mgmt Engineer.
10:30-10:45	Break
10:45-11:00	
11:00-11:15	LSF Updates
11:15-11:30	Michael Spriggs, IBM LSF
11:30-11:40	CUDA 10 and Beyond
11:40-12:00	Jeff Larkin, NVidia
12:00-12:15	Lunch
12:15-12:30	
12:30-12:45	
12:45-1:00	
1:00-1:15	Opening and welcome / Damian Hazen (UG), Amy Prudy Hirst, IBM
1:15-1:30	What is new in Spectrum Scale?
1:30-1:45	Chris Maestas, IBM
1:45-2:00	What's new in ESS? / Steve Duersch, IBM
2:00-2:15	Service Update / Chris Maestas, IBM
2:15-2:40	Spinning up a Hadoop cluster on demand Ted Hoover, IBM
2:40-3:05	Running Container on a Super Computer John Lewars, IBM
3:05-3:30	Break
3:30-3:50	AWE site report Mark Roberts
3:50-4:10	CCSC Site report Stefano Gorini (CCSC)
4:10-4:30	Starfish (Sponsor talk) Peter Galvin (Starfish) / John Oliverio (Cambridge Computer)
4:30-4:45	Network Flow
4:45-5:00	John Lewars, IBM
5:00-5:15	Ask Me Anything
5:15-5:30	Carl Zetie (IBM)
5:30-5:45	wrap-up , Damian Hazen (UG)
5:45-6:00	
6:30-9:30	Lakeside, Dinner/Social Event http://lakeside-tavern.com/location/

Thursday Sept 20th (Room XXX)	
8:00-8:15	Spectrum Scale Users Group Building 5100, Lecture Hall
8:15-8:30	
8:30-9:20	Alpine – the Summit file system Dustin Leverman, Oak Ridge National Labs Bill Harter, IBM Spectrum Scale.
9:20-9:40	ADIOS I/O Library William Godoy (ORNL)
9:40-10:00	AI Reference Architecture Ted Hoover, IBM
10:00-10:15	--- Break ---
10:15-10:30	
10:30-10:45	Encryption on the wire and on rest Sandeep Ramesh, IBM
10:45-11:00	
11:00-11:15	
11:15-11:30	Problem Determination Karthik Iyer, IBM
11:30-11:45	
11:45-12:00	Wrap-up, Damian Hazen (UG)
12:00-12:15	--- Lunch ---
12:15-12:30	
12:30-12:45	
12:45-1:00	
1:00-1:15	
1:15-1:30	Site Tours start - Summit
1:30-1:45	
1:45-2:00	
2:00-2:15	
2:15-2:30	
2:30-2:45	
2:45-3:00	
3:00-3:15	
3:15-3:30	
3:30-3:45	
3:45-4:00	Site Tours - Summit
4:00-4:15	
4:15-4:30	
4:30-4:45	
4:45-5:00	
5:00-5:15	
5:15-5:30	
5:30-5:45	
5:45-6:00	
6:00-6:15	

Friday Sept 21st	
8:30-8:45	HPCXXL Business Day Building 5700, Room L202
8:45-9:00	
9:00-9:15	HPCXXL Business Meeting
9:15-9:30	
9:30-9:45	
9:45-10:00	
10:00-10:15	
10:15-10:30	
10:30-10:45	Break
10:45-11:00	
11:00-11:15	HPCXXL Business Meeting
11:15-11:30	
11:30-11:45	
11:45-12:00	
12:00-12:15	Lunch
12:15-12:30	