

2016 SPXXL/Scicomp / Joint Summer Meeting

with Spectrum Scale UG, Open Power workshop

New York Academy of Medicine

1216 Fifth Avenue

New York, NY 10029

SPXXL Track
GPFS User Group
Open Power Workshop

	Sunday May 22nd
6:00 PM - 8:00 PM	Informal dinner for all SPXXL attendees (optional, not included in registration cost). Meet in the hotel lobby.

SPXXL

	Monday May 23th
	Room 21
	Registration
8:30-8:45	
8:45-9:00	
9:00-9:15	SPXXL Business Meeting
9:15-9:30	SPXXL member sites only
9:30-9:45	
9:45-10:00	
10:00-10:15	Break
10:15-10:30	
10:30-10:45	Welcome - Michael Stefan, President SPXXL
10:45-11:00	IBM Opening Remarks
11:00-11:15	Doris Conti, IBM
11:15-11:30	Burning Issues
11:30-11:45	
11:45-12:00	Site Update AWE
12:00-12:15	Mark Roberts, AWE
12:15-12:30	
12:30-12:45	Lunch
1:00-1:15	
1:15-1:30	Power Hardware Update
1:30-1:45	Piyush Chaudhary, IBM
1:45-2:00	Power Software Solutions Update
2:00-2:15	Ted Hoover , IBM
2:15-2:30	High Performance Data Analytics Roundtable discussion
2:30-2:45	Piyush Chaudhary, IBM
2:45-3:00	
3:00-3:15	Bluegene update
3:15-3:30	Break
3:30-3:45	
3:45-4:00	Resource Management Update/Requirements session
4:00-4:15	Bill McMillian, IBM
4:15-4:30	
4:30-4:45	
4:45-5:00	Containers in HPC Roundtable discussion
5:00-5:15	tbd
5:15-5:30	
5:30-5:45	

SPXXL

Tuesday May 24th	
Room 440	
8:30-8:45	Registration
8:45-9:00	
9:00-9:15	Joint SPXXL ScicomP Session
9:00-9:15	Keynote: How Healthcare can Leverage Exascale
9:15-9:30	Patricia Kovatch, Mt Sinai
9:30-9:45	
9:45-10:00	The Evoluton of HPC, an IBM Perspective
10:00-10:15	Dave Turek, VP Exascale Computing , IBM
10:15-10:30	
10:30-10:45	Break
10:45-11:00	
11:00-11:15	Scientific Computing, High-Performance Computing and Data Science in Higher Education
11:15-11:30	Daniel Gruner , SCinet
11:30-11:40	
11:40-12:00	MPI-IO Performance Optimization – IOR Benchmark on IBM ESS GL4 Systems
12:00-12:15	Xinghong He, IBM
12:15-12:30	
12:30-12:45	
12:45-1:00	Lunch
1:00-1:15	
1:15-1:30	Applications Update/Requirements
1:30-1:45	Robert Blackmore, IBM
1:45-2:00	Compilers Update / Requirements
2:00-2:15	Ettore Tiotto & Alex Eichenberger, IBM
2:15-2:30	
2:30-2:45	
2:45-3:00	Break
3:00-3:15	
3:15-3:30	Site Update Argonne National Lab
3:30-3:45	Ray Loy, ANL
3:45-4:00	
4:00-4:15	Systems Management Update/Requirements Session
4:15-4:30	Medhi Bozzo-Ray, IBM
4:30-4:45	Operational Analytics
4:45-5:00	Fernando Pizzano, IBM
5:00-5:15	
5:15-5:30	Roundtable Discussion HPC Cloud
5:30-5:45	John Lewars, IBM
5:45-6:00	
6:00-7:00	
7:00-10:00	Social Event: TBD

Open Power Workshop

Wednesday May 25th	
Room 440	
8:30-8:45	Registration
8:45-9:00	
9:00-9:15	OpenPOWER innovations
9:15-9:30	Calista Redmond, IBM
9:30-9:45	
9:45-10:00	Machine Learning / Deep Learning Using Open Power
10:00-10:15	Michael Gschwind, IBM
10:15-10:30	
10:30-10:45	Break
10:45-11:00	From Titan to Summit: Opportunities and Lessons Learned to Improve the OpenPOWER HPC Programming Environment
10:00-11:15	Oscar Hernandez, ORNL
11:15-11:30	
11:30-11:45	Large-Scale GPU Accelerated Virtual Cell Biology and High-Throughput Protein-Motif-Finding on the OpenPower 8 Compute Infrastructure
11:45-12:00	Prof Narayan Ganesan, Stevens Institute of Technology
12:00-12:15	
12:15-12:30	
12:30-12:45	Lunch
12:45-1:00	
1:00-1:15	
1:15-1:30	Genomic Medicine Building the Infrastructure for Life Sciences
1:30-1:45	Kathy Tzeng, IBM
1:45-2:00	
2:00-2:15	Next Generation Performance & Scalability with Mellanox "Smart" Interconnect on OpenPOWER
2:15-2:30	Matthew Sheard, Mellanox
2:30-2:45	
2:45-3:00	Break
3:00-3:15	Nvidia Update on OpenPOWER
3:15-3:30	John Ashley, NVIDIA
3:30-3:45	
3:45-4:00	TotalView on IBM PowerLE and CORAL Sierra/Summit
4:00-4:15	Martin Bakal, Rogue Wave
4:15-4:30	
4:30-4:45	OpenPOWER Acadmia Group updates - Q & A
4:45-5:00	Ganesan N, IBM
5:00-5:15	

Spectrum Scale User Group

Thursday May 26th	
8:30-8:45	Registration
8:45-9:00	
9:00-9:15	Top 10 reasons for upgrading from GPFS 3.5 to Spectrum Scale 4.2.1
9:15-9:30	Steve Duersch , IBM
9:30-9:45	
9:45-10:00	Panel Discussion: My favorite tool for monitoring/reporting
10:00-10:15	Moderator: Doug O'Flaherty IBM
10:15-10:30	
10:30-10:45	
10:45-11:00	
11:00-11:15	
11:15-11:30	
11:30-11:45	Problem Determination
11:45-12:00	Ben Randall , IBM
12:00-12:15	
12:15-12:30	
12:30-12:45	
12:45-1:00	Lunch
1:00-1:15	
1:15-1:30	
1:30-1:45	User presentation
1:45-2:00	Mark Roberts, AWE
2:00-2:15	Spectrum Scale in Life Sciences
2:15-2:30	Madhav Ponamgi, IBM
2:30-2:45	HPSS Update
2:45-3:00	Fabiola Adams, IBM
3:00-3:15	Break
3:15-3:30	
3:30-3:45	Best practices for GPFS or Spectrum Scale Tuning
3:45-4:00	Srikanth Srinivasan, IBM
4:00-4:15	
4:15-4:30	
4:30-4:45	Enhancements for CORAL
4:45-5:00	Lyle Gayne, IBM
5:00-5:15	

SPXXL

Friday May 27th	
Room 21	
8:30-8:45	
8:45-9:00	SPXXL
9:00-9:15	Site Update UCAR
9:15-9:30	Benjamin Matthews
9:30-9:45	Service Update
9:45-10:00	Bob Simon, IBM
10:00-10:15	Burning Issues Update
10:15-10:30	Bob Simon, IBM
10:30-10:45	Break
10:45-11:00	
11:00-11:15	SPXXL Business Meeting
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12:00-12:15	Lunch
12:15-12:30	