

Introducing HPCXXL

HPC-AC Swiss Conference 2018

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HPCXXL - A HPC User Group

HPCXXL: Who we are

- Self-organized and self-supporting user group of large HPC installations with a focus on (but not limited to) IBM and Lenovo systems.

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- Share experiences and best practices in installation and operation of large HPC systems.
- Deep technical discussions with vendor development teams to improve products - we are not interested in marketing slides.

HPCXXL: Historic Overview

- Founded as SP-XXL in November 1998
 - *"... is an organized group of SP sites which work together to increase the capabilities of the SP for large-scale, parallel technical computing and to provide guidance to IBM on the essential development and support issues for large-scale technical SP systems."*

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- Focus widened later to all IBM HPC products (PowerX, Blue Gene/, iDataplex, GPFS, ...)

HPCXXL: Historic Overview

- The founding member institutions
 - Argonne National Laboratory
 - Cornell Theory Center
 - Lawrence Livermore National Laboratory
 - Maui High Performance Computing Center
 - Pacific Northwest National Laboratory
 - San Diego Supercomputer Center

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- 2013: Divestiture of IBMs x86 server branch to Lenovo announced
- 2014: Removed all vendor (IBM) specific wordings from the bylaws
- 2017: Changed the name to **HPCXXL**

HPCXXL: Charter

*"HPCXXL is a user group for sites which have large installations of IBM or Lenovo equipment. The focus of the HPCXXL group is on **large-scale scientific/technical computing** using IBM or Lenovo hardware. Some of the areas we cover are: **Applications, Code Development Tools, Communications, Networking, Parallel I/O, Resource Management, System Administration, and Training**. We address topics across a wide range of issues that are important to sustained multi-petascale scientific/technical computing on scaleable parallel machines."*

- Winter Workshop
 - Co-located with the HPC Advisory Council, Switzerland
 - One day of Lenovo NDA content
- Summer Workshop
 - (Mostly) North America
 - Mainly focused on IBM products
 - One dedicated GPFS day in collocation with the GPFS users group

HPCXXL: Membership

- Regular members shall be institutions that maintain a scalable, parallel (HPC) systems or storage installation.
- Member institutions must have an appropriate non-disclosure agreement in place with IBM and Lenovo.
- Hardware and software vendors may join as affiliate members (no voting rights).
- Members and affiliates are expected to participate actively in the HPCXXL meetings and activities.

HPCXXL: Current Board Officers

President	Michael Stephan	FZJ
Vice President	Michael Jennings	LANL
Treasurer	Robert Henschel	IU
Secretary	Stefano Gorini	CSCS
