

IBM, NVIDIA et Forschungszentrum Jülich fondent le POWER Acceleration and Design Center

Paris - 13 nov. 2014: IBM, NVIDIA et le Jülich Supercomputing Center, qui fait partie du plus grand institut de recherche allemand, annoncent aujourd'hui l'ouverture d'un nouveau centre de compétences pour faire avancer la création et l'optimisation des codes de recherches sur les systèmes compatibles à OpenPower accélérés par GPU.

Né de l'esprit de collaboration promu par la Fondation OpenPOWER et de l'engagement de ces trois organisations pour accélérer l'espace HPC, le POWER Acceleration and Design Center combine l'expertise technologique d'IBM et NVIDIA avec les capacités de recherche d'envergure mondiale du Jülich Supercomputing Center.

Cette nouvelle collaboration, en plus d'étendre les écosystèmes logiciels autour d'OpenPOWER, va créer de nouvelles opportunités pour développer des compétences avancées de High Performance Computing (HPC) et encourager la création de nouvelles technologies pour apporter de la valeur aux utilisateurs dans le monde. A travers la création de la Fondation OpenPOWER - une communauté de développement ouverte, formée à la fin de l'année 2013, avec plus de 70 membres à ce jour - un nouvel écosystème basé sur l'architecture POWER est en train d'émerger, et conduira à des solutions haut de gamme et novatrices pour les systèmes HPC.

*« L'ouverture de ce nouveau Centre renforce l'engagement d'IBM pour la mise en place d'un environnement de collaboration ouvert, et constitue notre prochaine étape pour étendre l'écosystème logiciel autour d'OpenPOWER, déclare **Dave Turek, Vice President Technical Computing OpenPOWER d'IBM**. Faire équipe avec NVIDIA et le Jülich Supercomputing Center nous permet de tirer profit de nos forces pour innover et apporter de la valeur à nos clients dans le monde entier. »*

Le Centre associe une équipe d'expert de l'IBM Research & Development Lab à Böblingen (Allemagne), de l'IBM Research Zurich (Suisse), du Jülich Supercomputing Centre et de NVIDIA (Allemagne).

IBM, Forschungszentrum Jülich and NVIDIA Team to Establish POWER Acceleration and Design Center

Armonk, NY, Jülich, Germany and Munich, Germany - 10 Nov 2014: IBM (NYSE: [IBM](#)), in collaboration with NVIDIA, and the [Jülich Supercomputing Center](#), part of the largest research center in Germany, today announced plans for a new competency center to advance the creation and optimization of research applications on GPU-accelerated OpenPOWER compatible systems.

Born out of the collaborative spirit fostered by the OpenPOWER Foundation and the commitment of these three organizations to advance the high performance computing (HPC) space, the POWER Acceleration and Design Center will be designed to combine the technology expertise of IBM and NVIDIA with the world-class research capabilities of the Jülich Supercomputing Center.

In addition to expanding software ecosystems around OpenPOWER, this new collaboration will create opportunities to develop advanced HPC skills and drive the creation of new technologies to bring value to customers globally. Through the creation of the OpenPOWER Foundation, an open development community formed in late 2013 with over 70 members to date, a new ecosystem based on the POWER architecture is emerging that will lead to novel solutions for high-end HPC systems.

*"Our plans for launching this new Center reinforces IBM's commitment to foster an open collaboration environment and is our next step in expanding the software ecosystem around OpenPOWER," said **Dave Turek, Vice President of Technical Computing OpenPOWER for IBM**. "Teaming with NVIDIA and the Jülich Supercomputing Center will allow us to leverage each of our strengths to extend innovation and bring value to our customers around the world."*

The Center will join together a team of experts from IBM Research & Development Lab in Böblingen (Germany) and IBM Research Zurich (Switzerland), the Jülich Supercomputing Center and NVIDIA (Germany).

*"Increasing application performance while minimizing energy consumption are challenges the industry faces in the race toward exascale computing," said **Stefan Kraemer, director of HPC Business Development EMEA at NVIDIA**. "By providing systems combining IBM Power CPUs and NVIDIA's Tesla GPU accelerators via the NVIDIA NVLink high-speed GPU interconnect technology, we can help the new center address both areas, and enable scientists to achieve new milestones in their research."*

Professor Thomas Lippert, Director of the Jülich Supercomputing Center, stresses: *"The POWER Acceleration and Design Center will help scientists and engineers to address the grand challenges facing society in the fields of energy and environment, information and health care using most advanced HPC architectures and technologies."*

IBM and Jülich have historically maintained a long-standing relationship which resulted in the installation of several generations of Blue Gene systems. Since 2011 IBM and Jülich have been collaborating on research on exascale architectures. A similar collaboration between NVIDIA and Jülich has existed since 2012. All three organizations – IBM Jülich and NVIDIA – are members of the OpenPOWER Foundation. Founding members IBM and NVIDIA share the common vision of bringing a new class of systems to market faster to tackle today's big data challenges.

About the OpenPOWER Foundation

The OpenPOWER Foundation is an open technical community based on the POWER architecture, enabling collaborative development and opportunity for member differentiation and industry growth. The goal of the Foundation is to create an open ecosystem, using the POWER Architecture to share expertise, investment, and server-class intellectual property to serve the evolving needs of customers and industry. Founded in late 2013, the organization now has over 70 members worldwide.

Further information

IBM: <http://www.ibm.com>

Jülich Supercomputing Centre (JSC): <http://www.fz-juelich.de/jsc>

NVIDIA: <http://www.nvidia.com>

OpenPOWER Foundation: <http://openpowerfoundation.org>
