A MONTHLY E-NEWSLETTER BY NSCC SINGAPORE

NEWSBYTES

ASPIRE 2A
NETWORKING

CORPORATE NEWS

A snapshot of NSCC Singapore's key updates and ongoing collaborations

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📌 Featured Read of the Month!

NSCC Singapore at SC25: Showcasing Singapore Research and Fostering International Partnerships

NSCC Singapore represented the nation’s HPC community at SC25, taking the opportunity to connect with partners, collaborators, and peers from around the world.

For this year’s exhibition, the team refreshed the booth concept and introduced a distinctive Singapore touch through a kopitiam-inspired design featuring Peranakan tile motifs and more. Numerous delegates visited the uniquely decorated space to learn more about Singapore’s HPC journey, national infrastructure, and upcoming national strategic developments. The team also conducted scheduled demonstrations of two key in-house initiatives aimed at optimising HPC resource use.

View the full recap of our activities and engagements

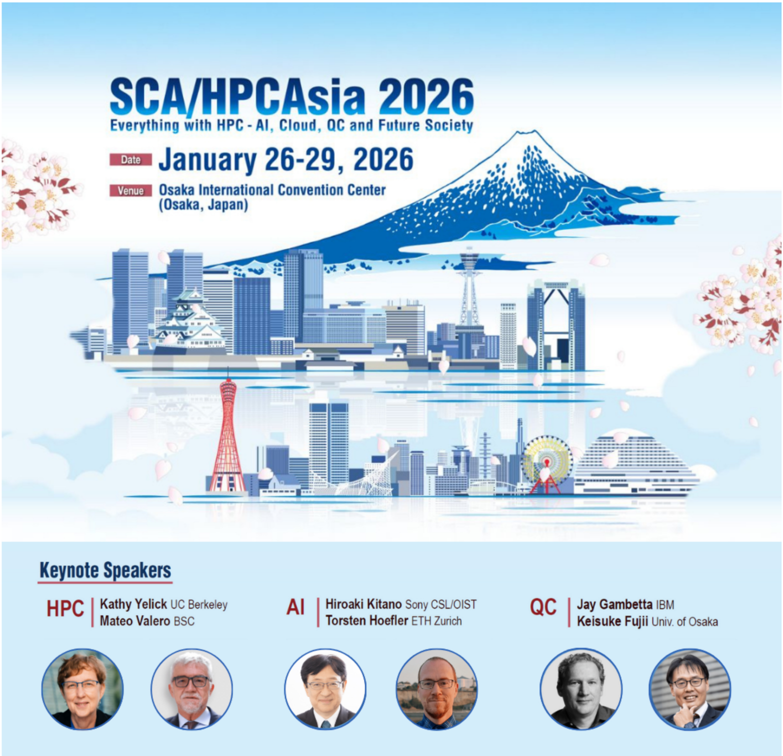
MoU Signing Ceremony
Accelerating Quantum Computing
EXIT
NUS

Image credit: Quantinuum

The Singapore Quantum Ecosystem’s New Collaboration with Quantinuum

Singapore’s national quantum ambitions reached an important milestone with the announcement of a new partnership between Quantinuum and the National Quantum Office (NQO). As part of this collaboration, NSCC Singapore will host Helios, Quantinuum’s latest quantum computer, adding a powerful new capability to Singapore’s research landscape and strengthening the nation’s push toward quantum-enabled innovation.

Read more


SCA/HPCAsia 2026
Everything with HPC - AI, Cloud, QC and Future Society
Date January 26-29, 2026
Venue Osaka International Convention Center (Osaka, Japan)
Keynote Speakers
HPC
Kathy Yelick UC Berkeley
Mateo Valero BSC
AI
Hiroaki Kitano Sony CSL/OIST
Torsten Hoefler ETH Zurich
QC
Jay Gambetta IBM
Keisuke Fujii Univ. of Osaka

Registration Now Open for SCA/HPCAsia 2026

Registration is now open for SCA/HPCAsia 2026, taking place from 26–29 January 2026 in Osaka, Japan. The theme “Everything with HPC – AI, Cloud, QC and the Future Society,” reflects the rapidly evolving HPC landscape where artificial intelligence, cloud computing, and quantum technologies converge. The conference will feature a dynamic programme of keynotes, Birds of a Feather discussions, workshops and more. The lineup of keynote speakers has been announced, featuring renowned leaders across HPC, AI, and quantum computing.

Read more

Building Capability and Community: NSCC Singapore's November ASPIRE 2A and ASPIRE 2A+ Workshops

In November, NSCC Singapore continued to support and grow the HPC community by conducting two hands-on training workshops for users of the ASPIRE 2A and ASPIRE 2A+ systems. These national supercomputers are widely used by researchers for complex simulations, data analytics, and AI workloads. The workshops were designed to help users better understand how to run their work more efficiently and effectively on these powerful systems.

Read more

Fostering Collaborations with Local and Overseas Partners

This month, NSCC Singapore welcomed two delegations — the A*STAR–KoolLogix Joint Lab and the Joint Universities Computer Centre (JUCC) Hong Kong — to our data centre, offering visitors a closer look at the ASPIRE 2A and ASPIRE 2A+ supercomputing systems and creating meaningful touchpoints for dialogue on research, technology, and future collaboration.

Read more

THE LAST BYTE

Shared reads and cool finds from the HPC world

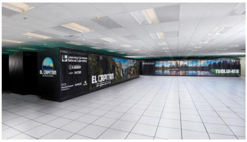
Singapore to set up first quantum computer for commercial use in 2026

Local firms will soon be able to harness the abilities of a new quantum computer set up in Singapore, which aims to accelerate the discovery of new drugs and financial derivative pricing. The Helios quantum computer, which will be set up in 2026, comes under a new partnership inked between the National Quantum Office (NQO) and US-based firm Quantinuum, which builds quantum computers. This will be the second quantum computer to be set up here and the first to be used for commercial purposes, said the two organisations and the National Quantum Computing Hub (NQCH) in a joint statement on Nov 6.

Read more

Image credit: Quantinuum

LLNL’s El Capitan Retains Title as World’s Fastest Supercomputer on Latest Top500 List



Lawrence Livermore National Laboratory's (LLNL) El Capitan once again claimed the top spot on the Top500 List of the world's most powerful supercomputers, announced at the 2025 International Conference for High Performance Computing, Networking, Storage and Analysis (SC25) conference in St. Louis. The National Nuclear Security Administration's (NNSA's) first exascale supercomputer, El Capitan — developed in partnership with HPE and AMD — retained its No. 1 ranking with a verified 1.809 exaFLOPs (quintillion calculations per second) on the organisation's High Performance Linpack (HPL) benchmark.

Read more

Image credit: Garry McLeod

World's Leading Scientific Supercomputing Centres Adopt NVIDIA NVQLink to Integrate Grace Blackwell Platform With Quantum Processors

NVIDIA announced that the world's leading scientific computing centres are adopting NVIDIA® NVQLink™, a first-of-its-kind, universal interconnect for linking quantum processors with state-of-the-art accelerated computing. Tapping the low-latency, high-throughput interconnect, more than a dozen supercomputing centres and national research institutions across Asia and Europe are joining U.S. facilities in advancing their ability to research, develop and harness the integration of quantum and classical hardware.

Read more

Image credit: NVIDIA

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