NEWSBYTES

Monthly E-Newsletter by NSCC Singapore

CORPORATE NEWS

A snapshot of NSCC's key updates and ongoing collaborations

Featured Read of the Month!

10 Years with NSCC: Charting the Future of Innovation

Charting the Future of Innovation.

SG NSCC SINGAPORE National Supercomputing Centre

Nearly four decades into Singapore’s supercomputing journey, the past decade has marked a defining chapter. From ASPIRE 1 through ASPIRE 2A/2A+ to ASPIRE 2B, the National Supercomputing Centre (NSCC) has evolved from operating national supercomputing infrastructure to delivering an integrated compute platform that powers AI, simulation, hybrid quantum classical computing and scientific discovery.

Working alongside research and industry partners, NSCC is helping Singapore advance breakthroughs in healthcare, materials discovery, climate resilience, AI, maritime engineering and national security, translating advanced computing into real world impact.

Read more

Applications Open: NSCC Open Hackathon

NSCC, along with NVIDIA and the OpenACC organization, will host a hackathon on the following dates:

- Day 0 (online): September 29, 2026
- Day 1-4 (in-person): October 6-9, 2026

This multi-day, hands-on event is designed for computational scientists, AI practitioners, researchers, and developers looking to accelerate and optimise real-world applications on modern data center architectures. Throughout the hackathon, teams will work closely with expert mentors to identify computational bottlenecks, improve application performance, and accelerate AI workloads using industry-leading programming models, libraries, and tools.

Read more

Engaging the Wider Community:
NSCC Welcomes MDDI and NRF to ASPIRE 2B Data Centre

NSCC welcomed a delegation from the Ministry of Digital Development and Information (MDDI) and the National Research Foundation (NRF) to the ASPIRE 2B Data Centre, home to Singapore’s newest and most powerful national supercomputer. The visit focused on understanding NSCC’s Strategic Resource Allocation Policy and how we are supporting Singapore's research ecosystem amid emerging trends, including the growing demand for AI-intensive workloads.

Read more

HPC PARTNER SHOWCASE
National Supercomputing Centre (NSCC) Singapore
Angie Huang
Deputy Director, Planning, Development & Business
National Supercomputing Centre (NSCC) Singapore
Healthcare AI Symposium

Healthcare AI Symposium
Healthcare Innovation Pitch Challenge 2026
Grand Prize Winner

Healthcare AI Symposium 2026:
NSCC to Award Healthcare Innovation Pitch Challenge Winners with National Compute Resources

This month, NSCC was honoured to be the HPC Partner to the Healthcare AI Symposium 2026 (HAI 2026), organised by the Agency of Science, Technology and Research Institute of Advanced Intelligence and Computing (A*STAR IAIC).

Under the theme “Designing the Future of Intelligent Health: Advancing Healthcare Through AI, MedTech and Digital Systems”, this year’s edition convened the healthcare innovation ecosystem to exchange ideas and forge multidisciplinary collaboration.

Read more

Empowering our Users: ASPIRE 2A Advanced Workshop on Parallel Profiling & Debugging

Advanced infrastructure is only as powerful as the skills used to drive it. Fully harnessing modern supercomputing requires specialised technical expertise. To help researchers maximise the capabilities of Singapore's national supercomputing systems, NSCC conducts regular training workshops to empower the community and equip them with the necessary skills.

Read more

THE LAST BYTE

Shared reads and cool finds from the HPC World

Photo Credit: Pawsey Supercomputing Centre

Pawsey: International HPC Summer School Debuts in Southern Hemisphere

Perth was host to the 16th International HPC Summer School – the first time the program has come to the Southern Hemisphere.The Hon Dr Parwinder Kaur MLC launched the event on behalf of Hon. Stephen Dawson MLC, WA Minister for Science and Innovation. The Pawsey Supercomputing Research Centre welcomed delegates and a very special keynote speaker, Professor Giuseppe Barca, a global leader in high-performance computing who uses exascale simulations to transform drug discovery and precision medicine.

Read more

Photo Credit: HPCWire

Jack Dongarra Discusses a Changing HPC World in ISC 2026 Closing Keynote

The HPC world is changing, according to Jack Dongarra, who delivered his first ever ISC keynote here in Hamburg, Germany on June 25. From changing hardware and software to the emergence of AI-based scientific techniques, the old order of HPC is being replaced by something new. The question is, how can HPC professionals chart a path forward?

Read more

DOCTOR
NURSE
IBM

Photo Credit: The Straits Times

SAF explores quantum computing for mission, logistics planning

The military is assessing if quantum computers can be used to optimise mission planning, possibly involving unmanned drones to identify hostile forces. On July 21, tech giant IBM, the Singapore Armed Forces’ Digital and Intelligence Service (DIS), and the Defence Science and Technology Agency (DSTA) announced a tie-up to drive this initiative.

Read more

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