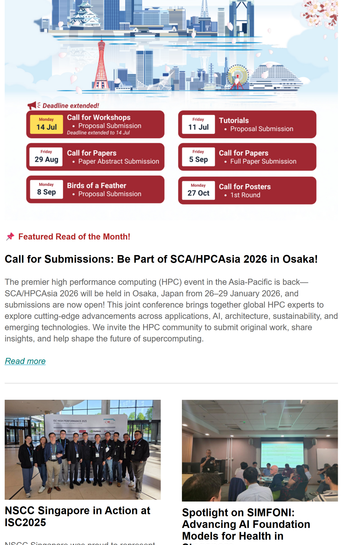
A MONTHLY E-NEWSLETTER BY NSCC SINGAPORE

NEWSBYTES

CORPORATE NEWS

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



📌 **Featured Read of the Month!**

Call for Submissions: Be Part of SCA/HPCAsia 2026 in Osaka!

The premier high performance computing (HPC) event in the Asia-Pacific is back—SCA/HPCAsia 2026 will be held in Osaka, Japan from 26–29 January 2026, and submissions are now open! This joint conference brings together global HPC experts to explore cutting-edge advancements across applications, AI, architecture, sustainability, and emerging technologies. We invite the HPC community to submit original work, share insights, and help shape the future of supercomputing.

Read more

NSCC Singapore in Action at ISC2025

NSCC Singapore was proud to represent the nation's HPC ecosystem at the ISC2025, which took place in Hamburg, Germany, from 10 to 12 June 2025. ISC 2025 provided an excellent platform for NSCC Singapore to showcase Singapore's cutting-edge HPC infrastructure, engage with international partners, and drive conversations around the future of supercomputing.

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Spotlight on SIMFONI: Advancing AI Foundation Models for Health in Singapore

Held on 21 June 2025, the half-day session brought together nearly 60 participants from across the HPC ecosystem and healthcare organisations. Supported by NSCC Singapore through compute infrastructure, the workshop provided a platform for participants to share their capabilities, use cases, challenges, and successes in applying AI and foundation models in healthcare settings.

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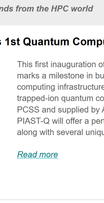
Finnish Business Council Visits NSCC Singapore's Data Centre

NSCC Singapore had the pleasure of hosting a delegation from the Finnish Business Council Singapore (FBC) at our Data Centre located at Innovation 4.0 building in National University of Singapore. The visit offered an exclusive, behind-the-scenes tour of ASPIRE 2A/2A+, Singapore's national supercomputers, and provided a platform for engaging dialogue on HPC and sustainable data centre operations.

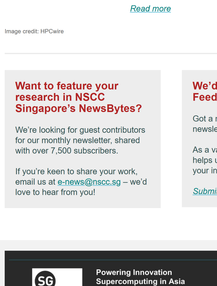
Read more



Navigating AI Deployment Risks in the Enterprise

Professor Alex Siow, Senior Advisor to NSCC Singapore, joined industry experts as a panelist at a recent session co-organised by the Cloud Security Alliance (CSA) Singapore Chapter and Huawei. The discussion focused on the challenges and risks of deploying generative AI solutions like DeepSeek, and how enterprises can navigate the evolving security landscape.

Read more



ASPIRE 2A Users Level Up Debugging and Profiling Skills

On 11 June 2025, NSCC Singapore hosted the ASPIRE 2A Advanced Workshop – Parallel Profiling and Debugging, bringing together users eager to sharpen their skills in optimising application performance on Singapore's national supercomputer.

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THE LAST BYTE

Shared reads and cool finds from the HPC world

EuroHPC Inaugurates 1st Quantum Computer PIAST-Q in Poland

This first inauguration of a EuroHPC quantum computer marks a milestone in building a European quantum computing infrastructure. PIAST-Q is a laser-based trapped-ion quantum computer, hosted and operated by PCSS and supplied by AQT, in Innsbruck, Austria. PIAST-Q will offer a performance of 20 physical qubits along with several unique features for European users.

Read more

Image credit: HPCwire

IBM and RIKEN Unveil First IBM Quantum System Two Outside of the U.S.

IBM and RIKEN have launched the first IBM Quantum System Two outside the U.S., co-located with the Fugaku supercomputer in Japan to advance hybrid quantum-classical computing. The system uses IBM's 156-qubit Heron processor, which outperforms the previous generation in both error rate and speed, achieving circuit operations 10× faster than before.

Read more

Image credit: Quantum Insider

Eight Key Questions About the Trillion Parameter Consortium (TPC) and TPC25 Event

Rapid changes in AI technology and the emergence of large language models (LLM) have created many opportunities for intelligent processes to aid all sectors of the economy, including Science and Engineering. While progress with LLMs has been startling, using this technology in the Sciences requires focusing on the needs unique to the scientific process. The TPC was started to address these needs and provide a community that supports AI for Science.

Read more

Image credit: HPCwire

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