A MONTHLY E-NEWSLETTER BY NSCC SINGAPORE

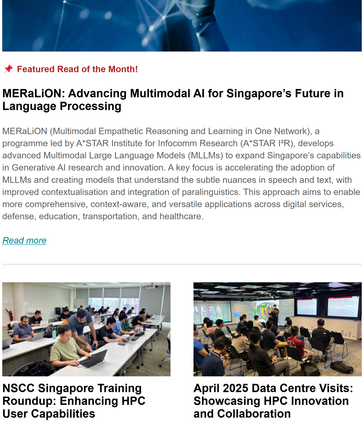
NEWSBYTES

Noticed something different?

Newsbytes has a fresh new look! We've revamped the newsletter to make it easier to read and catch up, even when you're on the go. Stay up-to-date with the latest news in a more seamless and accessible format. Enjoy the new experience!

CORPORATE NEWS

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

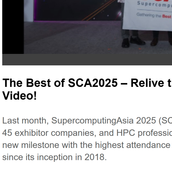


Featured Read of the Month!

MERaLiON: Advancing Multimodal AI for Singapore's Future in Language Processing

MERaLiON (Multimodal Empathetic Reasoning and Learning in One Network), a programme led by A*STAR Institute for Infocomm Research (A*STAR I²R), develops advanced Multimodal Large Language Models (MLLMs) to expand Singapore's capabilities in Generative AI research and innovation. A key focus is accelerating the adoption of MLLMs and creating models that understand the subtle nuances in speech and text, with improved contextualisation and integration of paralinguistics. This approach aims to enable more comprehensive, context-aware, and versatile applications across digital services, defense, education, transportation, and healthcare.

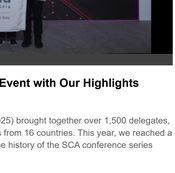
Read more



NSCC Singapore Training Roundup: Enhancing HPC User Capabilities

Across March and April, NSCC Singapore hosted a variety of workshops aimed at enhancing the skills of its users and local researchers. These sessions delved into critical areas of high performance computing (HPC), parallel computing environments, and job management techniques, all designed to equip participants with the tools and knowledge to take their research to the next level.

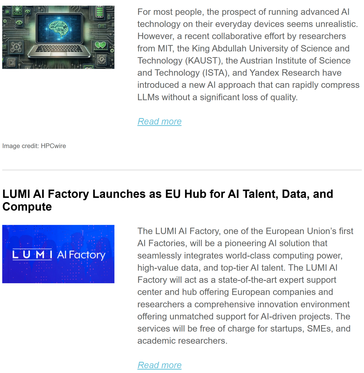
Read more



April 2025 Data Centre Visits: Showcasing HPC Innovation and Collaboration

April was a bustling month at our Data Centre located at National University of Singapore (NUS) Innovation 4.0 building, as we welcomed a diverse group of visitors eager to learn more about Singapore's HPC infrastructure and experience our innovative data centre cooling solutions designed for the tropics.

Read more



The Best of SCA2025 – Relive the Event with Our Highlights Video!

Last month, SupercomputingAsia 2025 (SCA2025) brought together over 1,500 delegates, 45 exhibitor companies, and HPC professionals from 16 countries. This year, we reached a new milestone with the highest attendance in the history of the SCA conference series since its inception in 2018.

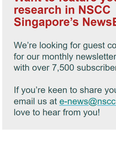
The SCA2025 post event highlights video captures the energy and inspiration from this year's conference — from dynamic keynotes and expert panels to interactive exhibitions and vibrant networking with top-tier academics, industry professionals, and global tech leaders.

Watch the best moments of the conference in our official highlight video!

THE LAST BYTE

Shared reads, cool finds, or things that made us pause from the HPC world

Quantum Computer Breakthrough: Fujitsu and RIKEN Lead the Way



On 22 April 2025, Fujitsu and RIKEN announced that they have developed a new superconducting quantum computer. At 256 qubits (a measure of computational power), it is one of the largest in the world. The companies unveiled the machine at RIKEN's facility in Wako City, Saitama Prefecture.

Read more

Image credit: Japan Forward

Research Suggests Powerful AI Models Now Possible Without High-End Hardware

For most people, the prospect of running advanced AI technology on their everyday devices seems unrealistic. However, a recent collaborative effort by researchers from MIT, the King Abdullah University of Science and Technology (KAUST), the Austrian Institute of Science and Technology (ISTA), and Yandex Research have introduced a new AI approach that can rapidly compress LLMs without a significant loss of quality.

Read more

Image credit: HPCwire

LUMI AI Factory Launches as EU Hub for AI Talent, Data, and Compute

The LUMI AI Factory, one of the European Union's first AI Factories, will be a pioneering AI solution that seamlessly integrates world-class computing power, high-value data, and top-tier AI talent. The LUMI AI Factory will act as a state-of-the-art expert support center and hub offering European companies and researchers a comprehensive innovation environment offering unmatched support for AI-driven projects. The services will be free of charge for startups, SMEs, and academic researchers.

Read more

Image credit: HPCwire

Want to feature your research in NSCC Singapore's NewsBytes?

We're looking for guest contributors for our monthly newsletter, shared with over 7,500 subscribers.

If you're keen to share your work, email us at e-news@nscc.sg – we'd love to hear from you!

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