



National Supercomputing Centre (NSCC) Singapore e-newsletter

NewsBytes

March 2020



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contact@nsc.sg

Final Call For Projects (July 2020 Cycle) for Supercomputing Resources

Have a need for high performance computing (HPC) in your research project? Or are you interested in supercharging your AI research work with supercomputing resources?

NSCC is pleased to announce the next **Call for Projects Proposal** for the **July 2020 cycle**.

Since July 2017, NSCC has allocated resources on a per-project basis to users who require resources beyond the personal quota of 50 GB storage and 100,000 CPU core hours for the ASPIRE 1 supercomputer.



NSCC is now accepting project proposals for allocating resources on the AI@NSCC Platform.

NSCC is also pleased to announce the deployment of the **AI@NSCC Platform**. The system consisting of six DGX-1 nodes are meant for projects that focus on AI research with the particular novelty on scale and/or throughput breakthrough. **NSCC is now accepting project proposals for allocating resources on the AI System.**

For more information about the Call for Projects, please visit <https://help.nsc.sg/nsc-call-for-project-application> or contact us at projects-admin@nsc.sg if you have any queries.

Application Period:

2 March 2020, 1000 hrs –
30 March 2020, 2359 hrs



Resources Allocation Period:

1 July 2020 –
30 June 2021

Want to know more about the ASPIRE 1 Supercomputer?

NSCC ASPIRE 1 Facility Information:
<https://help.nscg.sg/softwarehardware-information/>

NSCC ASPIRE 1 Software List:
<https://help.nscg.sg/software-list/>

How to get the best out of your HPC workloads

An Accelerated Computing Workshop hosted at NSCC was the platform for HPC users to learn how to maximise and optimise their HPC, Deep Learning and Machine Learning workloads.

The NVIDIA-organised workshop explored the value proposition of accelerated computing, in-depth architectural details of a GPU and provided an overview of the tools, libraries and technologies to accelerate High Performance Computing, Deep Learning and Machine Learning workloads. One of the examples was how users could accelerate simulation software like lattice Boltzmann-type codes using NSCC's resources.



Some 60 participants from research organisations such as A*STAR's IHPC, I2R, BII, IMRE, and agencies like DSO and DSTA attended the workshop which was conducted at NSCC and open to invited registered participants via video link.

The Last Byte...

Shared articles and news from the HPC world.

<SHARED CONTENT>

Supercomputers vs COVID-19

From sequencing virus genome to developing potential vaccines, supercomputers around

