

NCI eNews June 2018

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Understanding a devastating disease

Researchers are using new gene sequencing technology alongside high-performance computing at NCI to understand the genetics of one of the world's most devastating plant diseases: wheat stripe rust. [Read more.](#)



Quarterly system maintenance

All NCI systems will be offline for scheduled maintenance between 8am and 6pm AEST Monday 2 July. [Read more.](#)



Join our team

NCI is now seeking a Senior HPC Systems Specialist. Applications close 1 July. [Read more.](#)



World-leading ocean simulations

Researchers from the new ARC Centre of Excellence in Climate Extremes are leveraging NCI's huge supercomputing power to perform world-leading ocean simulations. They are using more than 500 computer-processing cores in parallel over thousands of hours to investigate fine-scale turbulence and convection in the Southern Ocean.

Turbulence and convection lead to ocean mixing, which plays a big role in moving heat, carbon and nutrients around the global ocean. Before now, theories assumed that the level of ocean mixing was uniform and quite low across the Southern Ocean. Now, this simulation reveals that there is much more ocean mixing going on than we thought.

Have questions? Need help?

Contact the NCI User Support Team:

help.nci.org.au

Access NCI's User Documentation portal:

opus.nci.org.au



Every month, NCI's User Services Team updates Raijin's software. This month, 23 new applications were installed, including:

- eigen/3.3.4
- intel-mpi/2018.3.039
- tensorflow/1.8-cudnn7.1-python3.6

See the full list [here](#).



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