NCI eNews October 2017

View this email in your browser
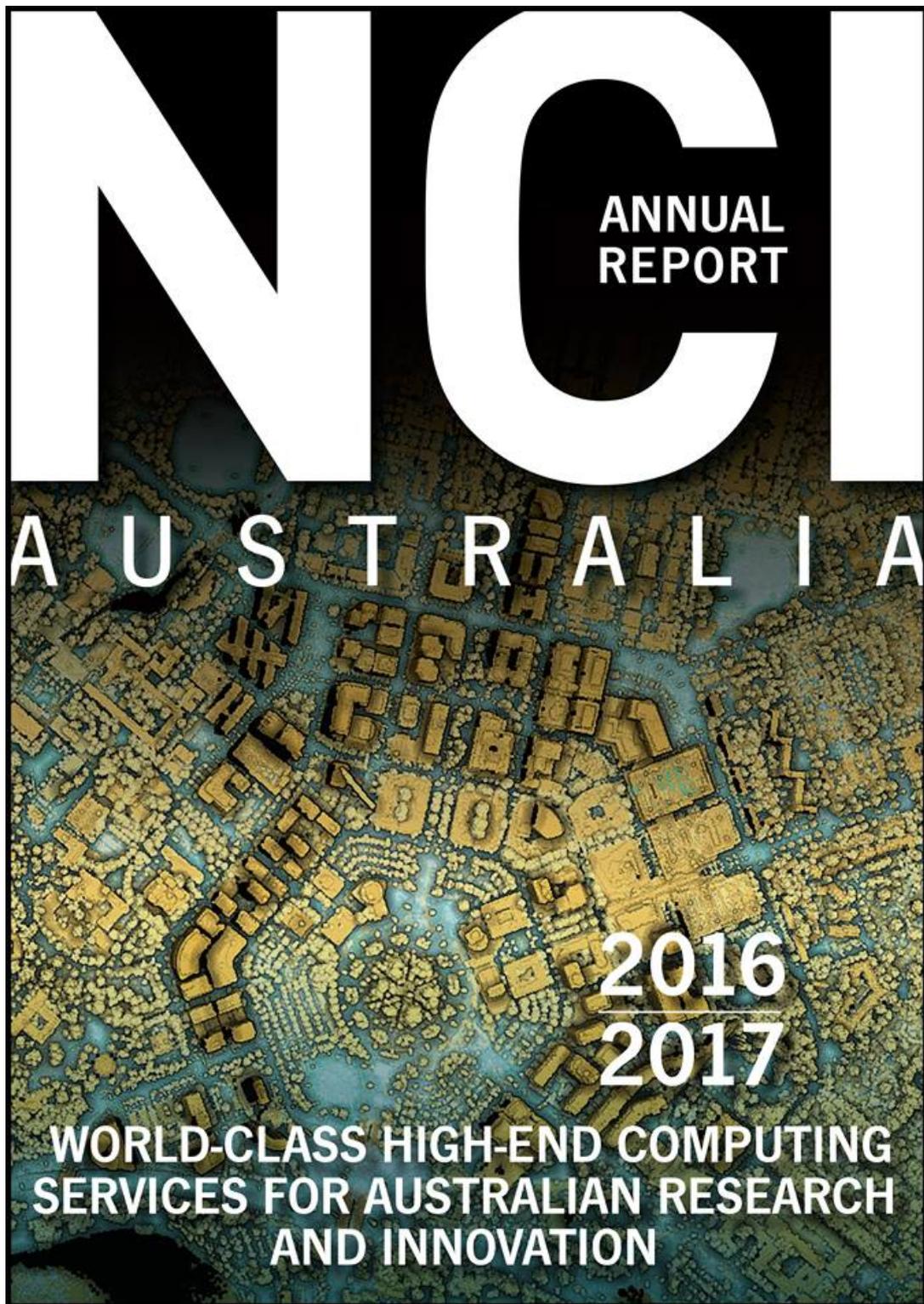

Workshop: Tips for developing and optimising scientific HPC applications
11&12 December 2017
Missing the vital warning signs of inefficient code behaviour will hinder your performance at any scale. In this Workshop, Allinea experts will provide
hands-on advice, customised for NCI users, for parallelisation and
development of more robust code. Read more.

NCI Annual Report released

Read about how NCI helps move Australian science forward with high-performance computing and innovative data services. Is your research featured? [Read more.](#)

Developing the latest climate model

CSIRO is using the supercomputing capability available at NCI to lead the development of the ACCESS climate model, in conjunction with the Bureau of Meteorology and the ARC Centre of Excellence for Climate System Science. Read more.

Next step in Australian genetic medicine

Researchers at the Garvan Institute of Medical Research are developing a ground breaking database of human genetic information using the unique facilities at NCI. Read more.
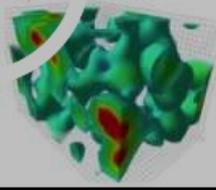
Revealing the origin of mass
NCI user and University of Adelaide researcher Professor Derek Leinweber speaks about his work on quantum chromodynamics, including a brief history of supercomputing and why it's important.
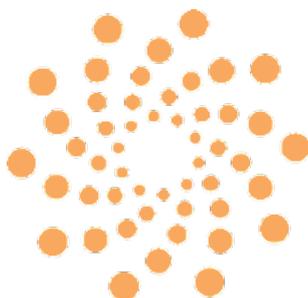

Frequently Asked Questions:

Do you have a job that needs a lot of memory?
Consider using the hugemem (1TB RAM; 400GB SSD) or megamem (3TB RAM; 800GB SSD) nodes. Read more.

How do the express queues differ from the normal queues?
Raijin's express queues are designed for testing, debugging and quick turnaround jobs. They have smaller limits than normal queues and are charged at triple the walltime rate. Read more.

Every month, NCI's User Services Team updates Raijin's software. This month, 31 new applications were installed, including:

- arpack-ng/3.5.0
- plumed/2.3.3
- gromacs/2016.3-plumed

See the full list here.

Upcoming Training:
11&12 Dec; Canberra; Workshop: Tips for developing and optimising scientific HPC applications. Read more.

@NCINews   **NCIAustralia**   **nci.org.au**   **NCINationalFacility**