

# ARCHER Training Courses

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General Overview

**EPSRC**

**NERC** SCIENCE OF THE ENVIRONMENT



**CRAY**  
THE SUPERCOMPUTER COMPANY

**epcc**



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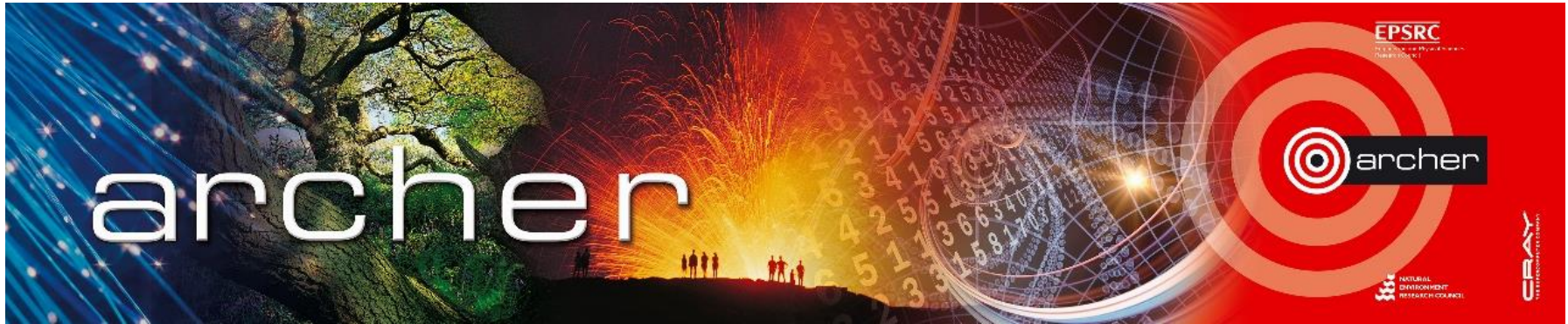
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- UK National Supercomputer Service, managed by EPSRC
  - housed, operated and supported by EPCC
  - hardware Supplied by Cray
- Training provided by the ARCHER Computational Science and Engineering (CSE) support team
  - 72 days per year at various locations round the UK
  - free to all academics



# What is EPCC?

- UK national supercomputer centre
  - founded in 1990 (originally Edinburgh Parallel Computing Centre)
  - a self-funding Institute at The University of Edinburgh
  - running national parallel systems since Cray T3D in 1994
  - around 65 full-time staff
  - a range of academic research and commercial projects
  - one-year postgraduate masters in HPC [www.epcc.ed.ac.uk/msc/](http://www.epcc.ed.ac.uk/msc/)
- Get in contact if you want to collaborate
  - many staff are named RAs on research grants
  - joint research proposals
  - European project consortia
  - ...



# Key ARCHER Resources

- Upcoming courses
  - <http://www.archer.ac.uk/training/>
- Material from past courses
  - [http://www.archer.ac.uk/training/past\\_courses.php](http://www.archer.ac.uk/training/past_courses.php)
- Virtual tutorials (online)
  - <http://www.archer.ac.uk/training/virtual/>
- Documentation
  - <http://www.archer.ac.uk/documentation/>



# Who am I?

David Henty [d.henty@epcc.ed.ac.uk](mailto:d.henty@epcc.ed.ac.uk)

- In charge of training at EPCC
  - MSc
  - PRACE Advanced Training Centre
  - ARCHER training programme
  - commercial training
  - ...
- Also do HPC research
  - new parallel programming models, accelerators, performance, ...



# Other Resources

- Please fill in the feedback form!
  - <http://www.archer.ac.uk/training/feedback/>
- General enquiries about ARCHER go to the helpdesk
  - [support@archer.ac.uk](mailto:support@archer.ac.uk)
- EPCC runs one-year taught postgraduate masters courses
  - ***MSc in HPC*** and ***MSc in HPC with Data Science***
  - awarded by the University of Edinburgh since 2001
  - scholarships available
  - <http://www.epcc.ed.ac.uk/msc/>





# MSc in HPC / HPC with Data Science



- taught by EPCC staff (plus options in Informatics, Maths, Physics, ...)
- 12 taught courses (8 months); research dissertation (4 months)





# Access to ARCHER (during course)

- Guest accounts for duration of course
  - should only be used in the classroom
- Accounts will be closed immediately after the course
  - all files etc will be deleted
- Take copies of all your work before course ends!
- Course materials (slides, exercises etc) available from course web page
  - archived on ARCHER web pages for future reference

