

Summary

What now?

EPSRC

CRAY
THE SUPERCOMPUTER COMPANY

NERC SCIENCE OF THE ENVIRONMENT

| epcc |

 **archer**



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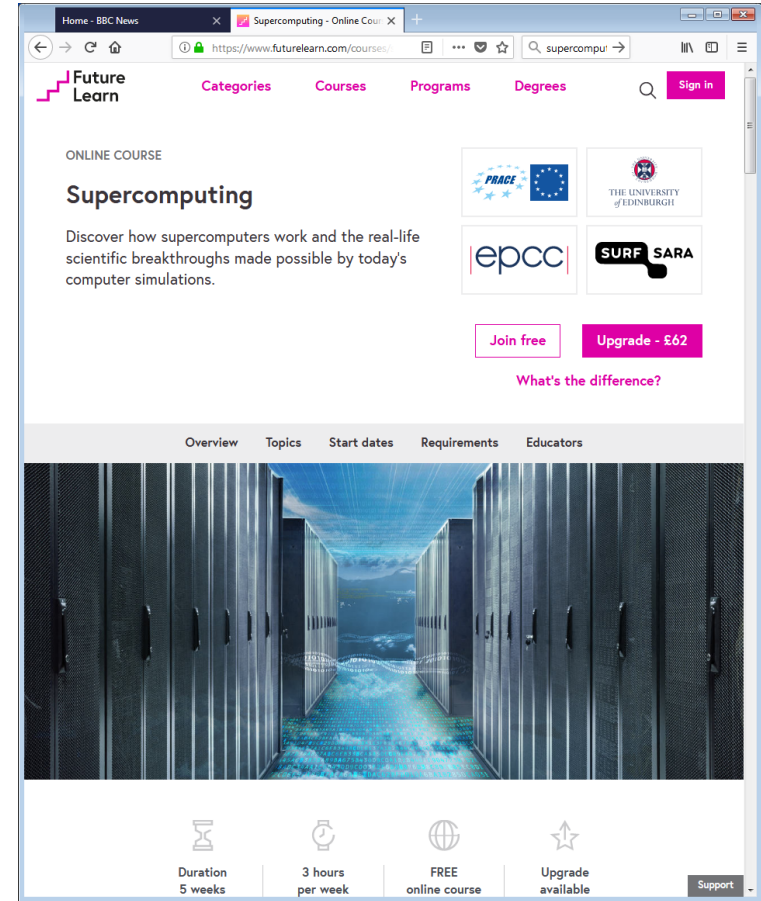
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Key ARCHER & PRACE resources

- Upcoming courses
 - <http://www.archer.ac.uk/training/>
- Material from past courses
 - http://www.archer.ac.uk/training/past_courses.php
- Virtual tutorials / webinars
(online, recordings on ARCHER YouTube channel)
 - <http://www.archer.ac.uk/training/virtual/>
- Documentation
 - <http://www.archer.ac.uk/documentation/>
- PRACE HPC training Courses:
 - <http://www.training.prace-ri.eu/>

PRACE / EPCC Supercomputing MOOC

- futurelearn.com/supercomputing
 - 5 weeks
 - free (with paid “upgrade” option)
 - conceptual
 - no computer programming required
- runs twice per year
 - typically thousands of “joiners”
 - several hundred active in final week
 - very collaborative
 - lots of support from fellow learners



EPCC online accredited courses

www.epcc.ed.ac.uk/online-courses

Online distance learning courses

epcc | 25TH ANNIVERSARY

COURSES APPLYING FEES & FINANCE CAREER PROSPECTS

Online courses in Data Science and in High Performance Computing.
Enhance Your Career!

Practical Introduction to Data Science

Data Science is a rapidly emerging, interdisciplinary field bringing together ideas from computer science, mathematics, statistics, software engineering and beyond. This online course introduces the concepts of data science and allows students to gain the basic skills expected of a data scientist. [More](#)

Practical Introduction to High Performance Computing

High Performance Computing (HPC) is a fundamental technology used in solving scientific and commercial problems. The course covers the concepts of HPC and allows students to explore them by running parallel programs on real HPC systems such as the UK national supercomputer ARCHER. [More](#)

- Run from January to June each year
 - entirely online: www.epcc.ed.ac.uk/online-courses/.
 - each course is 20 credits (c.f. a 180-credit MSc)

Other resources

- General enquiries about ARCHER go to the helpdesk
 - 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
 - taught by EPCC staff (plus options in Informatics, Maths, Physics, ...)
 - 12 taught courses (8 months); research dissertation (4 months)
 - <http://www.epcc.ed.ac.uk/msc/>

Access to ARCHER (during course)

- Guest accounts for duration of course
- Accounts will be closed immediately after the course
 - all files etc will be deleted
- Take copies of all your work before course ends!

Access to ARCHER (longer term)

- Various ways to apply for time on ARCHER
 - see <http://www.archer.ac.uk/access/>
- All require justification of resources
 - Instant Access has the lowest barrier to entry
 - designed for exploratory work, e.g. in advance of a full application
- Or take the “ARCHER Driving Test”
 - www.archer.ac.uk/training/course-material/online/driving_test.php
 - successful completion allows you to apply for an account for 12 months with an allocation of around 80,000 core-hours
 - backed up by online training materials
 - www.archer.ac.uk/training/course-material/online/

Access to HPC resources

- University / Institute cluster
- Regional / National HPC machines
- UK:
 - <http://www.hpc-uk.ac.uk/>
 - <https://hpc-uk.github.io/facilities-presentation/>
 - <https://youtu.be/YmL5zLw6Sx8>
 - <http://www.cirrus.ac.uk>
 - <http://www.archer.ac.uk>

Subscribing to ARCHER training emails

- Weekly service updates sent to registered ARCHER users
 - many contain information relevant to training
- You can subscribe to receive only training-related emails
 - even if you don't have an ARCHER account

- Visit:

`https://www.jiscmail.ac.uk/cgi-bin/webadmin?SUBED1=ARCHER-TRAINING&A=1`

Feedback and follow-up

- <http://www.archer.ac.uk/training/feedback/>

–Please fill in!