



Enabling Grids for
E-science in Europe

www.eu-egee.org

CERN : 18-19 May 2004

Induction to Grid Computing and the EGEE Project



EGEE is a project funded by the European Union under contract IST-2003-508833



Enabling Grids for
E-science in Europe

www.eu-egee.org

CERN : 18-19 May 2004

Introduction to the course

Mike Mineter
National e-Science Centre
Edinburgh



Goals

- This event will induct members of the EGEE project with no prior Grid experience.
- Participants will gain:
 1. Understanding of general Grid and e-Science concepts.
 2. Orientation to the EGEE infrastructure and middleware.
 3. Experience from use of an EGEE testbed GILDA, via the GENIUS portal.
 4. Understanding of the goals, context and structure of the EGEE project.
 5. Awareness of current project procedures and tools.

Outline

- Day 1:
 - Morning: Introductions to Grid computing, EGEE Grid middleware, GILDA and the GENIUS portal; job submission using GENIUS
 - Afternoon: Getting to know EGEE and the GILDA testbed; data management using GENIUS
- Day 2:
 - Morning: The EGEE project and its procedures
 - Afternoon: Continuing to use GILDA; looking to the future

Course leaders

- Valeria Ardizzone, Emidio Giorgio, Giuseppe La Rocca
INFN, Catania
- David Fergusson, Mike Mineter, Guy Warner
National e-Science Centre, Edinburgh

But before we start...

- Laptop registration to use the CERN network
- Plug-ins needed for practicals

Agenda: Day1

09:00	Introduction to Course	Mike Mineter
09:15	What are Grids and e-Science?	David Fergusson
10:00	An overview of the EGEE infrastructure and middleware	Flavia Donno
11:00	Coffee	
11:30	An introduction to the GENIUS portal	
12:00	Practical -1: Job submission using the GENIUS portal	
12:30	Lunch	
13:30	Further aspects of EGEE middleware: proxy certificates, the command line, and data management using GENIUS; Practical -2	
14:40	Coffee	
15:10	Practical – 2 cont.: Data management through the GENIUS portal	
16:45	Discussion	Mike Mineter
17:00	NA3 & NA4 members are invited to stay afterwards for an informal meeting	Close

Agenda: Day2

09:00	Introduction to the EGEE project	Fabrizio Gagliardi
09:40	EGEE infrastructure and fabric	Ian Bird
10:10	EGEE middleware	Erwin Laure
10:30	EGEE applications	Frank Harris
11:00	Coffee	
11:30	EGEE dissemination and training	Mike Mineter
11:50	EGEE project Management Procedures and Tools	Gabriel Zaquine
12:10	Discussion	
12:20	Lunch	
13:30	Some additional features of GENIUS	NeSC
13:40	GILDA certification procedure	Valeria Ardizzone
14:00	Looking to the Future	Vincent Breton
14:30	Final discussion	Mike Mineter
15:00	Close	