# EU DataGrid project
# Tutorial

**The European DataGrid Project Team**

**http://www.eu-datagrid.org**

# Introduction

- The tutorials are aimed at users wishing to "gridify" their applications using EDG software and are organized over 2 full consecutive days as follows:
  - Mornings – presentations on general grid concepts, user interface commands, grid components, future directions.
  - Afternoons – hands-on exercises covering user interface operation with job submission, aspects of data management and job monitoring
- Pre-requisites for participants:
  - No prior knowledge is required for the presentations.
  - Basic knowledge of Linux user environment (shells, editor, etc.) is necessary to complete the exercises.
- Participants must be pre-registered for the afternoon hands-on sessions since security certificates need to be issued to use the EDG testbed.

# Schedule

## DAY1

- Location: building 160 room 1-009

- Tutorial introduction
  Heinz Stockinger, **CERN**
- Introduction to Grid computing and overview of the DataGrid project
  **Bob Jones, CERN**
- Security
  **Akos Frohner, CERN**

Coffee

- Testbed overview
  **Mario Reale, INFN (Rome)**
- Job Submission
  **Massimo Sgaravatto, INFN (Padova)**

Lunch

- hands-on exercises: job submission
  - Location: building 160 room 1-009

## DAY2

- Location: building 160 room 1-009

- Data Management
  **Heinz Stockinger, CERN**
- Information systems
  **Flavia Donno, CERN**
- Fabric Management
  **Piotr Pozanski, CERN**

Coffee

- Applications and Use cases
  **Ingo Augustion, CERN**
- Future Directions
  **Erwin Laure, CERN**

Lunch

- hands-on exercises: data mgmt & info systems
  - Location: building 160 room 1-009

# Hands-on Exercises

- Working with your own laptop, you will connect to the EDG application testbed (EDG release 1.4.7)
  - This requires a security certificate and a user account on the User Interface machine
- You will receive an exercise book containing all the details of the exercises
  - Succession of increasingly sophisticated exercises exploring the different facilities of the EDG software
  - You work at your own pace
  - Helpers are around in case you have questions or run into problem

# We want your feedback

- Your feedback is actively sought
  - Please tell us of mistakes in the presentations
  - Similarly for the exercises
- Thanks to:
  - Mario Reale, Elisabetta Ronchieri, Akos Frohner, Erwin Laure, Peter Kunszt, Kurt Stockinger, Antony Wilson, Steve Fisher, Maite Barroso Lopez, Owen Synge, Emanuele Leonardi, Markus Schulz, Steve Traylen, Frank Bonnassieux, Christophe Jacquet, Sophie Nicoud, David Groep, Karin Burghauser & CERN training people