

Glenn Moloney: Australian participation in the world's largest eresearch infrastructure: the Worldwide LHC Computing Grid and the EGEE program

[View slides from this presentation](#)  (2.2 Mb)

Abstract

The EGEE collaboration (Enabling Grids for EscienceE) and the international high energy physics community have been building the world's largest international eresearch infrastructure: the Worldwide LHC Computing Grid. EGEE operates a "production" infrastructure across Europe, Asia and the Americas. The EGEE grid runs up to 50,000 jobs per month from applications in diverse research disciplines including high energy physics, earth sciences, and the life sciences.

An Australian node of the Worldwide LHC Computing Grid has been deployed at the University of Melbourne to support the data and computing needs of Australian physicists participating in the international ATLAS experiment, based at the CERN laboratory, near Geneva, Switzerland. We will present the status and plans for the EGEE middleware, gLite, and our experiences deploying an internationally federated research infrastructure in Australia. We will also present our plans for inter-operation with the APAC National Grid program and establishment of an Australian WLCG federation.

About the speaker

Glenn Moloney is a member of several large international high energy physics collaborations including the Belle experiment in Tsukuba, Japan and the ATLAS experiment at CERN, near Geneva, Switzerland. Glenn heads up the Australian high energy physics eresearch team, which has been active in eresearch and grid computing since 2000. He is also leader of the High Energy Physics Application Project of the APAC National Grid Program, and the Australian representative at the Worldwide LHC Computing Grid project as well as a collaborator in the EGEE-Asia federation. He has been actively involved in high energy physics eresearch collaboration across Asia, including Japan, Taiwan, Korea and China.

Printed from: <http://www.uq.edu.au/site/http://www.eresearch.edu.au/?page=63396&pid=63396>

[copyright](#) | [privacy](#) | [disclaimer](#)

© 2008 The University of Queensland, Brisbane, Australia

ABN 63 942 912 684, CRICOS Provider No: **00025B**

Last updated: 05 July 2007