Date: Feb 2009

The UJ Research Cluster Training Workshop will take place from :
Workshop :   Thursday 9 April - Tuesday 14th April.
                  Saturday 11 April and Sunday 12 April mornings are also included.
Development : Following the workshop, there will be an additional three weeks of tutorials and development based on the actual research applications of the participants. The goal is to complete the three week post workshop tutorial period and have all the high performance computing applications functional and running.

The training and development will be provided by Ben Clifford (Chicago University), funded by the Open Science GRID and the University.

Overview

UJ has recently installed and configured a Research Cluster for high performance computing. The current configuration has 96 compute cores, and this will be almost tripled in the near future. The UJ-Research Cluster is therefore a very significant resource.

- UJ scientists can run applications on the Research Cluster locally.
- UJ scientists can access the USA GRID (OSG), the SA National GRID (G-Lite) as well as the European GRID (G-Lite). The UJ Cluster is already configured and visible on both OSG and G-Lite grids

This intensive workshop will introduce the techniques of distributed computing for the science and engineering fields (others also welcome), with hands-on training in the use of the UJ Research Cluster for high performance computing. The post-workshop programme will be used for code development, customization and the paralellisation of applications, aiming at a situation where all participants are affective users of the UJ Research Cluster by the end of the period.

Registration

Register as soon as possible to ensure a place.
Send email to shconnell@uj.ac.za

Preparation

Participants should have at least intermediate programming skills (one to two semesters experience in C/C++, Java, Perl, and/or Python) and hands-on experience with UNIX / Linux in a networked environment.

Please visit http://physics.uj.ac.za/events/2009/Easter_Workshop for further information and pre-school learning material.

You are also invited to mail Ben Clifford benc@hawaga.org.uk to begin a discussion of the applications you would like to port to the cluster. This will allow him time to prepare for the development component of the program.

Current participant list for Cluster Training Workshop in April:

From IT:

Francois Wolmarans
Stavros Lambropoulos

From Particle Physics:

Simon Connell
Claire Lee
Doomnull Unwuchola
Phineas Ntsoele
Winile Sibande
(Martin Cook)
(Sergio Ballestrero) remote participant

From Astrophysics:

Chris Engelbrecht
Fabio Frescura
Sarah Buchner
Sashin Moonsamy
Garry Kemp
Peter Nicol
Nadine Oozeer
Jonathan Hartman
(Adrian Tiplady)

From Chemistry:

Reinout Meijboom
Fanie Muller