



Department of Physics - University of South Alabama
Presents Colloquium Speaker



Dr. Jorge L. Rodriguez
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Thursday, March 20, 2008
4:00 p.m., ILB Room 250



Grid Computing and the CMS Experiment at the Large Hadron Collider

In recent years Grid Computing has evolved into a reliable and robust means of providing scientific communities with convenient access to unprecedented amounts of computing. In the US the Open Science Grid (OSG) was developed in part to support one these communities, namely scientists working on the Large Hadron Collider (LHC) experiments at CERN near Geneva, Switzerland. With help of grid computing these communities are now poised to explore some of the most profound questions about the nature of matter, energy and the very fabric of space time. In this talk I will introduce the concept of grid computing. I will then describe a current implementation, the OSG highlighting its most important components and illustrate how these together form a computing grid. I will then describing how the OSG and its European counterpart the EGEE were used in a recent large scale world-wide computing and data movement exercise conducted by the Compact Muon Solenoid experiment one of the four LHC experiments.

All interested persons are invited to attend.
Refreshments are served at 3:45 p.m.

Host: Dr. R. Godang