Title: The GRID

Lecturer: Dr MENDEZ LORENZO, P

Date and Time: 6th August at 11:15

Summary of the proposed talk

The Grid infrastructure is a key part of the computing environment for the simulation, processing and analysis of the data of the LHC experiments. These experiments depend on the availability of a worldwide Grid infrastructure in several aspects of their computing model. The Grid middleware will hide much of the complexity of this environment to the user, organizing all the resources in a coherent virtual computer center. The general description of the elements of the Grid, their interconnections and their use by the experiments will be exposed in this talk. The computational and storage capability of the Grid is attracting other research communities beyond the high energy physics. Examples of these applications will be also exposed during the presentation.

Prerequisite knowledge and references

References: http://www.glite.org www.cern.ch/lcg
              https://edms.cern.ch/file/722398//glite-3-UserGuide.pdf

Prerequisite Knowledge: Not required

Biography

Doctor Patricia Mendez Lorenzo:
Brief CV:
- 1996: Licenciada in Physics at the University of Salamanca (Spain)
- 1997: Diploma Physic in High energy Physics at the LMU University in Munich (Germany)
- 2001: Doctor in Physics at the LMU University in Munich (Germany) with the thesis: "Determination of the W Mass in pure leptonic channel with the data of the OPAL detector at CERN"
- 2001-2003:Member of the Geant4 group
- 2003: CERN-INFN Fellow. Member of the LCG/EGEE and ARDA groups
- 2006: CERN Staff Member working in the ARDA Group