Contribution ID: **4** Type: **Poster**

The commissioning of CMS computing centres in the WLCG Grid

Tuesday, 23 September 2008 16:47 (1 minute)

Describe the added value of the grid for your activity, or the value your tool or service adds for other grid users. This should include the scale of the activity and of the potential user community, and the relevance for other scientific or business applications.

Abstract (continued):

CMS has established a procedure to extensively test all relevant aspects of a Grid site, such as the ability to efficiently use their network to transfer data, the functionality of all the site services relevant for CMS and the capability to sustain the various CMS computing workflows (Monte Carlo simulation, event reprocessing and skimming, data analysis) at the required scale. This contribution describes in detail the procedure to rate CMS sites depending on their performance, including the complete automation of the program, the description of monitoring tools, and its impact in improving the overall reliability of the Grid from the point of view of the CMS computing system.

Describe the activity, tool or service using or enhancing the EGEE infrastructure or results. A high-level description is needed here (Neither a detailed specialist report nor a list of references is required).

Abstract:

The computing system of the CMS experiment works using distributed resources from more than 80 computing centres worldwide. These centres, located in Europe, America and Asia are interconnected by the Worldwide LHC Computing Grid. The operation of the system requires a stable and reliable behaviour of the underlying infrastructure.

Report on the impact of the activity, tool or service. This should include a description of how grid technology enabled or enhanced the result, or how you have enabled or enhanced the infrastructure for other users.

Note: Description of activity, added value and impact are shown on the abstract.

Primary authors: Dr SCIABÀ, Andrea (CERN, Geneva, Switzerland); Dr FLIX MOLINA, Jose (Cent. Invest. Energ. Medioamb. Tec. (CIEMAT) , Madrid, Spain)

Co-authors: Dr FANFANI, Alessandra (Universita degli Studi di Bologna, Bologna, Italy); Dr WHÜRTHWEIN, Frank (University of California at San Diego, San Diego, United States); Dr FISK, Ian (Fermi National Accelerator Laboratory, Batavia, United States); Dr LETTS, James (University of California at San Diego, San Diego, United States); Dr HERNANDEZ, Jose (Cent. Invest. Energ. Medioamb. Tec. (CIEMAT) , Madrid, Spain); Dr KLEM, Jukka (Helsinki Institute of Physics, Helsinki, Findland); Dr MAGINI, Nicolo (CERN, Geneva, Switzerland); Dr BELFORTE, Stefano (INFN, Sezione di Trieste, ITaly); Dr MICCIO, Vincenzo (CERN, Geneva, Switzerland)

Presenter: Dr FLIX MOLINA, Jose (Cent. Invest. Energ. Medioamb. Tec. (CIEMAT) , Madrid, Spain)

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