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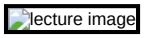

CCT Colloquium Series

A Distributed Organization for Scientific and Academic Research

Zeno Dixon Greenwood
Center for Applied Physics Studies (CAPS)
Johnston Hall 338
May 12, 2006 - 03:00 am

Abstract:
Member institutions of the DØ experiment at the Fermilab Tevatron and the ATLAS or CMS experiments at the LHC in Europe, have formed the Distributed Organization for Scientific and Academic Research (DOSAR). A consortium of universities in the US, Brazil, Mexico and India, DOSAR is a federated computing grid organization encompassing numerous institutional grids. While founded for High Energy Physics (HEP) research, DOSAR enables researchers and educators at the federated institutions to access grid resources outside the HEP context and is a catalyst in establishing state-wide grid structures. This talk will describe the architecture of the DOSAR VO, the use and functionality of the grid, and the experience of operating the grid for simulation, reprocessing and analysis of data from the Dzero experiment.

Speaker's Bio:
At Louisiana Tech University, Dr. Z.D. (Dick) Greenwood is actively involved in High Energy Physics (HEP) research as a member of the Center for Applied Physics Studies (CAPS). Dr. Greenwood earned his Ph.D. at the University of South Carolina where he did Neutrino Physics research under Prof. F.T. Avignone. He continued research in this area with the Reines Neutrino Group at UC-Irvine before joining the faculty at Louisiana Tech. At LaTech, Dr. Greenwood was a founding member of the CAPS team doing HEP research on the Dzero Experiment at Fermilab. On Dzero, Dr. Greenwood has been active in the development of grid computing clusters for remote analysis and instrumental in the formation of the Distributed Organization for Scientific and Academic Research (DOSAR).

Center for Computation & Technology
2003 Digital Media Center • Telephone: +1 225/578-5890 • Fax: +1 225/578-8957