



UPE Seminar: Bioinformatics



Presented by: **David Angulo**
Friday, February 18th, 6:00-7:00 pm
Illinois Bio-Grid Lab Tour: 7:00-7:30 pm

Loop Campus, CTI Building Room 226

RSVP by February 11, 2005 to deltaupe@cti.depaul.edu

Refreshments will be provided
Great Giveaways

Proteomics and Computational Health Science Tools on the Illinois Bio-Grid

Dave will discuss his research in Grid technology and Bioinformatics tools using Grid technology. His research covers computational Protein folding, Mass Spectrometry analysis, Phylogenetics, and Genomic Pattern Searching. The software tools developed will handle such things as High Throughput Screening (HTS) using his Grid tools like his High Throughput Task Distributor. Other software tools developed will handle protein identification. Screening and identification are important for disease diagnostics and for disease research, and some of his tools are being co-developed by the Center for Oncology. No biological background for attendees will be presumed for this talk.

About the Speaker:

Dave spent 20 years in the industry as a programmer in several high tech companies. About 1998, he changed careers to go into Education. He taught at Loyola Chicago, University of Chicago, and then DePaul. He also spent 3 years doing research programming in The Globus Project at University of Chicago and at Argonne National Laboratories. Dave is chair of the Life Sciences Grid Research Group in the Global Grid Forum, and is the founder of the Illinois Bio-Grid. He has won several awards at top conferences for his research. He also has an NSF grant that funds undergraduate research fellowships (<http://reu.cti.depaul.edu>).

For more information regarding Upsilon Pi Epsilon,
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