

**e-Research Seminar - Professor Daniel Katz,
The Louisiana Model for Advancing Regional Cyberinfrastructure**

Date: Tuesday, 9th December

Time: 3.30pm – 4.30pm (Tea/coffee from 3.15pm)

Where: Room 135, Bldg 26, Clayton campus

Louisiana researchers and universities are leading a concentrated, collaborative effort to advance state-wide cyberinfrastructure: computing systems, data storage systems, advanced instruments and data repositories, visualization environments, and people, all linked together by software and high performance networks. This effort has led to a set of interlinked projects that have started making a significant difference to the state and has created an environment that encourages increased collaboration. This talk describes the overall effort, the new projects and environment, and the results to-date.

Biography: Daniel S. Katz

Daniel S. Katz is Director for Cyberinfrastructure Development in the Center for Computation and Technology (CCT), and Adjunct Associate Professor in the Department of Electrical and Computer Engineering at Louisiana State University (LSU). Previous roles at JPL, from 1996 to 2006, include: Principal Member of the Information Systems and Computer Science Staff, Supervisor of the Parallel Applications Technologies group, Area Program Manager of High End Computing in the Space Mission Information Technology Office, Applications Project Element Manager for the Remote Exploration and Experimentation (REE) Project, and Team Leader for MOD Tool (a tool for the integrated design of microwave and millimeter-wave instruments). From 1993 to 1996 he was employed by Cray Research (and later by Silicon Graphics) as a Computational Scientist on-site at JPL and Caltech, specializing in parallel implementation of computational electromagnetic algorithms.

His research interests include: numerical methods, algorithms, and programming applied to supercomputing, parallel computing, cluster computing, and embedded computing; and fault-tolerant computing. He received his B.S., M.S., and Ph.D degrees in Electrical Engineering from Northwestern University, Evanston, Illinois, in 1988, 1990, and 1994, respectively. His work is documented in numerous book chapters, journal and conference publications, and NASA Tech Briefs. He is a senior member of the IEEE, designed and maintained (until 2001) the original website for the IEEE Antenna and Propagation Society, and serves on the IEEE Technical Committee on Parallel Processing's Executive Committee, and the steering committee for the IEEE Cluster and IEEE Grid conference series.

For further details on Daniel Katz refer to url: <http://www.cct.lsu.edu/~dsk/>