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Preserving Digital Data

First Floor Auditorium, ECS Building

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Abstract:

The preservation of data requires many of the same capabilities needed to share data across administrative domains. In both cases, a shared collection is created whose management properties are maintained independently of the original storage systems. I will present the fundamental data management concepts that govern the use of data grid technology in applications as persistent archives and digital libraries. The data management concepts will be illustrated with lessons learned from production persistent archives developed for NARA, NHPRC, and the National Science Digital Library.

Bio:

Dr. Moore is Program Director of Data Intensive Computing Environments at the San Diego Supercomputer Center. Moore has a Ph.D. in plasma physics from the University of California, San Diego, (1978) and a B.S. in physics from the California Institute of Technology (1967). He coordinates research efforts on application of the Storage Resource Broker distributed data management system to digital libraries, data grids, and persistent archives for 13 research grants ranging from the NSF National Virtual Observatory, to the NSF National Science Digital Library persistent archive, to the DOE Particle Physics Data Grid, and the NARA Prototype Persistent Archive.