NHPRC

ELECTRONIC RECORDS RESEARCH FELLOWSHIPS SYMPOSIUM

FRIDAY, NOVEMBER 16, 2007

Grants

Symposia

Mentoring

http://ils.unc.edu/nhprcfellows

A JOINT PROJECT OF THE SCHOOL OF INFORMATION AND LIBRARY SCIENCE AND THE ACADEMIC AFFAIRS LIBRARIES AT THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL AND THE UNIVERSITY OF MICHIGAN SCHOOL OF INFORMATION

SCHOOL OF INFORMATION
UNIVERSITY OF MICHIGAN

NHPRC ELECTRONIC RECORDS RESEARCH FELLOWSHIPS SYMPOSIUM NOVEMBER 16, 2007

SCHEDULE

8:30 Registration & Coffee

9:00 Introduction and Welcome

9:15 Keynote Presentation: Richard Marciano and Reagan Moore
"The Evolution of Data Curation: Towards Policy-driven Collection Management"

* 10:30 Break *

10:50 Daphne DeLeon, Nevada State Library and Archives: "Global
XML Data Model: New Mexico Public Records."

11:30 Don Chalfant & Kathy Jordan, The Library of Virginia:
"Developing Processing Practices and Workflows for Electronic Archival
Records."

 * 12:10 Lunch *

1:30 Erin O'Meara, University of Oregon Libraries: "A
Recordkeeping Framework for Social Scientists Conducting
Data-Intensive Research."

2:10 Kari Smith, University of Michigan School of Information:
"Implications of the Bioterrorism Act of 2002 on Electronic Record
Keeping in the Wine and Grape Industries."

* 2:50 Break *

3:10 William Wallach, University of Michigan, Bentley Library:
"Reflections on the Bentley Fellowship Program"

3:25 Joan Krizack, Northeastern University: "The NHPRC
Electronic Records Fellowships in Boston."

3:40 Paul Conway, University of Michigan School of Information: "The NHPRC Electronic
Records Fellowships at Carolina."

4:10 Discussion

NHPRC ELECTRONIC RECORDS RESEARCH FELLOWSHIPS SYMPOSIUM: PRESENTERS

KEYNOTE PRESENTATION

Richard Marciano and Reagan Moore

The Evolution of Data Curation: Towards Policy-driven Collection Management

Preservation can be thought of as communication with the future. We know that the future will use new storage systems, new representation information, and provide new services. Preservation is also the management of communication from the past. We want to make assertions about authenticity, integrity, and chain of custody based on prior management policies. Policy-driven collection management such as the integrated Rule-based Data system (iRODS) addresses both challenges. The iRODS data system implements data curation processes as micro-services that can be migrated to new storage systems over time. iRODS implements management policies as rules that control the execution of the micro-services. The rule system can be updated dynamically, can be tuned to express each community's management policies, and enforces periodic validations of assertions about collection properties.

Reagan Moore is Director of Data Intensive Computing Environments group at the San Diego Supercomputer Center. He coordinates research efforts in development of data grids, digital libraries, and preservation environments. Developed software systems include the Storage Resource Broker data grid and the integrated Rule-Oriented Data System. Supported projects include the National Archives and Records Administration Transcontinental Persistent Archive Prototype, the National Science Foundation National Science Digital Library persistent archive, the California Digital Library Digital Preservation Repository, and the Worldwide Universities Network data grid. An ongoing research interest is use of data grid technology to automate execution of management policies and validate trustworthiness of repositories.

Moore has been at SDSC since its inception in 1986, initially being responsible for operating system development. Prior to that he worked as a computational plasma physicist at General Atomics on equilibrium and stability of toroidal fusion devices. He 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).

Richard Marciano is Director of the Sustainable Archives & Library Technologies (SALT) Laboratory and Lead Scientist in the DICE group (Data Intensive Computing Environments) at the San Diego Supercomputer Center (SDSC), at the University of California San Diego (UCSD). He is also an Affiliated Professor in the Urban Studies and Planning Program in the Division of Social Sciences and founding member of the Regional Workbench Consortium (RWBC) at UCSD. The SALT Lab is an interdisciplinary unit focused on developing information technology strategies and conducting research in the area of

digital materials & records collection and preservation. Richard Marciano's interests are with data management, digital archiving and long-term preservation. Current research projects include PAT Persistent Archives Testbed), eLegacy (preservation of geospatial data), T-RACES (cyberinfrastructure for the humanities), WRAP (preservation workflows for digital video), informatics for urban planning environments, and the NARA research prototype persistent archives.

Marciano holds degrees in Avionics and Electrical Engineering (National School of Civil Aviation, Toulouse, France), M.S. and Ph.D. in Computer Science from the University of Iowa, and worked as a Postdoc in Computational Geography.

2006-2007 NHPRC ELECTRONIC RECORDS RESEARCH FELLOWS

Daphne DeLeon
Nevada State Library and Archives

Global XML Data Model – New Mexico Public Records

Daphne DeLeon received her Bachelor's Degree in History with a minor in French (1989) and her Master's Degree in History with a subspecialty in Archival Management (1994) from the University of California at Riverside. She has been a member of the Academy of Certified Archivists, Society of American Archivists, Society of Southwest Archivists, and the Historical Society of New Mexico since 1998. DeLeon was employed by the New Mexico State Records Center and Archives from June 1998 to July 2007. She is currently the Division Administrator for the Nevada State Library and Archives.

Project Abstract:

The Global XML Data Model – New Mexico Public Records will test the extensibility of the Global Judicial XML Data Model. Through an examination of the common New Mexico state government records as described in the general retention and disposition schedules for administrative (1.15.2 NMAC), personnel (1.15.6 NMAC) and financial (1.15.4 NMAC) records, information needs for the appropriate management of these electronic records will be distilled. A comparison between the identified information needs of the general records and the data structure and elements defined in the Global Judicial XML Data Model will be conducted. The project goal is to create a XML data model for common government records based on the Global Judicial XML Data Model.

Don Chalfant & Kathy Jordan
The Library of Virginia

Developing Processing Practices and Workflows for Electronic Archival Records

Don Chalfant is the Archival Electronic Records and Special Media Coordinator for the Library of Virginia. He supervises the electronic records, audio, video, and film collections and is involved in the development of an electronic records archive for state, local, and private papers collected by the LVA. Most recently, Don was the Electronic Records Archivist for the South Carolina Department of Archives and History where he helped develop guidelines for the management of electronic records and assisted state agencies on electronic records issues. He earned a MSLS from the University of North Carolina-Chapel Hill and