Presenter's Biographies

Bruce Ambacher has held a wide variety of assignments in his more than 30 year career at the National Archives and Records Administration (NARA). The majority of these assignments have focused on NARA's electronic records program. In January 2007 he retired and became a Visiting Professor at the University of Maryland's (UMD) iSchool.* Dr. Ambacher is a member of the Society of American Archivists. He was elected a Distinguished Fellow of the in 2000 and a member of Council for 2007-2010.

Robert Chadduck is the Principal Technologist and director of NARA's Electronic Records Archives (ERA) Research Division. His career experience includes analysis of technical issues regarding electronic records collections of the President, the Congress, the Judiciary and Federal agencies; contributions to numerical models supporting U.S. Navy military and civilian force planning; and the development of oceanographic tidal hydrodynamic numeric bay and ocean models. Mr. Chadduck has participated in a variety of subcommittees and working groups exploring technologies related to topics such as human-computer interaction and data management, mass storage systems, science data, and information assurance. He currently serves on a White House subcommittee on Networking and Information Technology Research and Development (NITRD), and is NARA's liaison to the National Science Foundation's Blue Ribbon Task Force on Digital Preservation.

Mark Conrad is an Archives Specialist in the ERA Research Division. He works with NARA staff, computer scientists, and engineers from around the world to ensure that the ERA program takes advantage of the latest relevant technological developments in building the ERA System. From September 1998 through 2003, Mr. Conrad was the Director for Technology Initiatives at the National Historical Publications and Records Commission (NHPRC). From 1991 to 1998, he was an appraisal and accessioning archivist in NARA's Center for Electronic Records. From September 1995 to June 1996, Mr. Conrad was a visiting Fulbright Scholar in the Archives Department of University College Dublin, Ireland, where he taught courses on electronic records issues. From 1990 to 1991, he was the first electronic records archivist at Penn State University.

Nariman Farvardin became Senior Vice President for Academic Affairs and Provost at the University of Maryland (UMD), College Park in July 2007. He is also a professor of electrical and computer engineering. Previous positions include chair of the university's Department of Electrical and Computer Engineering (1994-2000), and dean of the A. James Clark School of Engineering (2000-2007). As UMD Dean, Dr. Farvardin promotes the development of innovative educational programs especially in the areas of undergraduate research and technology entrepreneur-ship; reorganized infrastructure to improve service and productivity; and he has developed a strong public aware-ness drive to communicate the school's strengths and accomplishments to its many constituencies, resulting in increased partnerships with industry and strong philanthropic support.

A Fellow of the Institute of Electrical and Electronics Engineers (IEEE), Dr. Farvardin is a widely respected researcher in communications and information theory. His research interests include information theory and coding; multimedia signal compression and trans-mission; high-speed communication networks, and wireless networks. He has more than 150 technical papers in archival journals and conference proceedings. Farvardin received his B.S., M.S., and Ph.D. degrees in Electrical Engineering from Rensselaer Polytechnic Institute in 1979, 1980 and 1983, respectively.

David Giaretta currently works on the Cultural, Artistic and Scientific knowledge for Preservation, Access and Retrieval (CASPAR) project. Additional information about CASPAR is available at http://www.casparpreserves.eu/ and information about the Digital Curation Centre (DCC) is available at http://www.dcc.ac.uk/.

Adil Hasan is a research fellow at the University of Liverpool and works on a flagship EU project on digital preservation. He has experience in the area of data grids, having pioneered the use of data grids (specifically the Storage Resource Broker) for the BaBar particle physics experiment whilst employed at the Stanford Linear Accelerator Center. He has also been responsible for the deployment and development of data grid technology for the Science and Engineering Facilities Council in the UK. (Note: Mr. Hasan is giving the presentation for Paul Watry, Session #5)

Joseph JaJa is Professor of Electrical and Computer Engineering and of the Institute for Advanced Computer Studies at UMD, College Park. Dr. JaJa received his Ph.D. degree in Applied Mathematics from Harvard University and has since published extensively in a number of areas including parallel and distributed computing, combinatorial optimization, algebraic complexity, VLSI architectures, and data-intensive computing. His current research interests are in digital preservation, parallel algorithms, and scientific visualization. Dr. JaJa has received numerous awards including the IEEE Fellow Award in 1996, the 1997 R&D Award for the development software for tuning parallel programs, the ACM Fellow Award in 2000, and the Internet2 IDEA Award in 2006. He has served on several editorial boards, and is currently serving as a subject area editor for the Journal of Parallel and Distributed Computing and as an editor for the International Journal of Foundations of Computer Science.

David Kepley is Transition Officer for NARA's ERA system and serves on a variety of NARA Integrated Product Teams (IPTs) that analyze NARA business processes that can be automated by ERA. He is chair of the Business Process IPT that articulates business objects, data elements, and business rules, including business functions such as records scheduling, transferring, ingesting, and verifying electronic records using ERA. Dr. Kepley manages a wide portfolio of IT investments on behalf of the Assistant Archivist who is responsible for the historical records in the Washington, DC, area. For example, he is a Project Manager for the Access to Archival Databases (AAD) project, which was released to the public in February 2003. AAD provides public access to some of NARA's most popular historical databases via the web.

Michael J. Kurtz is the Assistant Archivist for Records Services (Washington, DC), with responsibility for all records management, archival, and public outreach program functions performed by NARA in the Washington, DC area. He joined NARA in 1974 and has worked in a variety of archival and management positions. Since 1990, he has been an Adjunct Professor at the UMD iSchool*, where he teaches a course on the management of cultural institutions. Dr. Kurtz received his B.A. degree (1972) in history from The Catholic University of America, and his M.A. (1974) and Ph.D. (1982) in modern European history from Georgetown University. He was inducted into Pi Gamma Mu, Phi Beta Kappa, and received the Phi Alpha Theta award for outstanding scholarship in history given by Catholic University in 1972.

Scott Leonard is the Electronic Records Specialist for the Kansas State Historical Society (since February 2001), and State Records Manager (since August 2007). He works with state and local government agencies on managing information in all formats, and serves as the Project Manager for the Kansas State Publications and Archival Collections (KSPACe), a digital repository of state publications. Mr. Leonard is also Chair of the Kansas Electronic Records Committee, whose team is tasked with the oversight of the Kansas IT Architecture. Prior to arriving in Kansas he was the liaison between the State Archives of Michigan and local governments, providing guidance on records management and archival issues. He has a Master of Library Science degree with an archives concentration from the University of Maryland, College of Information Studies and a Bachelor of Science degree in education from Concordia College, NE.

Reagan Moore is Director of the Data Intensive Cyber Environments (DICE) group at the School of Information and Library Science at the University of North Carolina at Chapel Hill. He coordinates research efforts in the development of data grids, digital libraries, and preservation environments. Dr. Moore has also developed software systems including the Storage Resource Broker data grid and the integrated Rule-Oriented Data System (iRODS). He has supported projects including NARA's Transcontinental Persistent Archive Prototype (TPAP), the National Science Foundation's National Science Digital Library persistent archive, and science data grids for seismology, oceanography, climate, high-energy physics, astronomy, and bio-informatics.

An ongoing research interest is the use of data grid technology to automate execution of management policies and validate trustworthiness of repositories. Dr. Moore's previous roles include Director of the DICE group at the San Diego Supercomputer Center (SDSC), and Manager of production services at SDSC. He previously 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).

Martha Morphy has been Assistant Archivist for Information Services and NARA's Chief Information Officer (CIO) since December 2005. She is responsible for all NARA IT projects, including the acquisition of NARA's ERA System – a system that preserves and provides long-term access to uniquely valuable electronic records of the U.S. Government, and transitions government-wide management of the lifecycle of all records into the realm of e-government. Ms. Morphy has an MS in Computer Systems Management from the Rochester Institute of Technology and a BS in Education with a concentration in Mathematics from the State University of New York at Oswego.

C. D. Mote is President of the University of Maryland and Glenn L. Martin Institute Professor of Engineering. He was recruited to lead UMD to national eminence under a state mandate. Dr. Mote encourages an environment of excellence across the University and gives new impetus to the momentum generated by a talented faculty and student body. In 2005, the University was ranked 18th among public research universities, up from 30th in 1998.

Dr. Mote's research lies in dynamic systems and biomechanics. Internationally recognized for his research on the dynamics of gyroscopic systems and the biomechanics of snow skiing, he has produced more than 300 publications, holds patents in the U.S., Norway, Finland and Sweden, and has mentored 56 Ph.D. students. He received his B.S., M.S. and Ph.D. in mechanical engineering from the University of California, Berkeley. President Mote has received numerous awards and honors, including the Humboldt Prize awarded by the Federal Republic of Germany. He is a recipient of the Berkeley Citation from the University of California, Berkeley, and was named Distinguished Engineering Alumnus. He has received two honorary doctorates. He is a member of the U.S. National Academy of Engineering and serves on its Council, and is a member of the American Academy of Arts and Sciences.

Lucy Nowell is Program Director for Data, Data Analysis and Visualization in the Office of Cyberinfrastructure at National Science Foundation (NSF), and is also a Chief Scientist from the Information Analytics group at Pacific Northwest National Laboratory (PNNL). She manages the NSF program on Sustainable Digital Data Preservation and Access Network Partners (DataNet), along with a variety of smaller programs and projects related to data and visualization. Her research interests include

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technical, social, and policy issues related to long-term data preservation and use; user interaction with information in the context of massive data; usability engineering for information exploitation systems and digital electronic libraries; cognitive issues in user interface design; information visualization; intelligent user modeling and intelligent user interfaces; and information storage and retrieval.

Dr. Nowell's own research has centered on applying her knowledge of visual design, perceptual psychology, human-computer interaction, and information storage and retrieval to problems of understanding and navigating in very large information spaces, including digital libraries. Her degrees include a PhD in Computer Science, from Virginia Polytechnic Institute and State University (Virginia Tech), Blacksburg, Virginia, and an MS in Computer Science, from Virginia Tech, Blacksburg, Virginia.

Doug Oard is Associate Dean for Research at the UMD iSchool* and holds joint appointments as Associate Professor in the iSchool and in the university's Institute for Advanced Computing Studies. His research is focused on the design and evaluation of interactive systems to support search and sense-making in large collections of character-coded, scanned, and spoken language holdings. He is best known for his work on cross-language information retrieval. Since 2006 he has helped to coordinate evaluation of information retrieval techniques for e-discovery in the TREC Legal Track. Dr. Oard earned his Ph.D. in 1996 in Electrical Engineering from the University of Maryland, College Park.

John Ockerbloom is a Digital Library Architect and Planner for the University of Pennsylvania Libraries. He received a Ph.D. in computer science from Carnegie Mellon. He recently chaired a Digital Library Federation task force to recommend standard machine interfaces for integrated library systems supporting discovery applications. Dr. Ockerbloom's interests include information discovery, digital preservation, data formats, and open access issues. He edits the Online Books Page and blogs on Everybody's Libraries at http://everybodyslibraries.com/

Evan Owens is the Chief Technology Officer of Portico (www.portico.org), a not-for profit organization whose mission is to preserve scholarly literature published in electronic form and to ensure that these materials remain accessible to future scholars, researchers, and students. Prior to joining Portico, he worked for many years at the University of Chicago Press, where he was responsible for the design and implementation of electronic publishing systems including web peer review, electronic editing, SGML-based typesetting, and online e-journal publishing. He has been involved in preservation-related activities since the early 1990s, including participating in one of the Mellon Foundation funded e-journal archiving study projects and serving on the PREMIS working group that defined a set of essential preservation metadata. He currently serves on the advisory board for the NLM E-Journal Tag Set, the NISO Standards Architecture Committee, and the British Library External Technical Advisory Panel.

William Regli is a Professor of Computer Science at Drexel University with joint appointments in Mechanical Engineering and Electrical and Computer Engineering; and Director of Drexel's Applied Communications and Information Networking Program. Dr. Regli has interdisciplinary research interests and his contributions span several computer science and engineering fields (artificial intelligence, solid modeling and graphics, CAD/CAM integration, mechanical design, and wireless networks). Since 1997 his research has been sponsored by a wide variety of organizations supporting over 150 graduate and undergraduate students and producing four patent filings and over 150 technical publications.

Dr. Regli's research awards include major grants under each of NSF's interdisciplinary research initiatives of the past decade: KDI, ITR, and Cyber-Infrastructure programs. Nine of his undergraduates have been acknowledged by the Computing Research Association. Dr. Regli is the recipient of many awards, including the NSF CAREER Award, an NRC Postdoc, NIST Special Service Award, the Drexel College of Engineering Research Award, CERDEC Director's Award, and co-recipient of the Army's 2006 International Collaboration and IDGA's Best NCW Program Award. He is a life member of AAAI and Sigma Xi, and a Senior Member of IEEE and ACM.

Rick Rogers is President of Fenestra Technologies, one of Lockheed Martin's ERA teammates. On the ERA program, Mr. Rogers collaborated with NARA to refine ERA's concept of operations and business processes, and he contributed to the Lockheed team's preservation solution. Mr. Rogers holds an MBA from the University of Chicago, and his company specializes in providing engineering services for mission critical projects that require innovation.

Don Sawyer recently retired from NASA after 20 years of service that included development of trapped radiation models, design and development of multi-parameter science data processing systems, establishment of the NASA/Science Office of Standards and Technology at the National Space Science Data Center, and interim Head of the National Space Science Data Center.

He was also chair of the Archive Ingest Working Group within the Consultative Committee for Space Data Systems (CCSDS), a co-editor of the "Reference Model for an Open Archival Information System (OAIS)", and an active participant in the development of the "Trustworthy Repositories Audit & Certification: Criteria and Checklist" document. He is now a consultant under VIE, Inc. and continues to do research work on standards use and application – including development of the CCSDS/ISO "Producer-Archive Interface Specification" and update of the OAIS reference model.

Sylvia Spengler is Program Director of the Information Integration & Informatics (III) Cluster at the National Science Foundation.

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Ken Thibodeau is Director of NARA's ERA Program Management Office. He has over 30 years experience in archives and records management, and is an internationally recognized expert in electronic records. Dr. Thibodeau taught at the University of Notre Dame and was Chief of the Records Management Branch of the National Institutes of Health before becoming the Director for NARA's Center for Electronic Records in 1988.

In 1996, he was Director of the Department of Defense (DoD) Records Management Task Force, which revised DoD's Records Management policy and developed the DoD Records Management Application Standard, 5015.2-STD, a standard that has become both the U.S. Government's standard and the de facto standard of other governments and corporations for records management software. Dr. Thibodeau studied at Fordham University in New York and the University of Strasbourg, France. He earned a Ph.D. in the history and sociology of science from the University of Pennsylvania. In recent years, he has been a visiting professor at the Sorbonne in France, and a guest lecturer at universities in the U.S., Canada, Germany, and Italy. A Fellow of the Society of American Archivists, he has published over 30 papers and spoken at more than 150 conferences around the world.

Adrienne Thomas is Deputy Archivist of the United States. Since January 2008, she has assisted the Archivist of the United States in managing NARA; she is also the agency's Chief Financial Officer, responsible for its budget and financial operations. Ms. Thomas continues to serve as Assistant Archivist for Administration, a position she has held since 1994, responsible for space and security management, procurement, human resources, and management of Archives I and Archives II. The renovation of Archives I was recently one of her current top projects, along with the construction of a new regional archives facility in Atlanta. Prior to 1994, Ms. Thomas was the Deputy to the Assistant Archivist for Administrative Services, a position in which she led NARA's six year effort to design and construct Archives II. Ms. Thomas is a graduate of Iowa State University with a Masters degree in American history. She started her career at the National Archives as an archivist trainee in the Office of Presidential Libraries.

Helen Tibbo is a Professor at the School of Information and Library Science (SILS) at the University of North Carolina at Chapel Hill and teaches in the areas of archives and records management, digital curation, electronic retrieval, and reference. Dr. Tibbo earned her Ph.D. from the University of Maryland College Park in Library and Information Services and has Master's degrees in Library and Information Science and American Studies. She is a Fellow of the Society of American Archivists and is the founder of the SAA Research Forum.

Paul Watry is Professor of Computational Linguistics in the School of English at the University of Liverpool. He is a co-founder of the UK National Text Mining Centre and has been active in researching the areas of digital libraries, data grids, and persistent archives for over a decade. He is the Technical Director of the European SHAMAN Integrated Project (digital preservation). With Tom Phelps, he has engineered the introduction of preservation technologies (Multivalent) into the grid; and, with Ray Larson and Robert Sanderson, has engineered the integration of digital library technologies (Cheshire system) into the data grid. Dr. Watry has been active in multiple digital library projects and services, including the UK Archives Hub service for analog archives; and the Incunabula Short Title Catalogue for the British Library (both distributed projects). He has also directed the engineering of virtual research environments for the JISC based on the Multivalent technology. An additional area of specialization is computational linguistics; he is researching areas of lexical priming and computational linguistics.

Allen Weinstein was confirmed as the ninth Archivist of the United States in February 2005. Weinstein, a former Professor of History who has held positions at Boston University, Georgetown University, and Smith College, is the author of numerous essays and books, including The Story of America (2002), The Haunted Wood: Soviet Espionage in America—The Stalin Era (1999), Perjury: The Hiss-Chambers Case (1978 & 1997), and Freedom and Crisis: An American History (3rd edition, 1981).

From 1985 to 2003, Professor Weinstein served as President of The Center for Democracy, a non-profit foundation based in Washington, DC, which he created in 1985 to promote and strengthen the democratic process. His international awards include the United Nations Peace Medal (1986) and The Council of Europe's Silver Medal (twice, in 1990 and 1996). His other awards and fellowships have included two Senior Fulbright Lectureships, an American Council of Learned Societies Fellowship, the Commonwealth Fund Lectureship at the University of London, and a Woodrow Wilson International Center for Scholars Fellowship.

Eliot Wilczek is the Records Manager in the Digital Collections and Archives at Tufts University, and presently serves as Project Director of a National Historical Publications and Records Commission (NHPRC) electronic records program expansion grant. He was also a co-principal investigator on a NHPRC electronic records research project that Tufts completed with Yale University in 2006. Mr. Wilczek has taught archives and records management courses as an adjunct instructor at the Graduate School of Library and Information Science at Simmons College and is currently enrolled in the School's PhD program. Mr. Wilczek has a M.S. in Library and Information Science and a M.A. in History from Simmons College.

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