

Coalition for Networked Information Fall 2012 Membership Meeting

December 10-11, 2012

Washington, DC

#cni12f

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**CNI Fall 2012 Membership Meeting
SCHEDULE-AT-A-GLANCE**

MONDAY, DECEMBER 10

8:30 a.m.

Executive Roundtable (*Ohio*)
prior registration only

11:00 a.m.

Registration Opens
(*Foyer I*)

11:30 a.m.

Orientation for First-Time Attendees
(*Senate*)

12:15 p.m.

Break
(*Foyer I*)

1:15 p.m.

OPENING PLENARY SESSION (*Presidential BR*)
Overview of the 2012-2013 CNI Program Plan
Clifford Lynch

2:15 p.m.

Break
(*Foyer I*)

CNI Fall 2012 Membership Meeting SCHEDULE-AT-A-GLANCE

MONDAY, DECEMBER 10

2:30 p.m.

PROJECT BRIEFINGS

Digital Preservation Network	<i>Presidential BR</i>
New Tools for Enabling Research	<i>South American B</i>
Massive Open Online Courses	<i>Federal A</i>
Ithaka S+R's Research Support	<i>Federal B</i>
E-Science Institute	<i>Pan American</i>
Est. Infrastructures for Pub. Innov. & the Law: Text Mining	<i>South American A</i>
Leveraging Digital Library Infra.	<i>Statler A/B</i>
	<i>Massachusetts</i>

3:30 p.m.

Break (*Foyer I*)

4:00 p.m.

PROJECT BRIEFINGS

The Research Data Alliance	<i>Presidential BR</i>
What We're Learning from E-Text	<i>South American B</i>
The PressForward Project	<i>Federal A</i>
Preservation & the Cloud	<i>Federal B</i>
Library Publishing Coalition	<i>Pan American</i>
Service Family Research Data	<i>South American A</i>
Extensible App for Dig. Collection	<i>Statler A/B</i>
Doing Data Together	<i>Massachusetts</i>

5:00 p.m.

Break (*Foyer I*)

5:15 p.m.

PROJECT BRIEFINGS

Academic Preservation Trust	<i>Presidential BR</i>
Student Driven Innovation	<i>South American B</i>
Force11: Research Communication	<i>Federal A</i>
Data Mining at Duke	<i>Federal B</i>
eTexts at Illinois	<i>Pan American</i>
Open Annotation Update	<i>South American A</i>
SURFconext	<i>Statler A/B</i>
Olive: Executable Content	<i>Massachusetts</i>

6:00 p.m.

Reception (*Congressional*)

CNI Fall 2012 Membership Meeting SCHEDULE-AT-A-GLANCE

TUESDAY, DECEMBER 11

7:30 a.m.	Breakfast (<i>Congressional/Senate</i>)																
9:00 a.m.	PROJECT BRIEFINGS																
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2:00 p.m.	Break (<i>Foyer I</i>)																
2:15 p.m.	CLOSING PLENARY SESSION (<i>Presidential BR</i>) Hunter R. Rawlings III (Association of American Univ)																
3:30 p.m.	Meeting Adjourns																

Monday, December 10

1:15-2:15 p.m.

Presidential Ballroom

OPENING PLENARY SESSION

Welcome

Overview of the 2012-2013 CNI Program Plan

Clifford Lynch
Executive Director
Coalition for Networked Information

<http://www.cni.org/program/>

Tuesday, December 11

2:15-3:30 p.m.

Presidential Ballroom

CLOSING PLENARY SESSION

Hunter R. Rawlings III President Association of American Universities

Hunter R. Rawlings III became president of the Association of the American Universities on June 1, 2011. Prior to this position, Rawlings served as president of Cornell University from 1995 to 2003, and as interim president for one year between 2005 and 2006. He served as president of the University of Iowa from 1988 to 1995.

A national spokesperson for higher education, Rawlings has served as chair of both the Association of American Universities and the Ivy Council of Presidents. He is a member of the American Academy of Arts and Sciences, and he serves on the boards of the American School of Classical Studies in Athens, Haverford College, and the National Academy Foundation.

Born in Norfolk, Virginia, Rawlings graduated from Haverford College, with honors in classics, and received his Ph.D. degree, also in classics, from Princeton University. His scholarly publications include the book *The Structure of Thucydides' History* (Princeton University Press, 1981).

Monday, December 10, 2012 2:30-3:30 PM Presidential Ballroom

Digital Preservation Network Update

James L. Hilton
Vice President
and Chief Information Officer
University of Virginia

Steven Morales
Program Director
Digital Preservation Network

This session will address the progress that has been made in the six months since the Digital Preservation Network (DPN) was announced. With almost 60 institutional members, DPN builds upon the higher education community's current preservation efforts by creating a federated preservation network, owned by and for the academy, which will provide secure digital archiving of the scholarly and cultural record. At the heart of DPN is a commitment to replicate the data and metadata of research and scholarship across diverse software architectures, organizational structures, geographic regions, and political environments. Replication diversity, combined with succession rights management, will ensure that future generations have access to today's discoveries and insights.

<http://www.d-p-n.org>

Monday, December 10, 2012 2:30-3:30 PM South American B

New Tools for Enabling Research: DMP Tool, DataUp, and DataONE

William Michener
Professor and Director of DataONE
University Libraries
University of New Mexico

Carly Strasser
Data Curation Specialist
University of California Curation Center
California Digital Library

John Kunze
Associate Director
University of California Curation Center
California Digital Library

Three new data-centric developments that support scientists throughout the research data life cycle are highlighted in this session: the DMPTool, DataUp, and DataONE. The DMPTool is an online "wizard" that helps scientists and data librarians create comprehensive data management plans that meet sponsor requirements for well-documented, high-quality, sharable, and interpretable data. The DataUp tool enables the protection of the long-tail distribution of data (those data that all too frequently become orphaned) by helping scientists organize their tabular data (i.e. Microsoft® Excel), document it with standard metadata, and archive the data in a repository. Finally, DataONE, which became operational in July 2012, provides mechanisms to search data repositories worldwide for relevant biological, ecological, environmental and Earth science data (over 200,000 data products and growing weekly), as well as access to tools that support all aspects of the data life cycle and that are integrated with the data resources. In combination, the three new tools can greatly increase the nature and pace of science as will be demonstrated via several relevant examples.

**<http://dataone.org>
<http://dataup.cdlib.org>
<http://dmptool.org>**

Monday, December 10, 2012 2:30-3:30 PM Federal A

Massive Open Online Courses as Drivers for Change

Lynne O'Brien
Director, Academic Technology & Instructional Services
Duke University

Since announcing a partnership with Coursera in July 2012, Duke has launched two Massive Open Online Courses (MOOCs) and has eight more in development. Spanning humanities, social sciences and science topics, these courses have over 320,000 enrollments as of October 2012. Duke's goals in experimenting with MOOCs are to drive teaching innovation in both campus-based and online courses, to extend Duke's commitment to knowledge in service to society, and to expand Duke's reach and reputation in a global environment.

This presentation will:

- Describe how the Coursera partnership has shaped campus discussions about higher education and teaching
- Discuss the impact of MOOCs on library planning and academic technology support
- Share early feedback from students and faculty about the MOOC teaching and learning experience

The session also will explore the rapidly evolving format of MOOC courses and consider what the implications may be for campus-based courses in the near future.

<http://cit.duke.edu>

Monday, December 10, 2012 2:30-3:30 PM Federal B

Ithaka S+R's Research Support Services: Recommendations for Addressing the Needs of Chemists and Historians

Roger Schonfeld
Program Director, Ithaka S+R
ITHAKA

Deanna Marcum
Managing Director, Ithaka S+R
ITHAKA

Over the past year, Ithaka S+R has conducted studies of the changing research methods and practices of scholars in two major fields: history and chemistry. At the spring 2012 Coalition for Networked Information (CNI) meeting, researchers shared background information about this new program of work. This presentation will include the comprehensive findings regarding the needs of scholars in these fields to facilitate discussion about implications for the CNI community.

For history, even when research methods remain fairly traditional, new practices are transforming the needs of historians. For chemistry, thinking about the needs of the laboratory group and not just the individual chemist may open up new avenues for research support. This session will include recommendations for possible service models to address these needs, and it will also include extended discussion about the feasibility of these service models and others that may build on our findings.

Monday, December 10, 2012 2:30-3:30 PM Pan American

E-Science Institute: An Approach to the Challenge of Digital Research

Mackenzie Smith
University Librarian
University of California, Davis

Gary Strong
University Librarian
University of California, Los Angeles

Valorie Hollister
Director of Community Programs
DuraSpace

Last year the Association of Research Libraries/Digital Library Federation (DLF) E-Science Institute was created to help research libraries develop strategic agendas for e-research support, with a particular focus on the sciences. The Institute consisted of a series of interactive modules that took small teams of individuals from academic institutions through a dynamic learning process to strengthen and advance their strategy for supporting digitally dependent research, such as e-science or computational linguistics. The coursework included a series of exercises for teams to complete at their institutions, and culminated with an in-person workshop. Local institution assignments helped staff establish a high level understanding of research support background needs and issues. The first cohort of the Institute included seventy institutions and was well received.

Demand has continued to grow, so the DuraSpace organization is partnering with DLF to continue the Institute into the future. The second cohort is now underway, concluding with a Capstone event immediately following this Coalition for Networked Information meeting. The Institute has been improved based on feedback from the first cohort and is poised to help libraries of all types (large academic, college, corporate, public, government, etc.) develop approaches to digital research support, individually and collectively.

This presentation will include an overview of the challenges facing universities and libraries in dealing with digital research and especially data, the E-Science Institute approach of Strategic Agendas, a case study from a member of the Institute's first cohort (University of California, Los Angeles), and an overview of the current Institute managed by DuraSpace.

**<http://www.arl.org/rtl/eresearch/escien/escieninstitute/index.shtml>
<http://duraspace.org/e-science-institute>**

Establishing Infrastructures for Scholarly Publishing

Kevin Comerford
Assistant Professor
Digital Initiatives Librarian
University of New Mexico

Jonathan Wheeler
Data Curation Librarian
University of New Mexico

Kevin S. Hawkins
Head of Publishing Production, MPublishing
University of Michigan

Hosting Open Access Journals for the University and Beyond: The University of New Mexico Open Journals Portal (Comerford, Wheeler)

Print publishing costs for small scholarly journals continue to increase, and even electronic publishing options are not without ongoing costs. University of New Mexico (UNM) Libraries has found that many research organizations in New Mexico would like to provide open electronic access to their group's publications, but simply do not have the funding or the technical expertise to host their own journal server on the Internet. This presentation will discuss the UNM Libraries' Open Journal Systems (OJS) initiative, designed to provide fee-free electronic publishing services to both institutionally sponsored and independent research organizations in the Southwest. UNM Libraries' scholarly resources team works directly with journal publishers to build journal websites, prepare journal issues for publication, and train each journal's staff how to implement their editorial, subscription and administrative processes online.

mPach: Publishing Directly in HathiTrust (Hawkins)

HathiTrust, a shared digital repository, has been archiving and providing access to reformatted library holdings. Since libraries are increasingly involved in open-access publishing of new journals, HathiTrust is a natural place to archive and provide access to born-digital publisher content to ensure its long-term preservation and discoverability. This presentation will give an overview of mPach, a modular, end-to-end system being developed by the University of Michigan Library for publishing journals in the HathiTrust repository, which will be made available for use by other HathiTrust member institutions.

<http://ejournals.unm.edu/>
<http://www.lib.umich.edu/mpach>

Monday, December 10, 2012 2:30-3:30 PM Statler A/B

**Innovation and the Law:
An Analysis of the Barriers and Benefits of Text Mining**

Torsten Reimer
Program Manager
JISC

Text mining and data analytics are of increasing interest to the international scholarly community. They promise to enable researchers to deal with an ever-increasing amount of publication and information, and to develop new research based on existing materials. Despite this promise, wider uptake of text mining is currently hampered by a range of barriers, most notably on the legal side. To assess these barriers as well as the potential benefits of text mining in education, JISC has commissioned the study *Value and Benefits of Text Mining*. This session will introduce the study, with a particular focus on the potential of text mining for innovation, notable barriers, and the legal context.

<http://www.jisc.ac.uk/publications/reports/2012/value-and-benefits-of-text-mining.aspx>

Monday, December 10, 2012 2:30-3:30 PM Massachusetts

Leveraging Digital Library Infrastructure to Support New Roles of the 21st Century Research Library

Mark Phillips
Assistant Dean for Digital Libraries
University of North Texas

Declan Fleming
Chief Technology Strategist
University of California, San Diego

Lois J. Widmer
Chair, Digital Services and Shared Collections
University of Florida

Libraries around the country have evolved digital library infrastructure, workflows, and service from startup, grant-funded initiatives into core functions that define a research library in the 21st century. This shift has challenged our thinking about offering new services, moving projects into programs, and evaluating initiatives which may or may not deliver the expected outcomes. At the same time, researchers and other campus entities are looking to libraries as supporters and collaborators for research in the age of "big" research (meaning distributed, collaborative, and resource intensive research, and often referred to as e-research, e-science, research cyberinfrastructure, digital humanities, big humanities, digital scholarship, data science, etc.). Libraries now have many opportunities to leverage the infrastructure and programmatic support for digital libraries to serve also as a core component of the larger scholarly cyberinfrastructure.

This panel will discuss the challenges that three university libraries have experienced with institutionalizing digital library infrastructure and how they continue to adapt their services to meet a changing set of requests and needs from across their institutions. Each member of the panel will present a brief background of their institution and the unique collections and services which have shaped their institution's thinking about digital library services. An overview of new initiatives each library has chosen to support and how they fit into the overall strategic direction of the institution will also be presented. Finally, all speakers will discuss challenges and opportunities in areas such as technical infrastructure, scaling of services, training and retention of professional staff to support both technical and nontechnical aspects of running repository infrastructure and services at scale.

<http://ufdc.ufl.edu>
<http://digital.library.unt.edu>
<http://libraries.ucsd.edu/digital>
<http://rci.ucsd.edu/data-curation/index.html>

Monday, December 10, 2012 4:00-5:00 PM Presidential Ballroom

**The Research Data Alliance:
A Forum for Global Cooperation on Data Infrastructure**

Chris Greer
Associate Director, IT Lab
National Institute of Standards
and Technology

Fran Berman
Professor
Rensselaer Polytechnic Institute

The Research Data Alliance (RDA) is to global data infrastructure what the Internet Engineering Task Force (IETF) is to the Internet. The RDA vision (paraphrased here) is "research data exchange for everyone," and its mission is to "use voluntary cooperation and consensus to run an open, global research data infrastructure." The RDA Secretariat has been established through Australian Industry, Innovation, Science, Research and Tertiary Education (IISRTE) support of the Australian National Data Service (ANDS), European Commission support for International Collaboration on Research Data Infrastructure (iCORDI), and US National Science Foundation support to Rensselaer Polytechnic Institute. This session will focus on RDA structure and planning for an interoperable, global data infrastructure.

<http://rd-alliance.org/>

Monday, December 10, 2012 4:00-5:00 PM South American B

What We're Learning from E-Text Pilots

Joan Cheverie
Policy Specialist
EDUCAUSE

Rodney Petersen
Managing Director of Washington Office &
Senior Government Relations Officer
EDUCAUSE

Jarret Cummings
Policy Specialist
EDUCAUSE

Faculty, students, authors, and publishers all have a stake in the evolution of textbooks. As texts and business models are transformed variously by online interactivity and open-source content, what are the implications for the stakeholders? EDUCAUSE and Internet2 have been collaborating on e-text pilots to explore some of these issues. In addition to assessing how e-texts are best used, the multi-campus pilots seek to test new models for financing, distributing, and using e-texts. This session will include discussion about some of the policy issues, such as licensing versus sales, accessibility, affordability, rights, and privacy.

<http://www.educause.edu/focus-areas-and-initiatives/policy-and-security/educause-policy/issues-and-positions/etexts-pilot-series>

Monday, December 10, 2012 4:00-5:00 PM Federal A

The PressForward Project and Scholarly Communication on the Open Web

Daniel J. Cohen
Associate Professor and Director
Roy Rosenzweig Center
for History and New Media
George Mason University

Joan Fragaszy Troyano
Research Assistant Professor
Roy Rosenzweig Center
for History and New Media
George Mason University

A healthy ecosystem for scholarly communication requires a continuum from independently distributed work to post-publication peer review. With funding from the Sloan Foundation, the Roy Rosenzweig Center for History and New Media at George Mason University created the PressForward project to explore and produce the best means for collecting, screening, and drawing attention to the vast expanse of scholarship that is currently decentralized across the web or does not fit into traditional genres such as the journal article or the monograph.

This presentation will include an overview of current efforts to distribute and evaluate scholarly work available on the open web. An explanation of the experimental methods behind PressForward's *Digital Humanities Now* and *Journal of Digital Humanities* will also be provided. Finally, the session will include a preview of the open source adaptations to WordPress software that PressForward is developing to enable scholarly communities to easily aggregate, select, and credit work published on the open web.

**<http://pressforward.org>
<http://digitalhumanitiesnow.org>
<http://journalofdigitalhumanities.org>**

Monday, December 10, 2012 4:00-5:00 PM Federal B

The Truth Is Out There: Preservation and the Cloud

David S. H. Rosenthal
Chief Scientist, LOCKSS Program
Stanford University

With the recent introductions of DuraCloud, Preservica, Glacier and others, preservation has joined most other applications in being offered as a cloud service, Preservation as a Service (PaaS). Does PaaS make technical, economic or business sense? What characteristics make applications cloud-friendly? If outsourcing to third-party cloud services is such a great idea, why do companies that get big enough all build their own clouds? Can cooperative efforts to build academic clouds yield benefits?

This talk is based on research, which is on-going, into the economic models of long-term storage with participants from the LOCKSS Program, the University of California at Santa Cruz's Storage System Research Center, Stony Brook University, and NetApp. It will also include presentation of data from a Library of Congress funded experiment that ran a LOCKSS box in Amazon's cloud.

Monday, December 10, 2012 4:00-5:00 PM Pan American

Library Publishing Coalition Project: Advancing the Emerging Library Publishing Field

Katherine Skinner
Executive Director
Educopia Institute

Tyler Walters
Dean
Virginia Polytechnic Institute
and State University

Julie Speer
Associate Dean, Research and Informatics
Virginia Polytechnic Institute
and State University

Martin Halbert
Dean of Libraries
University of North Texas

Spencer Keralis
Director, Digital Scholarship Co-Operative
University of North Texas

This briefing will discuss a recently launched project to create a Library Publishing Coalition (LPC) dedicated to advancing the emerging field of library publishing, defined as the set of activities undertaken by college and university libraries to support the creation and dissemination of scholarly works.

The project is hosted by the Educopia Institute, and has been designed in collaboration with a large number of academic libraries, including Purdue University, the University of North Texas, and Virginia Polytechnic Institute and State University. Project participants currently number well over 40 institutions, all of which are providing seed support for this initiative at one of two participation levels: Founding and Contributing Institutions.

This briefing will review the initiative and several concrete project deliverables:

- A concentrated study that will document the current range of library publishing activities (including costs, staffing, and how libraries are financing these ventures); refine justification and positioning for library-based publishing activities; align library activities in this area with university needs and goals; and help additional libraries to envision and develop publishing services programs.
- A forum for networking and sharing communications about library publishing services, including an annual event and ongoing virtual training and community-building activities.
- The design and implementation of the LPC.

The Service Family for Research Data at Oxford University

Wolfram Horstmann
Associate Director, Digital Library
Programmes and IT, Bodleian Libraries
Oxford University

Neil Jefferies
Research and Development Project
Manager, Bodleian Libraries
Oxford University

Research data are at the heart of scholarly advancement. They are increasingly made available on the Internet as underpinnings of research publications or directly exposed as primary research outputs. These emerging trends in scholarly communication are now backed by policy: The UK government is committed to opening up public sector data. The Research Councils UK (RCUK) Common Principles on Data Policy state that "Publicly funded research data are a public good, produced in the public interest, which should be made openly available with as few restrictions as possible in a timely and responsible manner that does not harm intellectual property."

The challenge for institutions is that research methodologies and the consequent data management practices vary widely across academic subjects and departments. As a consequence, supporting services for researchers have to be generic enough to scale but take into account subject specific requirements.

Support services at Oxford University have been thoroughly studied and prepared in a series of projects, most notably funded by JISC and the University Modernisation Fund. The service family is designed to support researchers in applying best practice and providing e-infrastructure to store and subsequently curate research data, consistent with the University's research data policy.

The service family at Oxford University foresees a multi-agency approach with the University's Research Services, IT Services and the Bodleian Libraries working in partnership with the academic divisions. It defines 'help-not-hinder' services for different parts of the research life cycle:

- **Inform:** The Data Management Hub website is the center of information and support. It links to personal help, policies and subject specific training (including through Oxford's Doctoral Training Centers).
- **Plan:** Data management plans, as increasingly required by funders, can

be generated with DMPonline, a widely used tool that is adapted to Oxford's needs and integrated with other services.

- **Work:** The actual work with data during a research project is the area showing the most diverse use of services inside and outside of the University. Generic tools at Oxford include an easily deployable database (ViDaaS) and the drop-box like DataStage. These are available for embedding in the local research context.
- **Archive:** DataBank provides a durable home for research data that is produced and to be held at the University of Oxford. DataBank supports various formats, including software, and different access conditions, ranging from a dark archive to publishing data with a locally minted digital object identifier (DOI).
- **Find:** DataFinder enables data generated at Oxford to be discoverable. DataFinder also keeps records of externally available data that represent Oxford's research results.

Researchers will have a seamless experience when using the research data services at Oxford University. For example, information provided in DMPonline reappears in DataFinder and DataStage automatically transfers data into DataBank, when a durable version is required. Most services are operational individually and the launch of the complete service family is planned for 2013.

Contributors to this work include Paul Jeffreys, Sally Rumsey, Neil Jefferies, David Shotton, Glenn Swafford, James Wilson, Wolfram Horstmann, and others.

http://cdn.hm-treasury.gov.uk/autumn_statement.pdf
<http://www.rcuk.ac.uk/research/Pages/DataPolicy.aspx>
<http://www.admin.ox.ac.uk/rdm/>
<http://www.admin.ox.ac.uk/rdm/managedata/policy/>
<http://damaro.oucs.ox.ac.uk/>
<http://www.admin.ox.ac.uk/rdm/>

Monday, December 10, 2012 4:00-5:00 PM Statler A/B

Developing a Customized, Extensible Application for Digital Collections

Suzanne E. Thorin
Dean of Libraries and University Librarian
Syracuse University

Sean Quimby
Senior Director, Special Collections
Research Center
Syracuse University

Jeremy Morgan
Information Technology Analyst
Syracuse University

As Syracuse University Library reported at the spring 2011 Coalition for Networked Information (CNI) meeting, it planned to develop a custom PHP/MySQL database driven application as part of its National Endowment for the Humanities-funded Marcel Breuer Digital Archive project. The application generates METS (Metadata Encoding and Transmission Standard) encoded objects and EAC (Encoded Archival Context) authority records that are, in turn, indexed by the open source eXtensible Text Framework (XTF) platform developed by the California Digital Library.

In spring 2012, Syracuse University Library launched the Breuer web portal, which unites more than 35,000 digital objects from nine institutions located in three different countries relating to the influential Bauhaus-trained modernist architect. The project was a model of institutional collaboration, particularly in the realm of copyright policy. Now, Syracuse is extending both the copyright policy and the technological infrastructure developed for the Breuer project to all of its digital collections, migrating them from CONTENTdm to the new custom application. In the process, it will make much of its "dark" archive (content digitized at the request of individual patrons) publicly available for the first time.

This presentation will include an overview of the University's custom database application, a demonstration of the completed Breuer portal, and a detailed description of the process for migrating the library's digital objects and metadata from a proprietary system to an open source repository that allows faceted browsing and, eventually, dynamic interoperability with encoded archival description (EAD)-encoded archival finding aids.

**<http://breuer.syr.edu/>
<http://plastics.syr.edu>**

Monday, December 10, 2012 4:00-5:00 PM Massachusetts

Doing Data Together: BWR, Shared Shelf and CONA

Carole Ann Fabian
Director, Avery Architectural
and Fine Arts Library
Columbia University

James Shulman
President
ARTstor

Bill Ying
CIO and Vice President of Technology
ARTstor

This session will describe the inter-organizational collaboration of Columbia's Avery Library, ARTstor, and the Getty Research Institute towards building the Built Works Registry (BWR), an open, shareable data resource for architectural works and the built environment. In 2010, the Institute of Museum and Library Services awarded a three-year grant to develop BWR. The project brings together these three institutions (each experienced in doing big data projects and each with separate and unique strengths) to collaborate on policies, standards, content aggregation, technical infrastructure, geo-location, and data exchange protocols. As a networked, distributed environment, BWR will allow contributors to participate in development and maintenance of this community-generated data resource. This large-scale inter-institutional collaboration is a model for how organizations can do more together now and in the future. By investing collective efforts and resources on common problems, we participate in crafting a future data system that will more efficiently and effectively meet community-wide needs.

<http://builtworksregistry.wordpress.com/>

Monday, December 10, 2012 5:15-6:00 PM Presidential Ballroom

Academic Preservation Trust

Robin Ruggaber
Director, Online Library Environment
University of Virginia

Michele Kimpton
Chief Executive Officer
DuraSpace

Academic Preservation Trust (APTrust) is a consortium of academic institutions committed to the creation and management of academic and research content for multiple institutions. As a member of APTrust, the University of Virginia in partnership with DuraSpace is implementing a cloud based repository service to aggregate curated content from consortium institutions upon which rich access services may be built. The implementation will further provide long term preservation for selected content through the implementation of a repository within the Digital Preservation Network (DPN).

The aggregate repository is being implemented to collect many forms of content, offer utility to support administrative and simple access, augment individual institution preservation strategies as well as provide a firm foundation for exploring future access services. Consortium members believe they can achieve these goals more fully together than they can alone.

<http://academicpreservationtrust.org/>

Monday, December 10, 2012 5:15-6:00 PM South American B

Student Driven Innovation: UCLA Library Simul8 Group

Kevin Rundblad
UX & Social Technology Strategist
University of California, Los Angeles

Todd Grappone
Associate University Librarian for Digital
Initiatives and IT
University of California, Los Angeles

Solving informational problems for users is a core idea at the University of California, Los Angeles (UCLA) Library. This requires an understanding of how users operate (user research), the interactions they prefer (ux/ui), and the needed expertise to build the interactions for the devices they use (mobile/web). Numerous mobile apps for higher education have been developed over the years, and these products have been extremely popular with campus administrations and libraries, as well as with students and faculty. UCLA Library stepped into this marketplace with a different approach to development than most of the other offerings. The UCLA Library Simul8 team of developers is made up exclusively of students. The benefit of a team of student developers is twofold: first, user research is implicit within the group, since the developers themselves can inform the app development; second, the students tend to have familiarity with the latest programming languages for web/mobile apps, so the skill sets are more available.

This session will discuss the principles behind the formation of the group, the start-up culture of development, the tools and infrastructure utilized, and how projects are created and brought to fruition.

Monday, December 10, 2012 5:15-6:00 PM Federal A

**Force11:
The Future of Research Communications and e-Scholarship**

Anita de Waard
Disruptive Technologies Director
Elsevier Labs

Maryann Martone
Co-Director, National Center for
Microscopy and Imaging Research
National Center for Microscopy
and Imaging Research
University of California, San Diego

Force11 is a community of scholars, librarians, archivists, publishers and research funders that has arisen organically to help facilitate the change toward improved knowledge creation and sharing. Individually and collectively, we aim to bring about a change in modern scholarly communications through the effective use of information technology, which will also broaden to include, for example, the publication of software tools, research communication via social media channels, and sharing data and workflows in innovative ways. Force11 can be seen as a starting point for a community that will, hopefully, grow and be augmented by individual and collective efforts by the participants and others. This talk will include discussion of the background, goals, and plans for Force11.

<http://force11.org>

Monday, December 10, 2012 5:15-6:00 PM Federal B

What to Do with All those Hard Drives: Data Mining at Duke

Joel Herndon
Head, Data & GIS Services
Duke University

Molly Tamarkin
Associate University Librarian for
Information Technology
Duke University

Though research libraries face an increasing demand for collections and services that facilitate text mining, most digital text and e-journal collections are licensed for use and hosted by vendors in such a way as to prevent data mining. However, a few publishers have provided hard drives to represent "backup" copies of these licensed databases. Unsure what to do with the increasing collection of hard drives, and realizing that copies of this data could be easily obtained should the "backup" fail, Duke University Library decided to create a text mining collection within its Center for Data & GIS Services. Researchers at Duke can now access large volume text collections, either by using a lab designed for big data research, or on their own machines, via a system that provides working copies of large-scale text collections. Furthermore, the library has launched a series of workshops focused on research strategies surrounding text mining featuring a wide range of topics from managing text data structures to latent Dirichlet allocation. This presentation will describe the new services and data analytic methodologies while exploring continuing issues in text mining from licensing to access to research support.

<http://library.duke.edu/data/index.html>

Monday, December 10, 2012 5:15-6:00 PM Pan American

**eTexts at Illinois:
Digital Textbook Publishing for Students and Faculty**

Glenda Morgan
Director of Academic Technology Services
and eLearning Strategist
University of Illinois at Urbana-Champaign

Milind Basole
eText Lead
University of Illinois at Urbana-Champaign

The University of Illinois at Urbana-Champaign recently debuted an innovative approach to providing students with electronic textbooks and instructional materials. The etext platform and process provides an endpoint-neutral and completely accessible platform for presenting text, equations and a variety of multimedia in textbook form. The content comes from two major sources: faculty developed content (both where faculty retain copyright as well as open textbooks), and publisher owned content. Academic Technology Services is actively seeking to partner with the library to leverage library holdings for use in etextbooks where such uses are possible. The benefits of the etext at Illinois service includes considerably lower costs for students, publishing opportunities for faculty, device neutrality, and a platform that is markedly more accessible and easier to use than most commercial solutions. This briefing will include a demonstration of eText at Illinois and the technical infrastructure underlying it, a discussion of the process and approach to accessibility, and a review of future plans and strategies for expanding the service.

<https://etext.illinois.edu/>

Monday, December 10, 2012 5:15-6:00 PM South American A

Open Annotation Update: Open Annotation Collaboration Experiment Results & Ongoing Work of the W3C Open Annotation Community Group

Timothy Cole
Mathematics and
Digital Content Access Librarian
University of Illinois at Urbana-Champaign

Paolo Ciccarese
Biomedical Informatics Research &
Development Instructor of Neurology
Harvard Medical School, Harvard
University & Massachusetts General
Hospital

A year ago the Open Annotation Collaboration (OAC) and the Annotation Ontology Initiative joined forces to found the W3C Open Annotation Community Group. The group has refined and merged data models and ontologies for describing scholarly annotations of web-accessible resources. The Community Group released a late beta version of the reconciled data model in May 2012; the 1.0 release is expected in January 2013. This briefing will provide an update on data model and ontology work done over the last 18 months and summarize results that informed this work from nine annotation demonstration experiments sponsored by the Open Annotation Collaboration (institutions participating in these experiments include: Alexander Street Press, Brown University, Cornell University, Los Alamos National Laboratory, Meertens Institute, New York University, Stanford University, University of Colorado, University of Illinois, University of Maryland, and University of Queensland).

The presentation will also include a preview of plans for Spring 2013 public rollouts of the Open Annotation specifications. Concrete illustrations of the Open Annotation data model in action will be presented, and participants will be encouraged to ask questions about how to apply the data model to their specific scholarly use cases.

The Open Annotation Collaboration is supported by a generous grant from The Andrew W. Mellon Foundation.

<http://www.w3.org/community/openannotation/>
<http://www.openannotation.org/>
<http://code.google.com/p/annotation-ontology/wiki/Homepage>

Editor's Note:

At the request of the presenters, '*Across Institutional Boundaries*'
was added to the original title of this session on 12/4/12

Monday, December 10, 2012 5:15-6:00 PM Statler A/B

**SURFconext: Next Generation Collaboration
Infrastructure Across Institutional Boundaries**

Frank Benneker
Educational Technologist
University of Amsterdam

Driek Heesakkers
Project Manager
University of Amsterdam

Modern universities are becoming loose conglomerates of (inter)disciplinary expertise that have a high degree of connectedness with society in the broader sense. 21st century universities may also be regarded as 'knowledge servers' in which a number of communities create, share, publish and apply knowledge. Learning and research, in other words, is becoming a community-wide activity. For the University of Amsterdam, SURFconext, a nationwide Dutch initiative by SURFnet (the Dutch National Research and Education Network), has many of the key features for next generation collaboration infrastructure that create new opportunities for online collaboration. SURFconext combines several key infrastructures based on open standards for federated identity and group management (e.g. saml, grouper), Open Social as widget library, and access to collaboration services. The University of Amsterdam is working on examples of institutional implementation (UvAConext) as a way to set up virtual research environments for researchers by opening up the UvA Sakai and Uportal-based collaboration tools. In this session, topics discussed will include organizational, political and financial as well as technical issues.

<http://www.surfnet.nl/en/Thema/coin/Pages/default.aspx>

Monday, December 10, 2012 5:15-6:00 PM Massachusetts

Olive: An Executable Content Archive Underway

Gloriana St. Clair
Dean of University Libraries
Carnegie Mellon University

Daniel F. Ryan
Coordinator for Executable
Content for Olive
Carnegie Mellon University

Now funded by the Institute for Museum and Library Services (IMLS) and the Sloan Foundation, the Olive project to preserve executable content is underway. Carnegie Mellon University's Mahadev Satyanarayanan and his team are leading the technical development. Jerome McDonough, of the University of Illinois at Urbana-Champaign, and Anita de Waard, of Elsevier, are the co-principal investigators for the IMLS award. The presenters will describe their objectives under each of the two grants, discuss methodologies employed to meet those objectives, and gather opinions about pending issues.

<http://www.olivearchive.org>

Tuesday, December 11, 2012 9:00-10:00 AM Presidential Ballroom

Trends and Priorities: Briefing from Federal Funding Agencies

Amy Friedlander
Senior Advisor
National Science Foundation

Robert Horton
Associate Deputy Director for Library
Services
Institute of Museum and Library Services

Kathleen Williams
Executive Director
National Historic Records
and Publications Commission

Joel Wurl
Senior Program Officer
National Endowment for the Humanities

Representatives of four funding agencies will initiate a conversation on trends and priorities in their fields. The goals are to identify the opportunities librarians, archivists and museum professionals could address in the near future; how they might better collaborate; and what attendees of the session feel the agencies should consider.

Demonstrating Library Value

Rachel Fleming-May
Assistant Professor
School of Information Sciences
University of Tennessee

Martha Kyrillidou
Senior Director
Association of Research Libraries

Teresa Walker
Head Integrated User Services, Library
University of Tennessee

Mary Ellen K. Davis
Executive Director
Association of College
and Research Libraries

Kara J. Malenfant
Sr. Strategist for Special Initiatives
Association of College
and Research Libraries

How Libraries Contribute to Student Success: Findings from LibValue (Fleming-May, Kyrillidou, Walker)

What do we know about the ways libraries contribute to student success? The Institute of Museum and Library Services (IMLS) LibValue grant is a three-year effort testing different methodologies articulating the value of the library and return on investment. One of the areas of investigation is the contribution of the library to student success. This session will highlight two areas that relate to student success: the physical space of the library and teaching/learning environmental interventions. The results of two perspectives will be discussed, one from the commons surveys and the second from the surveys of instructors and students. Both perspectives highlight the importance of a positive environment that inspires studying and the articulation by students of positive outcomes.

Assessment in Action: ACRL's Newest IMLS Grant-Funded Project (Davis, Malenfant)

The Association of College and Research Library's (ACRL) Value of Academic Libraries initiative has ambitious plans for the next few years. This briefing will provide an overview of the new Institute of Museum and Library Services (IMLS)-funded project "Assessment in Action: Academic Libraries and Student Success" (AiA). The grant funding will support ACRL, in partnership with the Association for Institutional Research and the Association of Public and Land-grant Universities, and build on their IMLS 2011 Collaborative Planning Grant, which convened two invitational summits. In the first year of this three-year project, 75

campus-wide teams from all types of institutions will be selected to develop and implement action-learning projects that examine the impact of the library on student success. Each participating institution will identify a team consisting of a librarian and at least two additional team members as determined by the campus. The librarian team leaders will participate in a one-year professional development program that includes team-based activities carried out on their campuses. A blended learning environment and peer-to-peer network will support the librarian team leaders. As part of AiA, they will document and share their work so that others in the wider academic library and higher education communities can benefit.

<http://libvalue.cci.utk.edu/content/about-us>

<http://libvalue.org/>

<http://www.ala.org/acrl/AiA>

Tuesday, December 11, 2012 9:00-10:00 AM Federal A

Building an Archival Identity Management Network: Transforming Archival Practice and Historical Research

Daniel Pitti
Associate Director, Institute for Advanced
Technology in the Humanities
University of Virginia

Brian Tingle
Technical Lead
California Digital Library

Clifford Lynch
Executive Director
Coalition for Networked Information

This session will feature two related archival identity management projects: Social Networks and Archival Context (SNAC) and Building a National Archival Authorities Infrastructure. SNAC (2010-2014), a project to create a test bed of archival authority records and demonstrate their potential for user discovery, comprises a three-part process. First, personal, corporate, and family names (and related historical data) are extracted from finding aids (descriptions of archival records). Next, these names and data are assembled into contextual authority records, which are compared against each other, and against authority and historical data from other sources (e.g. VIAF and DBpedia). The resulting set of authority records serves as the basis of a prototype interface that provides integrated access (through the names and descriptions of people) to related but distributed primary and secondary resources. By virtue of the connections displayed between authority records and related sources, the prototype also provides a visualization of the historical social networks in which the people depicted lived and worked.

Among the primary objectives of the Building a National Archival Authorities Infrastructure (2011-2013) project is to transform the groundwork completed by SNAC into a sustainable national archival authorities cooperative program that is similar to, but distinct from, the Name Authority Cooperative Program (NACO). The project has convened a series of meetings comprising archivists, librarians, scholars, and allied professionals, with the goal of developing a blueprint for the cooperative. The emerging consensus from these meetings is that the National Archives and Records Administration will host the cooperative, collaborating with the archival and allied communities in its governance, development, and maintenance.

**<http://socialarchive.iath.virginia.edu/>
<http://socialarchive.iath.virginia.edu/xtf/search>
http://socialarchive.iath.virginia.edu/NAAC_index.html**

Tuesday, December 11, 2012 9:00-10:00 AM Federal B

Research Data Management Services in Germany: Funding Activities of the German Research Foundation

Eva Effertz
Program Director
Research Centers Division
Deutsche Forschungsgemeinschaft (DFG)

Sven Vlaeminck
Project Manager, EDaWaX Project
ZBW Leibniz Information Centre
for Economics
Kiel University

Klaus Tochtermann
Director
ZBW Leibniz Information Centre
for Economics
Kiel University

Constanze Curdt
Research Scientist
University of Cologne

Christian Willmes
Research Scientist
University of Cologne

Facilitating Replication of Research Results in Economics: EDaWaX Project (Vlaeminck, Tochtermann)

Empirical studies are increasingly important in many disciplines. This is also the case in economics, where journals increasingly publish empirical papers in which the authors have used datasets for their research. However, to date, there have been few ways to replicate these research results within the framework of the corresponding article and to verify the findings in an empirical paper. The DFG (German Research Foundation)-funded project EDaWaX is intended to meet these challenges. One of the project's main objectives is to develop a publication-related data archive for journals.

Data Management in Interdisciplinary Research Projects: Case Studies CRC/TR 32 and CRC 806 (Curdt, Willmes)

Managing and archiving research data in a well-organized framework is essential in every interdisciplinary, long-term research project. All data created or collected have to be stored and backed up along with accurate descriptive information. In addition, the data should be easily accessible by and exchangeable among the project participants. DFG-funded Collaborative Research Centers (CRC) should

apply for a data management project. These sub-projects are responsible for the development and implementation of a research data management system.

This presentation will feature two CRC data management case studies: (i) the Transregional CRC 32 "Patterns in Soil-Vegetation-Atmosphere-Systems: Monitoring, Modeling and Data Assimilation" (CRC/TR32,) and (ii) CRC 806 "Our Way to Europe: Culture-Environment Interaction and Human Mobility in the Late Quaternary." A web-based data management system, a so-called CRC project database, was implemented for both projects, to handle all relevant research data. Both CRC databases are physically located at the Regional Computing Center of the University of Cologne (RRZK). Secure, sustainable archives and back-ups are provided within this environment.

<http://www.edawax.de>
<http://www.tr32db.de>
<http://www.crc806db.de>

Tuesday, December 11, 2012 9:00-10:00 AM Pan American

Internet2 Net+ Services

Khalil Yazdi
Internet2 Business Development
Internet2

Dana Voss
Program Manager, Internet2 Net+ Services
Internet2

Leveraging the Internet2 Network and enabling services like InCommon federated identity management, the Internet2 NET+ Services team is developing a portfolio of service offerings that bring value to Internet2 members. The goal of the program is to create services that are cost-effective, easy to access, simple to administer, and tailored to the unique needs of our community. This session will offer an overview of the Net+ program, including the eContent pilot, which is sponsored jointly by Internet2 and EDUCAUSE.

<http://www.internet2.edu/netplus/>

Tuesday, December 11, 2012 9:00-10:00 AM South American A

Supporting Community and Open Source Software in Cultural Heritage Institutions

Molly Tamarkin
Kuali OLE Functional Council Chair
Duke University

David Millman
Co-PI ArchivesSpace
New York University

Beth Sandore Namachchivaya
Co-PI ArchivesSpace
University of Illinois

Angela Spinazze
Senior Advisor
CollectionSpace

Katherine Kott
Development Manager, ArchivesSpace
Katherine Kott Consulting

In this session, key leaders from the open/community source projects ArchivesSpace, CollectionSpace, and Kuali OLE (Open Library Environment) will share their experience in building community support for open source software in their respective communities of archives, libraries, and museums. This cultural heritage triumvirate is commonly known as GLAMs (Galleries, Libraries, Archives, and Museums), and while there are many involved in these areas with a long history of open and community source software, cultural heritage institutions entirely driven by open source information management systems is only just now becoming plausible.

<http://ole.kuali.org>
<http://www.archivesspace.org>
<http://www.collectionspace.org>

Tuesday, December 11, 2012 9:00-10:00 AM Statler A/B

Piloting Linked Data to Connect Library and Archive Resources to the New World of Data, and Staff to New Skills

Zheng (John) Wang
Director, Digital Assets Strategies
Associate Director, Content Division, Library
Emory University

Laura Akerman
Technology and Metadata Librarian
Emory University

This session will include a presentation of Emory University Library's first-hand experience in interlinking Civil War-related materials and other online resources by leveraging open linked data principles. The library has been actively evaluating linked data's potential to replace current library processes and services (bibliographic services, finding aids, cataloging, and metadata work) as a more efficient and sustainable means, and one that could bring greater benefit to end users for research and learning. The Library's initial focus was on workforce education and hands-on learning through real-time experiments: the Connections project was begun to prepare staff to work with linked data, a process that has culminated in a 3-month hands-on pilot to build and convert some data. The pilot introduced the concept to a wide range of staff, including subject liaisons, archivists, metadata librarians, and programmers. Emory's "silos" of data were interlinked with other open data sources as a way to enhance user discovery and use of library materials on a very limited scale.

The presentation will include an assessment on the readiness of the entire linked open data ecosystem for libraries to cross-link disciplines, and the possible roles of libraries in a linked world. Suggestions for staff involvement in this new paradigm of information curation and dissemination will also be discussed.

<https://scholarblogs.emory.edu/connections/>

Tuesday, December 11, 2012 9:00-10:00 AM Massachusetts

Auditing Distributed Digital Preservation Networks

Micah Altman
Director of Research, Libraries
Massachusetts Institute of Technology

This presentation summarizes the lessons learned from trial audits of a several production distributed digital preservation networks. These audits were conducted using the open source SafeArchive system, which enables automated auditing of a selection of TRAC criteria related to replication and storage. An analysis of the trial audits demonstrates both the complexities of auditing modern replicated storage networks, and reveals common gaps between archival policy and practice. Recommendations for closing these gaps are discussed, as are extensions that have been added to the SafeArchive system to mitigate risks in distributed digital preservation (DDP).

<http://www.safearchive.org>

Tuesday, December 11, 2012 10:30-11:30 AM Presidential Ballroom

Extending Access to Scholarly Resources: JSTOR's New Alumni Program

Bruce Heterick
Vice President, Outreach
and Participation Services
JSTOR

Susan Gibbons
University Librarian
Yale University

Damon Jaggars
Associate University Librarian
for Collections and Services
Columbia University

Molly Tamarkin
Associate University Librarian
for Information Technology
Duke University

In 2009, JSTOR began partnering with institutions in a pilot program to provide access to their alumni. A range of participants was selected for the pilot, including public and private institutions, universities in the US and abroad, and theological seminaries. After nearly three years of collecting quantitative and qualitative feedback on the efficacy of the pilot, and based on an enthusiastic response from pilot partners, the Alumni Access program is being made accessible to all JSTOR participating institutions.

In this discussion, librarians who participated in the pilot will discuss how this tool was used for engaging with alumni, and what was learned about the level of interest in access to scholarly resources after graduation.

Next steps for the Alumni Access program, and how this fits within JSTOR's larger aims of extending access to scholarship, will also be discussed.

<http://about.jstor.org/service/access-alumni>

Tuesday, December 11, 2012 10:30-11:30 AM South American B

Debunking Myths and Establishing Guidelines for the ETD Lifecycle

Martin Halbert
Dean of Libraries
University of North Texas

Katherine Skinner
Executive Director
Educopia Institute
MetaArchive Cooperative

Matt Schultz
Program Manager
Educopia Institute
MetaArchive Cooperative

Gail McMillan
Director, Digital Library and Archives
Virginia Polytechnic Institute
and State University

Providing the ETDs of Today for the Researchers of Tomorrow
(Halbert, Skinner, Schultz)

This briefing will highlight and discuss the early findings from an Institute of Museum and Library Services (IMLS)-funded project hosted by the University of North Texas that is researching and documenting a range of life cycle curation and preservation practices for electronic theses and dissertations (ETDs). An accompanying workshop is planned for summer 2013 in conjunction with United States Electronic Thesis and Dissertation Association (USetdA) 2013 conference. This project briefing will solicit advice on proper delivery formats. The briefing will also discuss developments toward a series of micro services that will assist ETD programs with enhancing the curation of their ETDs; implementation use cases will be discussed. Partners on this project include Educopia Institute, the Networked Digital Library of Theses & Dissertations, and the university libraries of Virginia Polytechnic Institute and State University (Virginia Tech), Pennsylvania State University, Boston College, Indiana State University, Rice University, and the University of Arizona.

Do Open Access ETDs Effect Publishing Opportunities in the Sciences? Findings from the 2012 Survey of Academic Journal Editors (McMillan)

Although open public access to electronic theses and dissertations (ETDs) has been widely implemented in higher education, some faculty advisors and graduate student authors are still concerned that unfiltered access to their ETDs could diminish future publishing opportunities. This presentation will discuss a survey of academic journal editors about their attitudes towards ETDs that was

conducted under the auspices of the Networked Digital Library of Theses and Dissertations. At the fall 2011 Coalition for Networked Information meeting, results of a survey of social science and humanities editors and university press directors were reported. This presentation will share the latest survey findings regarding the policies of science journals in light of open access ETDs. It will also compare the results from the social science and humanities survey and the science survey as well as the 2012 and 1999 surveys of science editors' attitudes towards ETDs.

Survey authors: Gail McMillan, Virginia Polytechnic Institute and State University; Marisa L. Ramirez, California Polytechnic State University, San Luis Obispo; Joan Dalton, University of Windsor; Ann Hanlon, University of Wisconsin-Milwaukee; Heather Smith, California Polytechnic State University, San Luis Obispo; Chelsea Kern, California Polytechnic State University, San Luis Obispo

<http://metaarchive.org/imls>

Tuesday, December 11, 2012 10:30-11:30 AM Federal A

**HarvardX:
Developing Communities of Practice for Innovation
in Online Learning**

Samantha Earp
Managing Director, Academic Technology Services
Harvard University

In May of 2012, Harvard and the Massachusetts Institute of Technology (MIT) announced edX, a groundbreaking new partnership in online learning. This session will give an overview of edX and HarvardX, with particular attention to the communities of practice being creating to develop and sustain innovation in online learning, in partnership with faculty, students, instructional designers, librarians, information technologists and other participants within and across edX institutions.

<http://edx.org>

Tuesday, December 11, 2012 10:30-11:30 AM Federal B

Virtual Research Environments in Germany: Funding Activities of the German Research Foundation

Sigrun Eckelmann
Program Director, Academic Libraries
and Information Systems
Deutsche Forschungsgemeinschaft (DFG)

Ruediger Glaser
Department of Physical Geography
University of Freiburg

Steffen Vogt
Department of Physical Geography
University of Freiburg

Thomas Burch
Managing Director, Trier Center
for Digital Humanities
University of Trier

Yvonne Rommelfanger
Research Associate
University of Trier

Tambora.org as a New Tool for Collaborative Work in Historical Climatology and Environmental History (Glaser, Vogt)

Tambora.org is a virtual research environment (VRE) enabling collaborative work on the interpretation of climate and environmental information derived from historical sources. The open access VRE facilitates the sustainable storage and exchange of data among researchers. Furthermore it stimulates analysis, comparison and synthesis to derive new insights from raw data. The key information to be stored within the system is the original text quotation together with a bibliographic reference, place, time and coded information on climate and environment derived from the quote. To ensure the acknowledgment of the scientific work, all integrated data collections are citable by a DOI (digital object identifier).

FuD: A Virtual Research Environment for the Humanities (Burch, Rommelfanger)

The *Forschungsnetzwerk und Datenbanksystem* (FuD) system integrates collecting, analyzing, publishing and archiving components to a virtual research environment for the humanities. Since 2004, the FuD system has been developed as a joint project of Humanities and Computer Sciences at the University of Trier (Collaborative Research Center 600 "Strangers and Poor People," Trier Center for Digital Humanities). It has supported interdisciplinary cooperation in up to 30 research projects from various disciplines in the

humanities and social sciences. The system and its development have incorporated their respective analytical methods as well as their special data requirements. Several projects at universities and research institutions throughout Europe are currently using the FuD research environment for their scientific work processes.

<http://www.tambora.org>
<http://www.fud.uni-trier.de/>

Tuesday, December 11, 2012 10:30-11:30 AM Pan American

Library Innovation: Initiatives to Support Content Discovery and eResearch

Jim Hahn
Orientation Services and Environments
Librarian
University of Illinois at Urbana-Champaign

William Mischo
Head, Grainger Engineering Library
Information Center
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Tyler Walters
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Technology Innovation in Support of Institutional Priorities: Exemplars at the University of Illinois Library (Hahn, Mischo, Namachchivaya)

This briefing describes two innovative approaches to developing discovery and access tools in a library. The two programs featured are:

- A program focused on design and implementation of federated search and discovery systems that incorporates research and mentoring of librarians, information professionals, and graduate students in library and information science (LIS) and computer science.
- A library technology prototyping service that employs and mentors undergraduate computer science minors from diverse backgrounds.

The panel takes an in-depth look at key products that have emerged from this work, what has fueled their success, and how lessons learned can shape future technology innovations that support the important organizational themes of effective discovery and growing diversity in technology design and development.

The Future is Now: Capacity Building and Partnership Development to Advance eResearch Programs (Walters, Speer)

Research universities are adapting to a changing environment where networked open research, cyberinfrastructure, and cyberlearning approaches are

transforming them. Organizational change is inevitable and the pace of this change moves more quickly with each new disruptive development in the economic, policy, technological, and social realms. This milieu calls for entrepreneurial approaches and intra-organizational strategies that produce new technological and organizational platforms through which new partnerships of information and technology professionals with researchers, instructors, and learners are created. The Virginia Polytechnic Institute and State University (VT) Libraries has developed two sets of strategies for advancing eResearch partnerships and programs within the university: 1) Internal strategy: developing new positions such as the Associate Dean for Research and Informatics, Research Environments Librarian, and other specialty positions such as the Engineering Informatics and Data Librarian and Art & Design Informatics Librarian; designing work units with a new, flexible model: the hub. The library-based hub fosters capacity-building to support eResearch and digital scholarship practices, processes, and technologies; 2) External strategy: establishing a research center (the VT Center for Digital Research and Scholarship [CDRS]) that also serves as a services center for mapping and integrating the Libraries into the research enterprise. The Center monitors and assesses changes in the university environments in which research and scholarly knowledge is produced. It offers tools and services that address the many research and scholarly environment needs of VT researchers. The Center partners with researchers and others to solve information/data/content-related academic problems and serves as a consultant on digital curation processes.

<http://minrvaproject.org/>

<https://github.com/minrva>

<http://minrvaproject.tumblr.com/>

<http://goo.gl/BxCuu>

<http://goo.gl/r7pyY>

http://uofi-primo.hosted.exlibrisgroup.com:1701/primo_library/libweb/action/search.do?&vid=UIU

<http://search.grainger.uiuc.edu/linker/>

<http://hades.grainger.uiuc.edu/guy/pip3.asp?geology>

Tuesday, December 11, 2012 10:30-11:30 AM South American A

Using the Cloud for Backup, Storage, and Archiving: Decision Factors, Experiences, and Use Cases Explored

Michele Kimpton
Chief Executive Officer
DuraSpace

Geneva Henry
Executive Director
Digital Scholarship Services
Rice University

Holly Mercer
Associate Dean for Scholarly
Communication & Research Services
University of Tennessee Knoxville

Mark Leggott
University Librarian
University of Prince Edward Island

In the past year, several organizations have made the decision to store, manage, and archive content in the cloud by utilizing the DuraCloud service. When moving their content into the cloud, these organizations had to weigh the advantages, disadvantages, and risks of using the cloud versus building and supporting a local solution. For Rice University, the key factors that supported the decision to adopt DuraCloud as part of its overall preservation strategy included the ease of working with the DSpace platform for ingesting content, as well as the ability to have a diversified distributed storage environment with the San Diego Supercomputer Center (SDSC) and Amazon working seamlessly on the backend for replicated storage and bit-sum checking.

Recognizing that digital preservation encompasses a range of activities and processes, but unsure where to begin, the University of Tennessee Libraries engaged two consultants to perform a "readiness assessment" in 2011 that recommended exploring outsourced options. In 2012, the University of Tennessee adopted DuraCloud as one component of its digital preservation plan specifically because of the DuraCloud capabilities for replication, geographic distribution, and "health checks." At the University of Prince Edward Island, a more direct integration with DuraCloud was built in the Vault module for Islandora, which provides seamless application-level integration of DuraCloud with a Fedora-backed repository. Panelists will discuss decision factors that were assessed when determining whether to use cloud technologies, their experiences using DuraCloud, and how DuraCloud has become a part of their preservation strategy.

<http://duracloud.org>

Tuesday, December 11, 2012 10:30-11:30 AM Statler A/B

Academic Library as Makerspace: 3D Printing and Knowledge Creation

Kathlin Ray
Dean, University Libraries and Teaching & Learning Technologies
University of Nevada, Reno

As part of an ongoing plan to transform an underutilized science and engineering library into a lively incubator for student-faculty collaboration and innovation, staff at the University of Nevada, Reno decided to launch a bold initiative: build a 3D scanning and printing "makerspace" and make it available to the entire campus. The service has been wildly successful with 3D printers running 24 hours a day. Furthermore, positioning the library as a place that facilitates knowledge creation beyond text based tools and resources has been a game changer. Students are highly motivated to learn new skills in order to take advantage of new technologies (Lynda.com gets heavy use); they experiment and iterate quickly to perfect their designs. Even better, students from engineering are now rubbing elbows with people from fields such as biology, computer science, geology, and even art. Like the printing press and the personal computer, 3-D printers have been hailed as a revolutionary device that will ultimately transform the way the world operates.

Tuesday, December 11, 2012

10:30-11:30 AM Massachusetts

UCLA Broadcast News Archive

Todd Grappone
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for Digital Initiatives
and Information Technology
University of California, Los Angeles

Sharon E. Farb
Associate University Librarian
for Collection Management
and Scholarly Communication
University of California, Los Angeles

Rapidly changing technologies of multi-modal communication are transforming the news industry: from the global reach of international satellite TV, to the proliferation of Internet news outlets, to YouTube. In parallel, "citizen journalism" is on the rise, enabled by smart phones, social networks, and blogs. The Internet is becoming a vast information ecosystem driven by mediated events (elections, social movements, natural disasters, disease epidemics, etc.) with rich heterogeneous data: text, image, and video. Meanwhile, the tools and methodologies for users and researchers are not keeping pace: it remains prohibitively labor-intensive to systematically access and study the vast amount of emerging audiovisual news data.

This presentation reviews and demonstrates applications of the Broadcast News Archive from the University of California Los Angeles (UCLA) Library, a cross-disciplinary National Science Foundation-funded effort to digitize, analyze, and make available an unprecedented news resource for researchers worldwide. Leveraging UCLA Library's growing digital collection of 150,000 hours of television news videos, including 9.7 billion image frames and 802 million words of closed captioning news text directed by the Communication Studies Department at UCLA and curated by the UCLA Library, a new paradigm is proposed for analyzing audiovisual datasets of social and political news events. Of note in the Archive is a Text and Image Parsing Project which has as its aims the categorization of news by topics and events; the analysis of selection and presentation biases across networks and media spheres in a statistical and quantitative manner; the experimental investigation of the cognitive consequences of concordant and discordant audio/visual information streams; and, modeling of the techniques of verbal and visual persuasion. More broadly, the project endeavors to reveal agenda-setting trends in the news, and uncover spatiotemporal patterns in the interactions of multiple mediated events. Through the interactive news interface, researchers will have the ability to visualize and interact with the project's computation and statistical results.

<http://newsscape.library.ucla.edu/>

Tuesday, December 11, 2012 1:00-2:00 PM South American B

The HathiTrust Research Center: Opening Up the Elephant for New Knowledge Creation

John Unsworth
Vice Provost for Library and Technology
Services and Chief Information Officer
Brandeis University

Beth Sandore Namachchivaya
Associate University Librarian
for Information Technology
Planning and Policy
and Associate Dean of Libraries
University of Illinois

Robert H. McDonald
Associate Dean of Libraries and Deputy
Director of the Data to Insight Center
Indiana University

This panel will feature collaborative partners from the HathiTrust Research Center (HTRC) and will focus on HTRC and its unique cross-institutional partnership (Indiana University/University of Illinois, University of Michigan). Furthermore, the presentation will focus on work that is being accomplished in the first two years of the existence of the HTRC with the mission of enabling computational access to nonprofit and educational users for the mass-scale digital corpus of the HathiTrust Digital Library (13 million volumes and growing).

Following a brief overview of the mission and history of the HTRC, the HTRC partnership will be described, including information on how it is working to deliver computational access to the HathiTrust digital corpus for the research community. Additionally, a detailed view of the work plan over the first two phases of the HTRC towards the evolving long-term plans and sustainability for the center will be discussed. Emphasis will be on:

- HTRC Phase 1 Demonstration and outcomes of the first HathiTrust Research Center UnCamp
- Current status of the HTRC non-consumptive research methodology prototype
- Status of HTRC current research proposal partnerships
- Focus of HTRC Phase 2 and the implementation of the demonstration prototype into a production operations environment

**<http://www.hathitrust.org/htrc>
Twitter: @hathitrust**

NOTICE OF ERRATA

A this page was corrected on 12/3/12, 9:20 EST

Tuesday, December 11, 2012 1:00-2:00 PM Federal A

Wikipedia and Libraries: What's the Connection?

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OCLC Research

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Webmaster, Archives of American Art
Smithsonian Institution

It used to be that if you wanted information or answers to questions, you went to a library. In an era of increased reliance on major network hubs, information seekers increasingly turn to the web for answers. Therefore it is vital that libraries and archives ensure that their collections, or information about their collections, are easily discoverable on the open web. As the 6th most accessed website globally, Wikipedia is a natural place for cultural heritage institutions to expose their collections. Wikipedia articles receive a lot of web love: they are highly ranked by search engines; snippets from pages are incorporated into Google's Knowledge Graph, and are pulled in by services like Facebook, filling in missing content. How can libraries and archives mesh with Wikipedia? This session will detail how OCLC Research, Smithsonian Institution, and others are connecting researchers to unique materials through Wikipedia, put a spotlight on the special role library data can play in Wikipedia, examine how Wikipedia data may be useful to libraries and scholarly institutions, introduce Wikipedia's GLAM-Wiki initiative, and talk about ways that information professionals can work collaboratively with the World's Largest Free Encyclopedia.

Tuesday, December 11, 2012 1:00-2:00 PM Federal B

Data Management Planning Made Easy: The DMPTool

Andrew Sallans
Head of Strategic Data Initiatives, Library
Co-Lead on DMPTool Project
University of Virginia

Carly Strasser
Data Curation Specialist
California Digital Library

There is a large gap between the data management skills needed by modern researchers and their current abilities, and there is not yet a clear way to bridge this gap. In an effort to address this lack of skills, several institutions collaborated to create the DMPTool. Collaborators included the California Digital Library, DataONE, the Digital Curation Centre, the Smithsonian Institution, the University of California at Los Angeles Library, the University of California at San Diego Libraries, the University of Illinois at Urbana-Champaign Library and Office of Cyberinfrastructure, and the University of Virginia Library. The result is a freely available web service with two principal goals: 1) allow researchers to quickly and easily produce a quality data management plan, and 2) inform researchers of relevant resources and support services across the community and within their institution. The tool clearly identifies what funders want grant applicants to address, and it allows users to edit, save, share, print and download their data management plans.

Following on prior Coalition for Networked Information briefings, this presentation will begin with an overview of data management planning for newcomers, with emphasis on the DMPTool. The session will include an update on current data management policies and, and it will also include discussion of the present landscape of data management planning. The history of the project will be described (a collaborative effort of eight institutions), its uptake and success, and plans for new functionality, grant funding, and governance. A brief demonstration of the DMPTool will be provided to seed a facilitated discussion on the future of the DMPTool, what services it could and should provide, and how these services and materials will better enable good data stewardship practices among researchers.

<http://dmptool.org>

Tuesday, December 11, 2012 1:00-2:00 PM Pan American

Novel Collaboration Forms for Developing and Maintaining Research Data

Anita de Waard
Disruptive Technologies Director, Labs
Elsevier

David Marques
Senior Vice President, Research
Data Services
Elsevier

Funding agencies are displaying two counteracting trends regarding research data repositories: on the one hand, partly motivated by a need for reproducibility and fear of fraud, funding agencies are encouraging scientists and scholars to make their (raw and summarized) research data available in open, publicly accessible repositories; on the other, they are de-scoping and defunding the maintenance of many well-established data repositories. To address this dichotomy, and the clear and present need for the population and maintenance of open research data repositories, more technically and socially acceptable models of and tools for representing, uploading and storing research data are needed, as are innovative and collaborative business models for maintaining data repositories in a scalable, sustainable way.

Elsevier is interested in exploring novel (open, public access-based) collaborations and business models to address both of these needs, and provide uploading, maintenance and annotation tasks and tools in a service-based model. The company is interested in discussing and exploring the views of the Coalition for Networked Information community regarding the relative role of libraries, data repositories, and publishers to develop an open and sustainable research data infrastructure. Issues to discuss include the development of researcher-controlled distribution of research data, and the assessment of attribution, credit and impact of research data, as well as metadata and archiving standards. This talk will include Elsevier's thoughts and current projects in this direction and then invite comments and ideas from the community on the practical, philosophical and financial possibilities for publishers and libraries to collaborate on this important and emerging topic.

Tuesday, December 11, 2012 1:00-2:00 PM South American A

The Future of Fedora

Edwin Shin
Managing Partner
MediaShelf

Tom Cramer
Chief Technology Strategist
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Stanford University

Matthias Razum
Head e-Science
FIZ Karlsruhe

Jonathan Markow
Chief Strategy Officer
DuraSpace

Thornton Staples
Director, Office of Research
Information Services
Smithsonian Institute

Mark Leggott
President
DiscoveryGarden

Fedora (Flexible Extensible Digital Object Repository Architecture) is an open source system under the stewardship of the DuraSpace not-for-profit organization. Fedora is in use around the world, and has met the goal of becoming a durable repository for hundreds of institutions, with years of proven, production-level software supported by a vibrant community. But the world has changed as Fedora has matured, and new needs are emerging for scaling, performance and ability to integrate into wider ecosystems. Research data management, linked data, and ease of incorporation into frameworks like eSciDoc, Hydra, Islandora and microservice-based architectures have become paramount concerns.

To meet these emerging needs and position Fedora to not just survive but thrive in the face of these challenges, a small set of activist Fedora users has engaged with DuraSpace to develop a "Fedora Futures" strategy, with the goal of dramatically increasing the project's velocity and level of community investment to address these challenges and expand Fedora into new markets over the next three years. Members of the Fedora community and DuraSpace will discuss planned improvements in this presentation and panel discussion.

<http://www.fedora-commons.org/>

Tuesday, December 11, 2012 1:00-2:00 PM Statler A/B

**Collaborative Statewide Networked Information Content:
Case Study in the Development and Operation
of the Portal to Texas History**

Martin Halbert
Dean of Libraries
University of North Texas

Helen Agüera
Senior Program Officer
National Endowment for the Humanities

Brenda Gunn
Associate Director for Research
and Collections
Briscoe Center for American History
University of Texas at Austin

Mark Phillips
Assistant Dean for Digital Libraries
University of North Texas

More than 200 libraries, museums, archives, and scholarly research centers collaborated to create the statewide Portal to Texas History over a 10 year period. This rich resource now contains millions of files comprising more than 220,000 titles, many of which are extensive back-runs of historic state newspapers. The Portal is now used millions of times per year by both academic and public researchers. This panel will discuss the Portal to Texas History as a case study in large-scale collaboration to develop networked information content. Issues that will be discussed by panel participants include the national context of digitization efforts, scholarly guidance in content selection, community engagement, standards-based technology for content aggregation at scale, assessment of usage and impacts, and strategies for long-term sustainability.

<http://texashistory.unt.edu/>

Tuesday, December 11, 2012 1:00-2:00 PM Massachusetts

**Video At Risk:
Preserving Commercial Video Collections in Research Libraries**

Howard Besser
Director, Moving Image Archiving
and Preservation Program
New York University

Walter Forsberg
Research Fellow, Libraries
New York University

Melissa Brown
Scholarly Communications Librarian
New York University

What will become of commercially produced circulating analog video collections in libraries, in the near-term? New York University studies reveal a significant number of mass-produced VHS titles distributed to the higher education market are now both out-of-print and held by a small number of institutions, posing an urgent and complex challenge to media collections managers. This panel comprises several in-progress findings from The Andrew W. Mellon Foundation-funded "Video At Risk" (VAR) project, designed as a practical map for libraries to systematically replace, migrate, and preserve these collections. The session will include an overview of the VAR project, information about the project's Section 108 Guidelines for reformatting copyrighted materials, tests quantifying tape deterioration, and the project's strategies for replacement.

<http://www.nyu.edu/tisch/preservation/research/video-risk/>