<table>
<thead>
<tr>
<th>Time</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 AM</td>
<td>5:00 PM – 9:00 PM Registration Open Sunday May 17th</td>
<td>7:00 AM – 5:00 PM Monday – Wednesday</td>
<td>7:00 AM – 12:00 PM Thursday</td>
<td></td>
</tr>
<tr>
<td>8:30 - 10:00 AM</td>
<td>Plenary - Session 1 (2 concurrent sessions)</td>
<td>Plenary - Session 5 (2 concurrent sessions)</td>
<td>Plenary - Session 1 (2 concurrent sessions)</td>
<td>Plenary - Session 5 (4 concurrent sessions)</td>
</tr>
<tr>
<td></td>
<td>GT Hotel Grand Ballroom</td>
<td>GT Hotel Grand Ballroom</td>
<td>GT Hotel Grand Ballroom</td>
<td>GT Hotel Grand Ballroom</td>
</tr>
<tr>
<td>10:00 - 10:30 AM</td>
<td>Break</td>
<td>Break</td>
<td>Break</td>
<td>Break</td>
</tr>
<tr>
<td></td>
<td>Grand Ballroom Hallway</td>
<td>Grand Ballroom Hallway</td>
<td>Grand Ballroom Hallway</td>
<td>Grand Ballroom Hallway</td>
</tr>
<tr>
<td>10:30 - 12:00 PM</td>
<td>Plenary - Session 2 (2 concurrent sessions)</td>
<td>Plenary - Session 6 (2 concurrent sessions)</td>
<td>User Groups - Session 2 (2 concurrent sessions)</td>
<td>User Groups - Session 6 (4 concurrent sessions)</td>
</tr>
<tr>
<td></td>
<td>GT Hotel Grand Ballroom</td>
<td>GT Hotel Grand Ballroom</td>
<td>GT Hotel Grand Ballroom</td>
<td>GT Hotel Grand Ballroom</td>
</tr>
<tr>
<td>12:00 - 1:30 PM</td>
<td>Lunch (provided)</td>
<td>Box Lunch (provided)</td>
<td>BoF Sessions</td>
<td>Lunch (on your own)</td>
</tr>
<tr>
<td></td>
<td>GT Hotel Dining Room</td>
<td>GT Hotel</td>
<td>GLC</td>
<td>GLC</td>
</tr>
<tr>
<td>1:30 - 3:00 PM</td>
<td>Plenary - Session 3 (2 concurrent sessions)</td>
<td>Plenary - Session 7 (2 concurrent sessions)</td>
<td>User Groups - Session 3 (5 concurrent sessions)</td>
<td>Workshops (5 concurrent workshops)</td>
</tr>
<tr>
<td></td>
<td>GT Hotel Grand Ballroom</td>
<td>GT Hotel Grand Ballroom</td>
<td>GT Hotel Grand Ballroom</td>
<td>GLC</td>
</tr>
<tr>
<td>3:00 - 3:30 PM</td>
<td>Break</td>
<td>Break</td>
<td>Break</td>
<td>Break</td>
</tr>
<tr>
<td></td>
<td>Grand Ballroom Hallway</td>
<td>Grand Ballroom Hallway</td>
<td>Grand Ballroom Hallway</td>
<td>Grand Ballroom Hallway</td>
</tr>
<tr>
<td>3:30 - 4:30 PM</td>
<td>Plenary - Session 4 (2 concurrent sessions)</td>
<td>Plenary - Session 8 (2 concurrent sessions)</td>
<td>User Groups - Session 4 (4 concurrent sessions)</td>
<td>User Groups - Session 8 (3 concurrent sessions)</td>
</tr>
<tr>
<td></td>
<td>GT Hotel Grand Ballroom</td>
<td>GT Hotel Grand Ballroom</td>
<td>GT Hotel Grand Ballroom</td>
<td>GT Hotel Grand Ballroom</td>
</tr>
<tr>
<td>4:30 - 6:00 PM</td>
<td>Keynote Address</td>
<td>Buses from GT Hotel to Georgia Aquarium</td>
<td>Break</td>
<td>Workshops (5 concurrent workshops)</td>
</tr>
<tr>
<td></td>
<td>GT Hotel Grand Ballroom</td>
<td>GT Hotel</td>
<td>GLC</td>
<td>GLC</td>
</tr>
<tr>
<td>5:00 - 5:15 PM</td>
<td>Dinner (on your own)</td>
<td>Georgia Aquarium Tour (provided)</td>
<td>Minute Madness</td>
<td>Minute Madness</td>
</tr>
<tr>
<td></td>
<td>(sign-up sheets available)</td>
<td>(provided)</td>
<td>GLC</td>
<td>GLC</td>
</tr>
<tr>
<td>6:00 - 6:15 PM</td>
<td>Dinner - Georgia Aquarium (provided)</td>
<td>Dinner - Georgia Aquarium (provided)</td>
<td>Minute Madness</td>
<td>Minute Madness</td>
</tr>
<tr>
<td></td>
<td>Break</td>
<td>Break</td>
<td>Break</td>
<td>Break</td>
</tr>
<tr>
<td></td>
<td>GLC</td>
<td>GLC</td>
<td>GLC</td>
<td>GLC</td>
</tr>
</tbody>
</table>
**Program Chair**

John B Howard :: John.B.Howard@ASU.edu  
Arizona State University Libraries

**Steering Committee**

Adrian Burton :: Adrian.Burton@anu.edu.au  
Australian Partnership for Sustainable Repositories

Leslie Carr :: lac@ecs.soton.ac.uk  
University of Southampton

Sayeed Choudhury :: sayeed@jhu.edu  
Johns Hopkins University

Michele Kimpton :: michele@dspace.org  
DSpace Foundation

John Leggett :: leggett@tamu.edu  
Texas A&M University Libraries

Clifford Lynch :: clifford@cni.org  
Coalition for Networked Information

Mark McFarland :: m.mcfarland@mail.utexas.edu  
The University of Texas Libraries

Carol Minton Morris :: clt6@cornell.edu  
Fedora Commons

William Nixon :: w.j.nixon@lib.gla.ac.uk  
University of Glasgow

Sandy Payette :: payette@cs.cornell.edu  
Cornell Information Science

MacKenzie Smith :: kenzie@mit.edu  
MIT Libraries

Tyler Walters :: tyler.walters@library.gatech.edu  
Georgia Tech Library

**Host Committee**

Tyler Walters :: tyler.walters@library.gatech.edu  
Georgia Tech Library

Bill Anderson :: bill.anderson@library.gatech.edu  
Georgia Tech Library

Sara Fuchs :: sara.fuchs@library.gatech.edu  
Georgia Tech Library

Katie Gentilello :: katie.gentilello@library.gatech.edu  
Georgia Tech Library

Scott Gillies :: sgillies@ggc.usg.edu  
Georgia Gwinnett College Library

Larry Hansard :: larry.hansard@library.gatech.edu  
Georgia Tech Library

Heather Jeffcoat :: heather.jeffcoat@library.gatech.edu  
Georgia Tech Library

Lars Meyer :: lmeyer2@emory.edu  
Emory Libraries

Fatih Oguz :: foguz@valdosta.edu  
Valdosta State University

Susan Wells Parham :: susan.parham@library.gatech.edu  
Georgia Tech Library

Julie Speer :: julie.speer@library.gatech.edu  
Georgia Tech Library

Jody Thompson :: jody.thompson@library.gatech.edu  
Georgia Tech Library
Welcome

Welcome OR ’09 attendees to Atlanta and the Georgia Institute of Technology! We are honored and proud to host the 4th International Conference on Open Repositories. Springtime is a great season to visit Atlanta with the average temperatures being 80°F (27°C) for the high, 55°F (13°C) for the low, and the humidity should be low for the eastern United States. Atlanta is a beautiful flowering city in the Spring and we hope you all will find time to enjoy it in addition to the great program that has been created for you.

The OR community is very much alive and well. We received an overflow of excellent program proposals for the general program and the user group tracks. We will also have an outstanding group of about 40 posters for your review at the May 20th reception, which indicates the fast paced and high level of project activity taking place in the OR community. Also, for the first time, OR will host five concurrent workshops on the afternoon of Thursday May 21st at the close of the conference, ranging from cloud storage and implementing SWORD, to new repository tools from DSpace, Microsoft and VTLS. The keynote speaker on Monday will be John Wilbanks of Science Commons, whose presentation is entitled “Locks and Gears: Digital Repositories and the Digital Commons.” His talk will prove to be an evocative think piece on repositories, their purpose and usage. The most up-to-date conference information is available on the conference web site at https://or09.library.gatech.edu. So, please take some time to review the program offerings there.

We have also lined up a special treat. The main OR Reception will be a banquet dinner and tour of the world-class Georgia Aquarium, which has only been open for slightly more than three years. The touring time will be exclusive to OR attendees and the banquet dinner will be catered by the Aquarium’s Wolfgang Puck dining service. All this is only 1.5 miles away from the Georgia Tech Hotel (shuttles will be provided). This wonderful social event is being brought to us through the sponsorship of Sun Microsystems and Microsoft Research and we thank both of them for their generous support and friendship to the OR community. Lastly, restaurants abound on Atlanta’s 5th Street, West Peachtree and Peachtree streets, and the nearby environs. We hope you will enjoy some of the fine cuisine that has developed in Atlanta in recent times and enjoy the camaraderie and learning that comes from attending OR conferences. We look forward to seeing all of you here in Atlanta in May.

Safe Travels Everyone,

Tyler Walters
Chair, OR09 Organizing Committee
Conference Information

For updated conference information, see the conference website: https://or09.library.gatech.edu/
OR’09 Host Committee: or09info@library.gatech.edu
Conference CrowdVine site: http://or09.crowdvine.com/

Access:
The conference will take place in the Georgia Tech Hotel May 18 & 19, and the Georgia Tech Global Learning Center (GLC) May 20 & 21. For access information, please contact the venues.
Georgia Tech Hotel: telephone 404-347-9440 :: website http://www.gatechhotel.com
Georgia Tech Global Learning Center: telephone 404-385-6203 :: website http://www.gatechcenter.com

Developer Challenge:

Repository Challenge
Sponsored by JISC and Microsoft, the Repository Challenge is an informal competition which will take place May 18 & 19, in Conference Rooms 1 & 2 of the Georgia Tech Hotel. This year, an all expenses paid trip to a US or UK developer event will be rewarded to the winning developer team at the OR ‘09 Reception Thursday night. For more information, stop by the JISC RepoChallenge Registration Desk (next to the OR ‘09 registration desk).

Developer Lounge
May 20 & 21, meet with other developers to talk shop – Global Learning Center, Room 328.

Internet Access:
Visitors may obtain Wi-Fi access for many locations on the GT campus, including the GT Hotel and GLC.
User IDs and passwords will be available at registration.

Library Tours:
Tours of the Georgia Tech Library are available during standard business hours by contacting:
Charlie Bennett: 404-385-08679 :: charlie.bennett@library.gatech.edu
Bruce Henson: 404-894-1390 :: bruce.henson@library.gatech.edu

Meals:
Continental breakfast (7AM) and breaks in the GT Hotel Grand Ballroom Hallway (May 18 & 19) and the GLC (May 20 & 21)
Lunch May 18 - GT Hotel Dining Room (buffet lunch will be served in two 45 minute sessions)
Lunch May 19 - GT Hotel Birds of a Feather Lunch (box lunches and meeting spaces provided)
Lunch May 20 - GLC Vendor Lunch (box lunches and meeting spaces provided, sessions by Microsoft & Sun)
Lunch May 21 - On your own
Dinner May 18 - On your own (sign-up sheets available at the registration desk)
Dinner May 19 - Open Repositories ‘09 Reception at the Georgia Aquarium (dinner & transportation provided)
Dinner May 20 - On your own, following Poster Reception in GT Hotel Grand Ballroom (hors d’oeuvres provided)

Additional information about logistics and sign-up sheets available at the registration desk.

Meeting Rooms:
May 18 & 19: Conference Rooms Six, Seven and Eight in the GT Hotel are provided for your use for impromptu gatherings.
Please be aware that these rooms are reserved for the BoF sessions during lunch on Tuesday, May 19th.
May 20 & 21: Conference Rooms 315, 317, 318 and 319 in the GLC are available for your use.

Vendors:
The vendor area will be located next to the registration table in both the GT Hotel (May 18 & 19) and the GLC (May 20).
Representatives from Microsoft and Sun will be available in Amphitheaters 233 and 235 during lunch, May 20.

Volunteers:
Need help? Ask one of our friendly volunteers in the yellow t-shirts, or email the host committee.

Workshops:
Workshops will take place in the GLC on May 21 from 1 – 6 PM, following the conference.
Plenary Session 1
Monday 5/18
8:30 – 10:00 AM
Georgia Tech Hotel Grand Ballroom

Session 1A – Salons I/II/III
The Global Registries Initiative: Progress Report and Software Demonstration
Chris Blackall (Australian National Data Service), Jeremy Frumkin (University of Arizona), Vic Lyte (University of Manchester)

Key stakeholders in the US, UK, and Australia have held a series of meetings to address the need for a global network of digital library collection and service registries. The architecture and standards used for the global network have yet to be finalized, but there is growing awareness of the potential of such a service and there are software systems available that demonstrate its benefits. The speakers will showcase and discuss two such software systems. The presentation will also provide an overview of registry technologies and standards and how these relate to repository development globally.

Author Identifiers in Scholarly Repositories
Simeon Warner (Cornell)

Bibliometric and usage-based analyses and tools highlight the value of information about scholarship contained within the network of authors, articles and usage data. Less progress has been made on populating and using the author side of this network than the article side, in part because of the difficulty of unambiguously identifying authors. I briefly review a sample of author identifier schemes, and consider use in scholarly repositories. I then describe work at arXiv to implement public author identifiers, services based on them both locally and through a Facebook application, and plans to make this information useful beyond the boundaries of arXiv.

Researcher Name Resolver: A Framework for Researcher Identification in Japan
Kei Kurakawa (National Institute of Informatics), Hideaki Takeda (National Institute of Informatics), Masao Takaku (National Institute for Materials Science), Akiko Aizawa (National Institute of Informatics)

The Researcher Name Resolver provides users with a directory of researchers in Japan and links to researcher web resources. To implement its functions, we made the researcher identification framework to resolve name issues, such as researchers with the same family name and personal name, maiden name, and kanji character variants. Each personal page has links to queries with the name for other services, such as CiNii: a Japanese article search, WebCat Plus: a book holdings search of Japanese universities, ReaD, Google and Google Scholar.

Session 1B – Salons IV/V/VI
AgEcon Search: An International Disciplinary Repository
Julie Ann Kelly, Louise Letnes (University of Minnesota)

AgEcon Search is a discipline-oriented repository, started in 1995, which includes working papers, conference papers and journal articles in the field of applied economics. Running on DSpace, it is housed at the University of Minnesota and coordinated by two librarians. Involvement of professional associations has been critical in its success, and other contributors include academic departments, government agencies and NGOs. Over 32,000 documents are included, from 170 groups in 35 countries.

Economists Online
Michelle Blake (NSDL Technical Network Services, Cornell)

NEEO (Network of European Economists Online) is a 30 month EU-funded project. NEEO is the flagship project of the Nereus consortium which currently consists of twenty-three prestigious partners in the world of academic economics. These partners are based not only in Europe (Tilburg University, London School of Economics, Oxford University, Université Toulouse 1 Sciences Sociales) but also include partners in Australia (Monash University) and the USA (Columbia University). NEEO aims to address the lack of integration of academic output amongst premier European economics institutions by increasing the accessibility and usability of quality content through an original, relevant and valued new service called Economists Online.

Virtual Digital Mathematics Library in Japan over Digital Repositories
Takao Namiki (Hokkaido University)

There are hundreds of small scale mathematical journal titles in Japan, which are published by budgets of mathematics department. Most of the titles are loaded on projecteuclid.org and institutional repositories. Contents of DML-JP consist of metadata records of such journal articles harvested from the digital repositories. DML-JP is, in a sense, a subject specific repository which collaborates with various digital repositories. Beyond portal website, DML-JP provides subject-specific metadata through OAI-ORE. By the schema it is enabled that digital repositories can load the rich metadata which were added by mathematicians.
Session 2A – Salons I/II/III

Eliciting Faculty Requirements for Research Data Repositories
Michael Witt (Purdue University)

In a two-year project sponsored by IMLS, investigators from Purdue University and the University of Illinois are addressing the question, “Which researchers are willing to share data, when, with whom, and under what conditions?” In-depth interviews and surveys have been conducted with faculty about their scientific workflow and range of research outputs to identify needs for discovery, access, use, and repurposing of their data. We will share preliminary findings that relate the needs for data curation that were expressed by the subjects to possible functional requirements that a data repository system can provide.

Research 2.0: Evolving Support for the Research Landscape
Mark A Leggott (University of PEI)

The University of PEI Library has developed a robust framework in terms of strategy, policy, education and the development of a Virtual Research Environment (VRE) in providing support for research. The recently produced Research Strategic Plan includes recommendations for research infrastructure, combined with a flexible approach to funding, and the ongoing development of an open source research platform. The platform uses a Drupal/Fedora data repository and collaborative web environment to accommodate a wide range of research requirements and also allow research groups to get up and running with whatever environment is appropriate.

Institutional Repositories: Contributing to Institutional Knowledge Management and the Global Research Commons
Wendy White (University of Southampton)

This proposal explores strategies for institutional repository developments in the context of knowledge management. We need to view repositories as part of the knowledge processes of an institution. This includes: improvements to the scope and granularity of the technical infrastructure to support business processes; incentives which support the role repositories play in developing social capital; policies that provide a culture of trust; tools to enhance the contribution of repositories to communities of practice. Engagement with institutional knowledge creation impacts all aspects of the research lifecycle and the proposal explores how this approach also facilitates contribution to an open research commons.

Session 2B – Salons IV/V/VI

LORE: A Compound Object Authoring and Publishing Tool for Literary Scholars based on the FRBR
Anna Gerber, Jane Hunter (The University of Queensland)

LORE (Literature Object Re-use and Exchange) is a lightweight tool designed to enable scholars and teachers of literature to author, edit and publish OAI-ORE-compliant compound information objects that encapsulate related digital resources and bibliographic records. LORE provides a graphical user interface for creating, labeling and visualizing typed relationships between individual objects using terms from a bibliographic ontology based on the IFLA FRBR. After creating a compound object, users can attach metadata and publish it to a Fedora repository (as an RDF graph) where it can be searched, retrieved, edited and re-used by others.

Connecting Authors and Repositories through SWORD
Pablo Fernicola (Microsoft Corporation)

By incorporating SWORD support into an add-in for Microsoft Word, it is now possible for authors to deposit articles to Information Repositories directly from their word processor. Furthermore, the SWORD related information can be incorporated into template files. Since templates can incorporate semantic information, articles can be validated against the template as part of the submission process, enabling authors to correct errors prior to submission. Also, through the add-in, author metadata can be gathered in a largely automated fashion, reducing duplication in data entry and author aggravation.

The Cutting Edge of SWORD
Adrian Stevenson (UKOLN, University of Bath), Julie Allinson (University of York)

The presentation will give an overview of the UK JISC (Joint Information Systems Committee) funded SWORD2 project. It will essentially be concerned with the need for, and development of, a specification that can be used for depositing research, and learning and teaching materials, and which gave rise to the original SWORD (Simple Web service Offering Repository Deposit) project 1. The presentation will look at how the original SWORD project and the current SWORD 2 project have realised the vision of a standard deposit protocol. The presentation will also consider the future of SWORD and look at some of the recent activity that has arisen around the project outputs, including the adoption into Microsoft Office, a SWORD Facebook application, a Netvibes widget, and current progress with international publishers.
Exploring High-Level Concepts for Repository Networks
Wolfram Horstmann (Bielefeld University), Carl Lagoze (Cornell), Les Carr (University of Southampton), Neil Jacobs (JISC), Andrew Treloar (Australian National Data Service), Johan Bollen (Los Alamos National Research Laboratory)

Picture a landscape architect who is successfully advancing the building of urban areas by using carbon fibers but without having a specific city-map in mind. A similar impression is sometimes caused when one is following the rapid and manifold developments in the context of “repositories” considered as a savior to future solutions for managing digital scholarly information.

The developments are successful and effective; the importance of setting up, deploying and enhancing repositories and networks of repositories is out of question. However, advances are rather made by trial and error than by following a master-plan. In order to fill this theoretical vacuum, conceptual makeshifts such as “repository ecology” or “repository landscape” are mentioned frequently, indicating that some kind of complex or even “organic” characteristic is supposed to be inherent in repository networks.

The panel will discuss the usefulness of such high-level concepts for furthering repository networks, especially with respect to the following questions:

- Does a ‘theory’ for repository networks make sense or is an incremental approach necessary and sufficient?
- What are important organizational principles for repository networks, e.g. simplicity, distribution, peer-to-peer, common policies (standards), structural frameworks?
- What is the right level of description for repository networks: technology, content, metadata, organization, policy?
- What makes repository networks different from other networks, notably web architecture? Are there established theoretical frameworks such as graph theory, network analysis, cybernetics or the like that can be applied to repository networks?
- How do repository networks relate to keywords like cyberinfrastructure/data-net, e-Infrastructure, grid, cloud-computing or digital library frameworks?

The panel does not aim at a specific result. Maybe a first step towards a theory driven approach to build repository networks can be made, maybe the conclusion will be that repository networks cannot be planned but have to “evolve.”
Strategies for Innovation and Sustainability: Insights from Leaders of Open Source Repository Organizations

This panel convenes leaders of organizations that provide the major open repository software platforms featured at OR09. This session provides an opportunity to learn about the strategic processes behind the software – both from a technical and business perspective. The panelists will each provide an overview of their strategic approach open source and open repositories. Specific attention will be paid to strategies for promoting innovation, governance and organization models, and revenue and business models. The area of sustainability and business models for open source software is active and evolving and there is no one-size-fits-all solution. The panelists will discuss their views on ensuring the health and vitality of their platforms, addressing challenges such as: ensuring stability while promoting innovation; generating revenue; enabling community process, governance, and organizational development.

DSpace Foundation and Fedora Commons
Michele Kimpton (DSpace Foundation), Sandy Payette (Fedora Commons)

The DSpace Foundation and Fedora Commons are working in unison to develop strategies for innovation and sustainability. Through their combined expertise, both organizations intend to make important contributions to advancing the state of open technologies that support scholarship, science, and cultural heritage. As non-profit organizations, there are opportunities to achieve economies of scale, to create synergies in developing open technologies, and to align on models for non-profit business sustainability. Sandy and Michele will focus on several dimensions of sustainability, including: (1) mission, (2) markets and communities, (3) funding and revenue, (4) governance, (5) advocacy, and (6) efficiencies. They will discuss their joint strategies framed within a mission-centric approach that includes sustaining the DSpace and Fedora platforms while also developing new joint services such as DuraSpace. A brief review of what’s in the news about open source business models will be provided with a discussion of implications for the non-profit organizations.

EPrints
Les Carr (University of Southampton)

The repository community does not have sufficient resources to devote to development of the platform as well as its deployment. Any development effort that is expended is necessarily local, aimed at meeting the needs or solving the problems of the hosting institution. Repositories are a means to an end, but software-oriented organisations risk sapping the energy and resources of the community, diverting attention from the “ends” back to the “means”. EPrints was developed at the University of Southampton to facilitate Open Access to research outputs and to promote the wider impact of the Web on scholarly and scientific institutions - research, teaching, administration and management. Software development is undertaken principally at Southampton. The EPrints team takes part in funded projects to develop the capabilities of the software. In addition, EPrints Services is the commercial arm of the EPrints team that provides for-pay repository hosting, training and bespoke development services that finance the continued development of the EPrints open source platform. These mechanisms allow the EPrints team to stay in touch with the needs of the wider community, but frees up the team to spend its time promoting Open Access, Open Educational Resources and other developments inspired by the Web.

Microsoft Research
Lee Dirks (Microsoft Corporation)

Over the past ~3 years, Microsoft Research has been focusing on the need for interoperability for its tools across the entire information lifecycle – from authoring through archiving. Lee will discuss how Microsoft Research came to be interested in the repository space and the development of Zentity, the Microsoft Research Output Platform. From a sustainability standpoint, Lee will discuss of the business justifications and longer-term plans for engagement with the community. He will also cover how Microsoft is incorporating key protocols such as SWORD and ORE into its tool-set. The audience will gain insight into how Microsoft is focusing beyond the repository, as well as the specific decision to open source their repository platform.
Keynote Address
Monday 5/18
4:30 – 6:00 PM
Georgia Tech Hotel Grand Ballroom

Locks and Gears: Digital Repositories and the Digital Commons

John Wilbanks, Vice President of Science, Creative Commons

Biography: As VP of Science, John Wilbanks runs the Science Commons project at Creative Commons. He came to Creative Commons from a Fellowship at the World Wide Web Consortium in Semantic Web for Life Sciences. Previously, he founded and led to acquisition Incellico, a bioinformatics company that built semantic graph networks for use in pharmaceutical research & development. Previously, John was the first Assistant Director at the Berkman Center for Internet and Society at Harvard Law School and also worked in US politics as a legislative aide to U.S. Representative Fortney (Pete) Stark. John holds a Bachelor of Arts in Philosophy from Tulane University and studied modern letters at the Universite de Paris IV (La Sorbonne). He is a research affiliate at the MIT Computer Science and Artificial Intelligence Laboratory in the project on Mathematics and Computation. John also serves on the Advisory Boards of the U.S. National Library of Medicine’s PubMed Central, the Open Knowledge Foundation, the Open Knowledge Definition, and the International Advisory Board of the Prix Ars Electronica’s Digital Communities awards. He also serves on the Board of Directors of the Fedora Commons digital repository organization.
Plenary Session 5  
Tuesday 5/19  
8:30 – 9:30 AM  
Georgia Tech Hotel Grand Ballroom

Session 5A – Salons I/II/III  
Policy-Based Distributed Data Management Systems  
Reagan W. Moore (UNC), Arcot Rajasekar (UNC), Michael Wan (UCSD), Wayne Schroeder (UCSD)

Digital repositories can be defined by their policies and procedures. The integrated Rule Oriented Data System explicitly characterizes policies as computer actionable rules and procedures as computer executable micro-services. By tuning the policies and procedures, different data management applications can be created, including digital libraries for publishing data, persistent archives for preserving data, and data grids. Rules can be implemented that validate assessment criteria, automate administrative management functions, and enforce management policies. We examine the design criteria behind the creation of policy-based distributed data management systems, and the capabilities that are enabled.

Enabling Inter-Repository Access Management between iRODS and Fedora  
Bing Zhu (UCSD), Richard Marciano (UNC), Reagan W. Moore (UNC)

Many digital repositories have been built using different technologies such as Fedora and the integrated Rule-Oriented Data System (iRODS). This paper analyzes both the Fedora and iRODS technologies to understand how to integrate the two systems to enable cross-repository data sharing. The areas considered include the digital object model, services, management of distributed storage, external data resources, and policy enforcement.

Session 5B – Salons IV/V/VI  
Naming, Branding and Promoting the Institutional Repository: A Social Marketing Approach from the Canadian Perspective  
Wayne Johnston (University of Guelph Library)

This presentation will discuss strategies for the promotion of institutional repositories within the context of social marketing, focusing in particular on how the institutional repository is named and branded. It will present findings from successful repositories around the world but will draw particular attention to the experience of member institutions of the Canadian Association of Research Libraries. The University of Guelph Library will serve as a case study for more detailed analysis.

Secrets of Success: Identifying Success Factors in Institutional Repositories  
Elizabeth Yakel, Soo Young Rieh, Karen Markey, Beth St. Jean, Xingxing Yao (University of Michigan)

There is little agreement on which factors lead to successful institutional repositories. Researchers primarily cite content recruitment and services as key factors; however, there has also been discussion of measuring IR success in terms of how well the IR furthers the overall goals of the library. This paper examines the topic of IRs and success. Our findings are based on a comparative case study of five IRs in colleges and universities. We argue that success should be measured by both internal (e.g., content or services) as well as external factors – how well the IR fulfills or brings the library closer to achieving its long-term goals in terms of service to the academic community.
Plenary Session 6
Tuesday 5/19
10:00 – 11:30 AM
Georgia Tech Hotel Grand Ballroom

Session 6A – Salons I/II/III
Reusing Open-Access Content Using Authoring Tools
Lieven Droogmans (@mire NV)

@mire, with the support of the Flemish government, has developed a prototype and conducted many experiments in order to investigate the possibilities and usability of using open access repositories in the entire life-cycle of academic research, authoring as well as publishing. This leads to answers on the question: How can a repository aid a scholar in writing a (research) paper or prepare slides for a presentation? @mire is a repository service provider, mainly active in the DSpace community, dedicated to promoting and enhancing the use of open access repositories in academic & research institutions.

An Iterative Approach to Building Sustainable Repository Services on Fedora
Bill Parod, Karen Miller, Claire Stewart (Northwestern University)

Northwestern University Library is engaged in a multiyear project to implement a robust digital repository on Fedora. Building a system that accommodates richly heterogeneous collections, empowers staff engaged in a variety of production workflows, and provides access commensurate with the richness materials afford is not achieved all at once. In order to support specific near-term project commitments while building broadly applicable content models and services for the long term, we devised a cyclic three-phase strategy. Feedback and demand from users will result in revision and expansion of core models, services and associated end-user tools.

Adding OAI-ORE Support to Repository Platforms
Alexey Maslov (Texas A&M University)

The Texas Digital Library is a cooperative initiative of Texas universities. One of TDL's core services is a federated collection of ETDs from its member schools. As this collection grew, the need for tools to manage the content exchange from the local to the federated repository became evident. This paper presents our experiences adding harvesting support to the DSpace repository platform using the ORE and PMH protocols from the Open Archives Initiative. We describe our use case for a statewide ETD repository and the mapping of the OAI-ORE data model to the DSpace architecture. We discuss our implementation which adds both dissemination and harvesting functionality to the repository. We conclude by discussing the architectural flexibility added to the TDL repository through this project.

Session 6B – Salons IV/V/VI
ICE-TheOREM - End to End Semantically Aware eResearch Infrastructure for Theses
Jim Downing (University of Cambridge), Peter Sefton (University of Southern Queensland)

The ICE-TheOREM project promotes deposit by integrating the repository with authoring workflows, and enhances open access by adding new infrastructure to allow fine-grained embargo. The authoring tools are built on the ICE content management system, which allows authors to work within a word processing system with easy-to-use toolbars. ICE-TheOREM has demonstrated how focusing on the use of web architecture (including ORE) enables repository functions to be distributed between systems for complex, data-rich compound objects.

Transfer and Inventory Components of Developing Repository Services
Leslie Johnston (Library of Congress)

At the Library of Congress, our most basic data management needs are not surprising: How do we know what we have, where it is, and who it belongs to? How do we get files – new and legacy – from where they are to where they need to be? And how do we record and track events in the life cycle of our files? This presentation describes current work at the Library in implementing tools to meet these needs as a set of modular services – Transfer, Transport, and Inventory – that will fit into a larger scheme of repository services to be developed.

The myExperiment Open Repository for Scientific Workflows
David De Roure (University of Southampton), Carole Goble (University of Manchester), Sergejs Aleksejevs (University of Manchester), Sean Bechhofer (University of Manchester), Jiten Bhagat (University of Manchester), Don Cruickshank (University of Southampton), Danius Michaelides (University of Southampton), David Newman (University of Southampton)

myExperiment is an open repository solution for the born-digital items arising in contemporary research practice, in particular scientific workflows and experiment plans. Launched in November 2007, the public repository has established a significant collection of scientific workflows, spanning multiple disciplines and multiple workflow systems. Built according to Web 2.0 design principles, myExperiment demonstrates the success of blending modern social curation methods with the demands of researchers sharing hard-won intellectual assets.
Session 7A – Salons I/II/III

Restoring Trust Relationships within Collaborative Digital Preservation Federations
Robert H. McDonald (Indiana University), Tyler O. Walters (Georgia Institute of Technology)

The authors extend their process for creating and establishing trust relationships to include steps for restoring trust relationships after catastrophic events. Part of this model will include best practices for business continuity relationships and will integrate trust models from Holland and Lockett (1998) and Ring and Van de Ven (1994) and how they can be applied to a process for trust restoration after periods of disaster or critical data loss. These models provide key frameworks for understanding how trust can be utilized for collaborative start points as well as for collaborative recovery points from physical natural disaster or critical data loss.

Permanent Objects, Disposable Systems
John Kunze, Stephen Abrams, Patricia Cruse (CDL)

The California Digital Library (CDL) preservation program is re-envisioning its curation infrastructure as a set of loosely-coupled, distributed micro-services. The many monolithic systems that support a range of preservation activities also require the user and hosting institution to buy-in to a particular system culture. It is safer and more cost-effective to acknowledge from the outset the inevitable transient nature of systems and to plan on managing, rather than resisting change. We promote a "mix and match" approach in which appropriate content- and context-specific curation workflows can be nimbly constructed by combining necessary functions drawn from a granular set of independent micro-services. The micro-services approach promotes the idea that curation is an outcome, not a place.

Crossing the Curatorial Chasm - Lessons from the FACADE Project
William Reilly (Massachusetts Institute of Technology)

The FACADE project was tasked with developing a preservation strategy and program for proprietary, complex 3D CAD models used in architecture and design. In achieving this goal, the project created an expressive object model as RDF ontology, wrote numerous curatorial applications to assist project comprehension and metadata creation, devised techniques for processing collections at large scale, and designed compelling visualization and discovery user interfaces. Actual instance collections were ingested into DSpace, and UIs manifested from them.

Session 7B – Salons IV/V/VI

DuraSpace
Michele Kimpton (DSpace Foundation), Sandy Payette (Fedora Commons)

The DSpace Foundation and Fedora Commons are investigating the feasibility and interest of a new service, DuraSpace, to serve academic libraries, universities, and other organizations in providing perpetual access to digital content. DuraSpace can be understood as a Web-based service that makes stored digital content more durable, manageable, accessible, and easier to share. A key design feature of DuraSpace is to leave the basics of pure storage to those who do it best and to overlay storage solutions with additional functionality. The service provides baseline functionality that begins with the ability to replicate and distribute content across multiple cloud providers.

Cloud Task Replica – Towards a Preservation Strategy
Richard Rodgers (Massachusetts Institute of Technology)

This presentation will share our experience in the design of a replication management system which attempts to go beyond standard IT backup practices, which protect only against isolated, local, technical or procedural failures. The design attempts to model the problem in a manner flexible enough so that replication can be entirely self-managed within a repository, by a network of peer institutions, or service providers, or any combination of the above, or indeed evolve from one to another. It also envisions replication relationships among heterogeneous repository systems. The system utilizes cloud infrastructure and services for both content storage and replication management, and as such attempts to address some of the inherent scaling and resource allocation issues that typically accompany large replication efforts.

From the Desktop to the Cloud: Leveraging Hybrid Storage Architectures in Your Repository
David Tarrant, Tim Brody, Les Carr (University of Southampton)

Repositories collect and manage data holdings using a storage device. Mainly this has been a local file system, but recently attempts have been made at using open storage products and cloud storage solutions, such as Sun's Honeycomb and Amazon S3 respectively. Each of these solutions has their own pros and cons but there are advantages in adopting a hybrid model for repository storage, combining the relative strengths of each one in a policy-determined model. In this paper we present an implementation of a repository storage layer which can dynamically handle and manage a hybrid storage system.
**Plenary Session 8**
Tuesday 5/19
3:00 – 4:30 PM
Georgia Tech Hotel Grand Ballroom

**Session 8A – Salons I/II/III**

**Supporting the ‘Sharing Institution’ – Practical Steps towards a More Open Teaching and Learning Culture**
Debra Morris, Jessie M N Hey, Hugh C Davis, Sebastien Francois, Tim Miles-Board, Leslie A Carr, Su White (University of Southampton)

What does a more open culture in the practice of teaching mean for the institution itself and its academics? We report on the practical experiences and issues met, in setting up an institutional resource, EdShare, as a vehicle for sharing educational materials more easily in a multi-disciplinary institution. With constructive feedback from faculty, EdShare has migrated into a more visual, web 2.0 style resource with a flexible deposit process promoting ‘micro-sharing.’ It now offers a range of sharing options to support the teaching workflow in an encouraging atmosphere.

**Introduction to the Topaz Framework and the Ambra Publishing Platform**
Richard Cave, Russell Uman (Public Library of Science)

This presentation is an introduction to Topaz, an Open Source content modeling and storage framework that uses the Fedora Service Framework and Mulgara semantic technology as the core engine, and Ambra, a publishing application built on the Topaz framework. We will discuss the architecture of Topaz and some of the semantic technologies created to provide more flexibility with data than relational models. We will review the Ambra publishing platform, the "Web 2.0" features built to foster collaboration and participation, and its new methods for disseminating and sharing scientific information.

**aDORe djatoka: An Open-Source Jpeg 2000 Image Server and Dissemination Service Framework**
Ryan Chute, Lyudmila Balakireva, Stephan Dresher (Los Alamos National Laboratory)

This presentation introduces the aDORe djatoka image server and describes various interoperability approaches with existing repository systems. Djatoka was derived from a need to disseminate high-resolution images stored in an aDORe repository system. Djatoka is able to disseminate images that reside either in a repository environment or that are Web-accessible at arbitrary URIs. The OpenURL Framework was selected to provide an extensible dissemination service framework. We will showcase the flexibility of this interface by introducing a mobile image collection viewer for the iPhone platform.

**Session 8B – Salons IV/V/VI**

**Using LibraryFind™ to Integrate the Institutional Repository into a Shared Library Platform**
Jeremy Frumkin (University of Arizona)

While many institutional repositories provide access interfaces that allow for the harvest of their metadata records, the dynamic query of their resources, or even the ability for internet search engines to crawl their resources, the irony is that the discovery services provided by libraries themselves more often than not do not provide access to the resources contained in the library’s own IR. LibraryFind, and open source application developed at Oregon State University, was the Libraries’ attempt to address this issue by envisioning access of library resources not through individual applications, but through a single cohesive library platform.

**Mounting Books Project**
Steve DiDomenico, Claire Stewart (Northwestern University)

Northwestern University Library undertook a software development project to create an automated workflow to enable files from its Kirtas book scanner to be linked to the OPAC with a page viewer application, and ingested into its Fedora repository as sustainable, reusable digital objects. We also addressed the need for a Fedora-based book viewing tool that can be used by other research libraries with Fedora. The workflow system can be expanded to support new functions in the book publishing process, and can be redeployed in support of other media digitization processes. Supported by the Andrew W. Mellon Foundation, software will be released as open source.

**Conducting a Self-Assessment of a Long-Term Archive for Interdisciplinary Scientific Data as a Trustworthy Digital Repository**
Robert R. Downs, Robert S. Chen (CIESIN, Columbia University)

Long-term preservation and stewardship of scientific data and related information is paramount to the future of science and scholarship. Assessing whether scientific data archives meet the requirements for trustworthy repositories will help to ensure the longevity of today’s collections of scientific data. A continuing self-assessment of a long-term archive for interdisciplinary scientific data is being conducted to identify improvements needed to become a trustworthy repository for future communities of users. Recommendations are offered for archives of scientific data to meet the requirements of a trustworthy repository.
Conference Dinner
Tuesday 5/19
4:45 – 10:00 PM
Georgia Aquarium

4:45 – 5:30 PM
Buses from GT Hotel to Georgia Aquarium

5:00 – 7:00 PM
Self-guided Aquarium Tour

7:00 – 9:30 PM
Buffet Dinner

8:30 – 10:00 PM
Buses from Georgia Aquarium to GT Hotel
User Groups Session 1
Wednesday 5/20
8:30 – 10:00 AM
Georgia Tech Global Learning Center

**DSpace & Fedora** – Strategic Overview
Room 236

*Strategic Overview – Updates and Future Directions from the DSpace Foundation and Fedora Commons*
*Sandy Payette (Fedora Commons), Michele Kimpton (DSpace Foundation)*

In this session, the Executive Directors of the DSpace Foundation and Fedora Commons will join together to discuss their successful strategic partnership and the future directions for their non-profit organizations. The two organizations have been aligning on a common mission and have developed strategies for better serving their collective communities. In this session Michele and Sandy will focus on future directions for open repositories, synergistic opportunities, and sustainability strategies for their organizations. They will also provide an update on the new DuraSpace project, a joint endeavor focused on the providing trust and value in the cloud. After providing their shared strategic report, each will provide an update on activities in their respective DSpace and Fedora communities. They will discuss some of the most exciting developments in DSpace and Fedora since the last Open Repositories conference. Finally they will provide a forecast of their joint strategic milestones.

**EPrints** – An Introduction to EPrints 3.2
Room 222

*An Introduction to EPrints 3.2*
*Les Carr, Tim Brody (University of Southampton)*

In this session we will be introducing EPrints 3.2 and some of the new features. These include:

- Storage Controller – allows hybrid solutions to be built using both local and cloud level storage.
- FTP and WebDAV Support – new ways to connect your desktop to the repository.
- Enhancements to repository web site management – edit repository pages directly from web page editors such as Dreamweaver.

… and others from the list of proposed features for EPrints 3.2.

In sessions 5 and 6 there will be opportunity for hands on experience.
DSpace & Fedora – Technical Overview
Room 236 (10:30-11:30)
Technology Overview - New Releases and Roadmaps for DSpace and Fedora
Brad McLean (DSpace Foundation), Chris Wilper (Fedora Commons)

In this session, the technical leaders of DSpace and Fedora will provide technical overviews of both platforms, including new software releases and roadmaps. The unveiling of DSpace 2.0 is a significant milestone in the DSpace community. Brad will discuss the new modular architecture and provide highlights of the 2.0 software release. Fedora developers have been focusing on a range of new features motivated by improved storage abstraction, lightweight web-orientation, and interoperability. Chris will provide an overview of these new directions and discuss key features in the new Fedora 3.2 release. After their software updates, Brad and Chris will present the DSpace and Fedora roadmaps and discuss future synergistic opportunities across the two platforms.

EPrints – An Introduction to EPrints 3.2
Room 222

An Introduction to EPrints 3.2, continued
Les Carr, Tim Brody (University of Southampton)

In this session we will be introducing EPrints 3.2 and some of the new features. These include:

- Storage Controller – allows hybrid solutions to be built using both local and cloud level storage.
- FTP and WebDAV Support – new ways to connect your desktop to the repository.
- Enhancements to repository web site management – edit repository pages directly from web page editors such as Dreamweaver.

... and others from the list of proposed features for EPrints 3.2.

In sessions 5 and 6 there will be opportunity for hands on experience.

Lunch
Wednesday 5/20
12:00 – 1:30 PM
Georgia Tech Global Learning Center

Vendor Lunch
Microsoft Session – Room 235
Sun Session – Room 233
DSpace Birds of a Feather – Rooms 330/331
DSpace – Technical Track

Room 236

DSpace 2.0 and 1.5.2 XMLUI Enhancements to Modularity

Mark R Diggory (@mire NV)

DSpace 2.0 will support modular capabilities at multiple levels of its architecture. While the DSpace Kernel will provide a means to share Services and Configuration detail across multiple deployed web applications within a Servlet Container, the DSpace XMLUI has been ported to Cocoon 2.2, which includes support for the dynamic deployment of “Service Blocks”. Blocks enhance the DSpace XMLUI web-application to support not just the Manakin Aspects deployed at assembly time, but also additional services (or servlets) that may be accessed and replaced polymorphically. By migrating DSpace 1.5.2 to Cocoon 2.2, we are now able to utilize the same Block support to allow DSpace Manakin XMLUI users to more easily add their modules into the Core. We will discuss the Cocoon 2.2 Block capability, showing how it assists in keeping customizations cleanly separated and manageable by the developer.

Modifications to DSpace 1.5: A Technical Overview

Elliot Metsger (Johns Hopkins University)

In the fall of 2008, the Library Digital Programs of the Johns Hopkins University's Sheridan Libraries launched a new version of JScholarship, the Johns Hopkins institutional repository, based on the DSpace 1.5 platform. Requirements gathering identified missing features of the software platform. Embargos, bitstream suppression, unit testing, and other modifications were implemented prior to launch.

Service Manager Framework for 2.0

Aaron Zeckoski (University of Cambridge)

This will be a high-level introduction to the DSpace 2 kernel architecture. There will also be an introduction to the new authentication/authorization system and storage service (which allows integration with other storage systems like JCR, Fedora, DBMS, etc.). The DS2 Kernel is a modular system which supports a plugin/provider model which is runtime hot-swappable. Developers can register any service/provider bean or class with the DS2 kernel Service Manager. The goal of this system is to allow DS2 to be extended without requiring any changes to the core codebase or a rebuild of the code code.

http://wiki.dspace.org/index.php/DSpace_2.0/Kernel

DSpace – Manager Track

Rooms 330/331

Theses and Dissertations Live: Oregon State University Libraries’ ETD Workflow

Sue Kunda (Oregon State University)

By January 2007, all Oregon State University (OSU) graduate students were required to deposit their final research to the Electronic Theses and Dissertations (ETD) Collection in ScholarsArchive@OSU. Using DSpace, the OCS Graduate School and library coordinated efforts to provide a seamless submission process. Students create descriptive metadata; the Graduate School validates the ETD; library staff reviews the metadata and adds Library of Congress Subject Headings. We use a modified version of MarcEdit, a homegrown cataloging utility, to map the DSpace Dublin Core metadata to MARC and import the metadata into the library online catalog and WorldCat.

Promoting Your Research with Citeline - An Advanced Bibliographic Citation Publishing Service

Sean Thomas (Massachusetts Institute of Technology)

Faculty and their collaborators are often burdened with exposing and promoting their research contributions across multiple organizational and personal websites. MIT Libraries has created Citeline, an online service to facilitate the web publishing of author bibliographies and citation collections as interactive exhibits and to facilitate the sharing of this type of information. The service makes it simple for authors to create online bibliographies simply by uploading a batch of citations in BibTeX. End-users of the published exhibits have increased functionality. The presentation will showcase Citeline, and will explore some future directions currently being considered.

Implementing a Data Publishing Service via DSpace

Jon W. Dunn, Randall Floyd, Garrett Montanez, Kurt Seiffert (Indiana University)

The Indiana University Libraries and Digital Library Program offer a set of online scholarly communication services to IU scholars under the brand IUScholarWorks. To complement existing services, they are collaborating with the Research Technologies division of IU’s central IT organization to implement a research data publishing service as a new feature of IUScholarWorks Repository. The goal is to allow researchers to easily publish their datasets for online access at a stable web address, reference these datasets from publications, and assume at least bit-level preservation of the data. We will discuss our conception of the service, its technical architecture and design, metadata requirements, and progress.
**User Groups Session 3**  
Wednesday 5/20  
1:30 – 3:00 PM  
Georgia Tech Global Learning Center

**EPrints – Community Presentations Session 1**  
Room 222

**An Institutional Repository for Use in Creative and Applied Arts**  
Tim Brody (University of Southampton)

The Kultur project was a 2 year JISC funded project to investigate the requirements for a visual arts research repository. Kultur used the EPrints software to build a repository that was then extended to provide better support for multimedia and a modified deposit workflow. I will explain the features that were built and how they improved the user interface for accessing complex media.

**Building a Central Repository for Nanomanufacturing**  
Rebecca Reznik-Zellen, Bob Stevens (Center for Hierarchical Manufacturing, University of Massachusetts)

This presentation will describe the INR project with attention to its unique content, taxonomy, and customizations to the EPrints standard interface. The InterNano Nanomanufacturing Repository (INR) is a central repository of nanomanufacturing research and trade information, administered by the National Nanomanufacturing Network (NNN) and funded by the National Science Foundation. The INR is unique because it crosses not only institutional and disciplinary boundaries but also sector boundaries by including reports, research, teaching aids, and grey literature relevant to nanomanufacturing from academic, government, and industrial entities. The NNN has customized the EPrints interface to reflect the InterNano Nanomanufacturing Clearinghouse, which the INR is designed to support. In addition, the NNN is manually migrating and soliciting content from its affiliates to build collections. Looking ahead, the NNN will be implementing an OAI harvester and initiating a SWORD pilot project to facilitate the deposition of relevant content from the vast body of nanotechnology literature.

**The Repository in the Bazaar**  
Yvonne Margaret Howard (University of Southampton), David E Millard (University of Southampton), Patrick McSweeney (University of Southampton), Kate Borthwick (University of Southampton), Miguel Arrebola (University of Portsmouth)

This paper describes the Language Box, a teaching and learning repository which aims to collect the outputs of teaching practitioners. Focusing the design of the interface on the core services we offer and releasing the software early and frequently have helped Language Box engage with the user community. Language Box now faces new challenges to increase uptake and deal with the technical and social issues of maintaining a repository where the content evolves through inspiration and co-creation.

**Linnean Online and SNEEP**  
Richard M. Davis (University of London Computer Centre)

I will outline ongoing work by the University of London Computer Centre and the Linnean Society of London to provide online access to a large quantity of digitised material from the archives of the 18th Century scientist Carl Linnaeus (www.linnean-online.org). Technical innovations have included several additions to the core EPrints functionality. For the user, these include: use of the FSI Viewer utility to enable the user to magnify and measure the images; embedded hyperlinks to cross-link common metadata values; user-managed bookmarks; links to an external site of transcripts and translations of the correspondences. Work on Linnean Online also led to a UK JISC-funded project, SNEEP (Social Networking Extensions for EPrints). This extended the Bookmarks functionality to implement user-contributed Comments and Tagging for items in the repository.
Fedora – User Interfaces
Room 235
Facilitating Wiki/Repository Communication with Metadata
Laura M. Bartolo, Cathy S. Lowe, Robert J. Tandy, Poonam Songar (Kent State University)

The National Science Digital Library (NSDL) Materials Digital Library Pathway (MatDL) has implemented an information infrastructure to disseminate government funded research results and to provide content as well as services to support the integration of research and education in materials. We are enabling two-way communication between a digital repository and open-source collaborative tools, such as wikis, to support users’ education in the creation and re-use of compelling learning resources. A search results plug-in for MediaWiki has been developed, and wiki-to-repository information transfer has also been facilitated.

Fedora and Django for an image repository: a new front-end
Peter Herndon (Memorial Sloan-Kettering Cancer Center)

Here at Memorial Sloan-Kettering Cancer Center, we have created a new front-end to Fedora using Django and Python. Our Fedora repository is used to store primarily images of various types, with varying levels of security requirements. To achieve maximum flexibility and rapid turn-around on our projects, we turned to a significantly more agile language and a web framework that allows the developer to concentrate on domain-specific logic. We will detail our solutions for Fedora ingestion, integration of Fedora within the Django web framework, and include an active demonstration of our repository front-end.

The Fascinator: A lightweight, modular contribution to the Fedora-commons world
Peter M Sefton, Oliver Lucido (University of Southern Queensland)

The ARROW project (Australian Research Repositories Online to the World) sponsored a hybrid commercial/open-source approach to building vendor-supported repository infrastructure with open-source underpinnings. One of the OS contributions is a simple to install and configure front-end web service for Fedora repositories known as “The Fascinator”. The goal was to build a useful, fast, flexible web front end for a repository using a single fast indexing system to handle browsing via facets, full-text search, multiple ‘portal’ views of subsets of a large corpus, and most importantly, easy-to-administer security.

Fedora – Supporting Education and Research
Room 233
Fedora Goes to School: Experiences Creating a Curriculum Customization Service for K-12 Teachers
Tamara Sumner (University of Colorado at Boulder), John Weatherley (University Corporation for Atmospheric Research)

In partnership with Denver Public Schools (DPS), we are using open source digital library infrastructure available through the NSF-funded National Science Digital Library program to create a scalable Curriculum Customization Service. We are building on top of the Fedora-based NCore EduPak, which consists of the NSDL Collection System, the Digital Discovery System, and the NSDL Data Repository. We will describe the Curriculum Customization Service and lessons learned from building an e-learning application supporting instructional planning and collaboration. We will also present results from a 10 week pilot study with DPS middle and high school teachers and future plans.

The Ensemble Project: Using Fedora to Support the Development of the Semantic Web for Education
Agustina Martinez Garcia, Patrick Carmichael (University of Cambridge), Louise Corti (University of Essex)

Ensemble: Semantic Technologies to Support the Teaching and Learning of Case Based Learning, a major UK-based project funded under the ESRC/EPSRC Technology Enhanced Learning Programme, was established to explore the potential of Semantic Technologies to support and enhance teaching and learning in fields where knowledge is complex, changing or contested, and where, as a result, case-based learning is the pedagogy of choice. We will describe how the interdisciplinary project has developed its Fedora and Mulgara implementations, illustrated by examples.

Integrating Fedora into DiVA
Uwe Klosa (Uppsala University)

We will provide insight into the process of integrating Fedora into DiVA, including how Fedora fits into the system structure of DiVA, and how its services are employed to connect the various modules. In Fedora, we created a basic content model for digital objects to provide a number of services, such as the dissemination of various metadata formats in XML. A storage client in DiVA, which accesses Fedora via its SOAP interfaces, provides the option to create and update objects. Currently DiVA stores over 200,000 publication objects, around 33,000 of which contain full-text files and other attachments.
DSpace
Room 236

New Use Cases and Best Practices Panel

Designing and Implementing a Learning Object Repository: Issues of Complexity, Granularity, and User Sense-Making
William E. Moen (University of North Texas)

The Texas Center for Digital Knowledge at the University of North Texas is designing and implementing a DSpace/Manakin learning object repository (LOR) for the Texas Higher Education Coordinating Board to store and provide access to redesigned undergraduate courses being created through the Board's Texas Course Redesign Project (TCRP). The content for the THECB LOR differs in significant ways from content stored in other well-known and evolving LORs, since the content is in the form of complete or partial courses. A number of challenges and issues have emerged in the design, development, and implementation of the LOR. We focus on three key aspects and the solutions we are pursuing: 1) complexity of the course content and granularity; 2) submission of complex objects and metadata; and 3) user interface design.

Using DSpace as a Disciplinary Data Repository
Ryan Scherle (Duke University)

Dryad is a disciplinary repository for datasets underlying published works in biology. Dryad allows investigators to validate published findings, explore new analysis methodologies, and repurpose data for research questions. Dryad partners with a coalition of scientific societies and journals to encourage deposition of data and to facilitate automatic metadata collection. The needs of a disciplinary data repository impose constraints not met by off-the-shelf DSpace functionality. Because Dryad must integrate with other repositories and services, we are developing functionality to search harvested content from specialized repositories, to link between Dryad content and external content, and to facilitate submission of Dryad content to specialized repositories. This presentation details the differences between the needs of Dryad and a general institutional repository, and describes the modifications made to DSpace to accommodate those differences.

The Sustainability, Preservation and Accessibility of Internal and External Communities by Universities
Jeffrey A Trimble, Salvador Barragan (Youngstown State University)

This paper will provide three different cases or examples of how a mid-size University is able to implement DSpace across diverse groups of users. Additionally, one of the cases will show how the DSpace software has been ‘repurposed’ to serve as the university library’s Electronic Reserve and how it has been linked the library’s ILS. The paper will show how the University has obtained a consistent level of sustainability, preservation, and accessibility to using DSpace with limited resources.

DSpace Extensions

Introducing Vireo: an ETD Submittal and Management System for DSpace
Adam Mikeal (Texas A&M University Libraries), Scott Phillips (Texas A&M University Libraries), John Leggett (Texas A&M University Libraries), Mark McFarland (The University of Texas Libraries)

The Texas Digital Library (TDL) is a consortium of public and private institutions from across the state of Texas; a major project in TDL is the development of a state-wide repository for managing the entire life-cycle of electronic theses and dissertations (ETDs). The Texas ETD Repository is a large effort that spans multiple independent initiatives, all of which interact to support the overall task of managing ETDs in Texas. This presentation will describe Vireo, the customized submission and workflow management application that TDL developed for DSpace, and its role within the Texas ETD Repository. We will describe its current implementation as a Manakin aspect and theme, and discuss the future plans for the application, including its release to the repository community under an open source license.
Research assessment has become a major business activity for the UK academic community. A number of UK universities deployed repositories to provide evidence of research quality for the RAE 2008. The experience of these institutions shows that engagement with research assessment agendas gives a higher profile to the repository and the repository staff, and tends to make the repository more embedded in key institutional processes. CERIF is a European Union Recommendation to Member States for the purposes of exchange of R & D Information between CRIS (Current Research Information Systems) systems in order to meet the diverse needs of researchers, administrators, strategists, and policymakers. CERIF has the potential to handle much of the information that is likely to be relevant to the research management and research assessment processes. This presentation will describe the approach of the JISC R4R project, whose aim is to integrate library-led Institutional Repositories and admin-led Current Research Information Systems.

Library and Information Science Open Access: a review of the last six years in an international multilingual environment

Imma Subirats (Food and Agriculture Organization of the United Nations), Antonella De Robbio (University of Padua), Zeno Tajoli (CILEA Interuniversity Consortium)

E-LIS (http://eprints.rclis.org) is an international Open Archive for Library and Information Science (LIS) established in 2003. E-LIS has grown to include a team of volunteer editors from 60 countries and support for 22 languages. It accepts published or unpublished documents in scientific or technical areas; authors can self-archive and a proxy service supports depositors. Searching or browsing E-LIS is a multilingual, multicultural experience, an example of what could be accomplished through open access archives to bring the people of the world together.

In the presentation we will expose a number of topics, including characteristics of the E-LIS platform; specific customizations; dealing with multilingualism and different scripts; managing an editorial team with more than 60 people; migration from Eprints 2 to Eprints 3; interaction ways with end users; and future.

The KeepIt Project - Kultur, eCrystals, EdShare (and NECTAR) - Preserve It!

David Tarrant, Steve Hitchcock (University of Southampton)

KeepIt! A JISC project to enable a diverse range of digital content presented by institutional repositories - research papers, science data, arts, teaching materials and theses - to be managed effectively today, tomorrow and beyond. KeepIt is looking at bridging the gap between the preservation community and people responsible for live repositories. The project is focused in two key areas; training about digital preservation and the relation to the repository community and the actual development and implementation of preservation tools in live repositories. In this talk we present an outline of the project, key areas of focus and an overview of some of the tools already available which can be utilised to enable digital preservation in an EPrints repository. We also take a look at the partner repositories which show the diversity of the project in preserving more than just simple text based publications.

RKBExplorer: Repositories, Linked Data and Research Support

Hugh Glaser, Ian Millard, Les Carr (University of Southampton)

RKBExplorer is a system for publishing Linked Data to Semantic Web standards, also providing a browser that allows users to explore this interlinked Web of Data, primarily in the domain of scientific endeavour. As part of the activity, we have harvested the metadata from a number of the larger ePrints repositories, and republished it as Linked Data. This allows the RKBExplorer browser to present a unified view of these repositories and related data from other sources such as dblp and dbpedia (a Semantic Web version of Wikipedia). Users can thus investigate concepts related to the ePrints people and articles, such as related people, projects and institutions.
**Fedora – Scholarly and Research Workbench/Platform**  
Room 235

**Islandora: a Drupal/Fedora Repository System**  
*Mark A Leggott (University of PEI)*

Islandora is an open source Drupal 6/Fedora 3 module produced by the University of Prince Edward Island Library. Islandora provides a flexible collaborative environment for the stewardship of digital resources. The Islandora 1.0 release includes content models and sample collections in all three major areas of the academic enterprise: administration, research, and learning. The session will provide a detailed overview of the Islandora architecture, functionality, the growing community of collaborators as well as examples of production systems in all three major use areas.

**eSciDoc Infrastructure: a Fedora-based e-Research Framework**  
*Frank Schwichtenberg, Matthias Razum (FIZ Karlsruhe)*

While Digital Repositories started with a library perspective, mainly focusing on publications, they are now becoming a commodity tool for the workaday life of researchers. Fedora’s approach of providing a repository architecture rather than an end-user tool accommodates this evolution well. eSciDoc (open-source e-Research environment jointly created by the German Max Planck Society and FIZ Karlsruhe) emphasizes this design pattern by separating backend services (eSciDoc Infrastructure) and front-end applications (eSciDoc Solutions). This presentation will focus on the eSciDoc Infrastructure.

**Project Hydra: Designing & Building a Reusable Framework for Multipurpose, Multifunction, Multi-institutional Repository-Powered Solutions**  
*Chris Awre (University of Hull), Tom Cramer (Stanford University), Richard Green (University of Hull), Lynn McRae (Stanford University), Bess Sadler (University of Virginia), Tim Sigmon (University of Virginia), Thornton Staples (Fedora Commons), Ross Wayland (University of Virginia)*

“Project Hydra” is a three-year effort to create an application and middleware framework that, in combination with an underlying Fedora repository, will create a reusable environment for running multifunction, multipurpose repository-powered solutions. This paper details the collaborators’ functional and technical design for such a framework, and will demonstrate the progress made to date on the initiative.

**Fedora – SOA and XACML**  
Room 233

**A Statewide Community of Trust: A RUcore Implementation Using Shibboleth and XACML**  
*Ron Jantz (Rutgers University Libraries)*

RUcore is Rutgers University’s Fedora-based institutional repository. This framework is used extensively to support grant funded projects, such as NJVid, an IMLS grant-funded development that will provide services to New Jersey institutions for accessing both publicly available and licensed videos. This project has required significant enhancements to RUcore in the areas of storage architecture, networking, authentication/authorization, and services. Partners: Rutgers’ Office of IT, University Libraries, and New Jersey Institute of Technology.

**RODA - A Service-oriented Repository to Preserve Authentic Digital Objects**  
*Miguel Ferreira (University of Minho), José Carlos Ramalho (University of Minho), Rui Castro (National Archives), Luís Fana (National Archives), Francisco Barbado (National Archives), Cecília Henriques (National Archives), Luís Corujo (National Archives)*

In 2006, the Portuguese National Archives launched RODA (Repository of Authentic Digital Objects) to identify and bring together the necessary technology, human resources and political support to carry out long-term preservation of digital materials produced by the Portuguese public administration. Part of the original goals of RODA was the development of a digital repository capable of ingesting, managing and providing access to the various types of digital objects produced by national public institutions.

**FESL: Fedora Enhanced Security Layer (A Community-based Project)**  
*Eddie Shin (Media Shelf, Fedora Commons)*

There have been many requests from the Fedora user community for a wider range of authentication methods and better management and enforcement of XACML authorization policies. The FESL project was initiated to re-factor and improve the Fedora security architecture. The FESL team will incorporate Muradora’s authentication and authorization modules into Fedora. The FESL project team will re-factor the current security implementation of the core Fedora service into a more modular architecture based on Java Authentication and Authorization Service (JAAS). They will also work towards providing a uniform “vocabulary” for typical authorization use cases.
Poster Sessions
Wednesday 5/20
5:15 – 8:00 PM
Georgia Tech Global Learning Center and Georgia Tech Hotel Grand Ballroom

Minute Madness
5:15 – 6:15 PM
Georgia Tech Global Learning Center

Poster Reception
6:30 – 8:00 PM
GT Hotel Grand Ballroom

A prize for best poster will be awarded based on the number of votes made by conference participants. Please remember to cast your vote at the voting station in the GT Hotel Grand Ballroom.
DSpace – Customizations and Integrations
Room 236
EIAH’s experience in localization and customization of Dspace
Saeed Moaddeli (Encyclopedia of Iranian Architectural History), Emad Khazaee (Encyclopedia of Iranian Architectural History), Hamed Malek (Farsiweb Sharif Inc.)

The Encyclopedia of Iranian Architectural History was established to increase the accessibility of the widespread resources related to Iranian architectural history and to provide a space for collaboration. The main changes made to Dspace were implementing the Persian calendar, correcting the representation of Persian numerals, and changing the JSPUI for a correct view of right-to-left text. We will also discuss our development plan for Dspace.

Depth Customization of DSpace: Best Practices and Techniques of Institutional Repository at IIT Kanpur, India
S.K. Vijaianand, V.D. Shrivastava, Gaurav Shukla (Indian Institute of Technology Kanpur)

Indian Institute of Technology has intensively planned and designed a full-fledged IR project. The default features offered by DSpace are not adequate for our academic community. We have incorporated significant features like workflow, additional browse and search options, cross-collection search, crosslinking, and count of items in respect of supervisor/subject/citation. Additionally, user-based restrictions are provided.

Digital Repositories and the Semantic Web: Semantic Search and Navigation for DSpace
Dimitrios Koutsomitropoulos

Resources in digital repositories are often described against a metadata schema, popularly Dublin Core. Such an approach cannot capture richer semantic relations. We suggest a method to semantically intensify the underlying data model and develop a translation of the flatly organized metadata to this new ontology. We propose an implementation that provides inference-based knowledge discovery and retrieval.

Unicorn: The myth of federated search realized simply. Unifying DSpace repositories with the PKP Harvester tool
Keith Gilbertson, John Davison (OhioLINK)

Federated searching was implemented in a short timeframe at OhioLINK using the PKP Harvester software. We will highlight local customizations that were made to PKP Harvester and DSpace. Issues encountered and choices made during the configuration, implementation, and deployment of the server will be presented. Operational and maintenance concerns of this system will be discussed, and future ideas will be explored.

EPrints – Desktop, Web & Cloud Integration Workshop
Room 222
Desktop, Web & Cloud Integration Workshop, Pt. 1
Adam Field, David Tarrant (University of Southampton)

In this session you will have the opportunity to manage an EPrints 3.2 repository and integrate it with your own desktop machine and cloud storage.

This session will cover:

- An introduction to building and managing a hybrid storage solution for your repository
- A demonstration of integration with Amazon S3/Cloudfront and local disk storage
- Practical exercises to connect EPrints with storage service(s) and migrating between them
- Hands on with Office 2007 and how to upload documents directly into EPrints
- Hands on with WebDAV and connecting your desktop machine to your EPrints repository, looking at streamlining the uploading of documents using standard OS desktop tools
**Disseminating Broadcast Archives: Exposing WGBH Materials for Scholarly Use**  
*Courtney Michael, Chris Beer (WGBH Educational Foundation)*

The WGBH Media Library and Archives is prototyping an online archive of moving image content to serve scholars in their efforts to incorporate media into their research and communications. Our prototype is a Fedora-backed archive incorporating search, browse, data visualization, and web services, along with annotation, citation and other workflow tools. We will present the open source infrastructure, challenges regarding the representation of archival moving image collections online, and the technical challenges involving storage & delivery of long form video content. Funded by The Andrew W. Mellon Foundation.

**Agile Fedora: AJAX, Low-cost Clustering, and Dynamic Metadata Forms for a Multicultural Website Project**  
*David Paul Descheneau (University of Alberta)*

The Canadian Centre for Ethnomusicology at the University of Alberta has developed new Fedora management applications and a Fedora powered public Website for the Canadian Culture Online fund. The South Asian Music in Canada project developed a four terabyte project repository, including culturally and linguistically diverse materials in video, audio, image and text digitized from University archives and community partners. An AJAX-powered repository management Web application, a cluster-computing media processing engine, and dynamic forms technologies support the repository and will be demonstrated.

**PhotoCat: Implementing a Cataloging Tool for a Live Fedora Repository**  
*Muzaffer Ozakca, Jon W. Dunn (Indiana University)*

We will discuss the development process of a metadata cataloging application called PhotoCat (Photo Cataloging Application) created by the Indiana University Digital Library Program to allow catalogers and archivists to easily enter and manage item-level MODS descriptive metadata for image collections in IU’s Fedora repository. PhotoCat, in addition to search, browse and user management capabilities, provides a customizable interface and metadata model. We will talk about how our implementation is different from similar systems and the unique requirements that led to our current implementation. We also discuss challenges we faced.

**Enhanced Content Models for Fedora**  
*Asger Blekinge-Rasmussen (State and University Library)*

This presentation introduces Enhanced Content Models for Fedora. In comparison to Fedora 3.0 content models, Enhanced Content Models have a number of new features: 1) a more elaborate specification of the data objects; 2) the repository view system, which allows the repository to dynamically remap the contained data to virtual data objects; and 3) the object creation templates, which allow the content models to behave as object classes from which new data object instances can be made. We have implemented a validator, which checks data objects against their Content Models, and have developed a webservice that can create new objects in Fedora, given a content model and a template to use as basis. All our work is under the Apache 2.0 License, and will be available as add-ons to Fedora.

**Beyond the Tutorial: Complex Content Models in Fedora 3**  
*Peter Gorman, Scott Prater (University of Wisconsin Digital Collections Center)*

The University of Wisconsin Digital Collections Center recently began a pilot project to create a digital collection of learning objects stored in a Fedora 3.1 repository. This pilot project is the proof-of-concept of many ideas and discussions, extending over five years, concerning the problem of storing, searching, and retrieving heterogeneous objects and object types, linked together in complex relations, in a way that is loosely coupled with front-end user display applications. We will describe the issues we’ve confronted implementing increasingly rich digital collections over the past decade (including some real-life examples of complex digital objects), models we have developed with to resolve many of those issues, and how we have started implementing those models in Fedora 3.1, using the new Content Model functionality.

**Fedora Content Modeling for Improved Services for Research Databases**  
*Gert Schmeltz Pedersen (Technical University of Denmark)*

A re-implementation of the research database of the Technical University of Denmark, DTU, is based on Fedora. The backbone consists of content models for primary and secondary entities and their relationships, giving flexible and powerful extraction capabilities for interoperability and reporting. By adopting such an abstract data model, the platform enables new and improved services for researchers, librarians and administrators.
**DSpace – Workshop & Wrap Up**
Room 236

**Making DSpace 1.5 Your Own: Customization Tips & Tricks**
*Tim Donohue (University of Illinois)*

DSpace 1.5 represents a big step towards the future of DSpace software. Get a better understanding of the new DSpace 1.5 architecture, features and customization options! Learn how to customize DSpace 1.5 by taking advantage of the Configurable Submission system, the Configurable Browse system, Manakin (XMLUI), Maven and many other new features. This talk will concentrate on what is newly available in DSpace 1.5, and how DSpace 1.5 can be customized in a more “modular” fashion. The majority of the talk will concentrate on how you can customize DSpace in this new architecture (Maven + Manakin, especially). Examples of both minor and major customizations will be presented, based on upgrade experience in migrating a highly-customized version of DSpace 1.4.2 to DSpace 1.5 and Manakin.

**DSpace Global Outreach Committee Update**
*Valorie Hollister (DSpace Foundation)*

One of the biggest challenges with a world-wide, open source community of over 500 DSpace users from diverse organizations is finding ways to connect with the people that would be helpful or interesting to talk with - either to ask questions, share experiences or partner on projects of mutual interest. With the support and coordination of the DSpace Foundation, the DSpace Global Outreach Committee (DGOC) has several projects aimed at helping members of the community find each other more easily. We will discuss the recent projects of the DGOC and how members of the community can benefit and get involved.

**EPrints – Desktop, Web & Cloud Integration**
Workshop
Room 222

**Desktop, Web & Cloud Integration Workshop, continued**
*Adam Field, David Tarrant (University of Southampton)*

In this session you will have the opportunity to manage an EPrints 3.2 repository and integrate it with your own desktop machine and cloud storage.

This session will cover:

- An introduction to building and managing a hybrid storage solution for your repository
- A demonstration of integration with Amazon S3/Cloudfront and local disk storage
- Practical exercises to connect EPrints with storage service(s) and migrating between them
- Hands on with Office 2007 and how to upload documents directly into EPrints
- Hands on with WebDAV and connecting your desktop machine to your EPrints repository, looking at streamline the uploading of documents using standard OS desktop tools
Fedora – Fortifying the Infrastructure
Room 235
A Closer Look at Fedora’s Ingest Performance
Kai Strnad, Matthias Razum (FIZ Karlsruhe)

It is of paramount importance for large-scale applications that Fedora can handle huge amounts of data efficiently. While Fedora is generally known to be stable and reliable, there appears to be a lack of data and experience regarding large-scale installations and the performance implications thereof. FIZ Karlsruhe is currently working on several projects with large-scale Fedora repositories holding several million complex objects. We conducted extensive performance and scalability tests with the current Fedora software (mostly version 3.0), focusing on ingest operations. Our goal was to prove that Fedora actually scales well enough for our use cases. Our test runs provided us with data which helped us identifying limits and constraints, and devising some optimization recommendations.

Fedora and GSearch in a Research Project about Integrated Search
Gert Schmeltz Pedersen (Technical University of Denmark)

The Royal School of Library and Information Science in Denmark is performing a research project about integrated search. DTU Library provides assistance in the form of a Fedora and GSearch installation. The presentation will focus on the technical challenges involved in the setup and indexing of the various sources, facilitating the integrated search.

Case Studies in Repository Workflows: Three Approaches
Tom Cramer (Stanford University), Richard Green (University of Hull), Lynn McRae (Stanford University), Tim Sigmon (University of Virginia), Ross Wayland (University of Virginia)

“Lightweight workflow” is both an oxymoron, and a continual aspiration of the many stakeholders in the repository community. As part of the Hydra Project, the University of Hull, University of Virginia and Stanford University are collaboratively developing a reusable application framework that will sit on top of Fedora. Developing support for workflow (defined here as orchestrating multistep processes that may include human interaction) is integral to the project. The partners consciously chose to take three different paths in implementing and integrating workflow into the overall solution. This paper briefly details the three different workflow approaches the collaborators are taking, why they chose them, and the apparent pros and cons of each.

Fedora – Experiences with Fedora 3.0
Room 233
Fedora 3.0 and METS: A Partnership for the Organization, Presentation and Preservation of Digital Objects
Terry Catapano (Columbia University), Patrick Yott (Brown University), Nancy Hoebelheinrich (Stanford University)

Much has been speculated about how Fedora repositories and the METS metadata standard could work together, particularly with the expansion of “content models” within Fedora 3.0. Three different academic institutions will discuss decisions, plans, and issues arising out of the implementation of a “Paged Text” content model that incorporates the use of METS for various purposes related to the management of metadata for this type of digital object during its lifecycle. Areas of discussion will include how METS is or could be used in conjunction with the more generalizable mechanisms built within Fedora to manage the structure of a digital object, the disseminators interacting with a digital object (such as page turners for text), and the workflow associated with different “moments” within the lifecycle of the digital object.

Fedora 3: a smooth migration
Michael Durbin (Indiana University Digital Library Program)

The dramatic changes between the architecture of Fedora 2 and Fedora 3 offer exciting opportunities for improved functionality and organization through the addition of a more formalized content model architecture (CMA). However, these changes may make the migration of existing production repositories seem a daunting task. We will present the case of the 2008 migration of the Indiana University Digital Library Program’s Fedora repository from version 2.2.4 to 3.1. We will discuss the technical and logistical challenges associated with the migration of a repository of nearly half a million objects, and the considerations associated with migrating to the new CMA and use of the “generator” application that is part of Fedora 3’s migration tools.

When Ruby Met Fedora
Matt Zumwalt (Media Shelf)

This session will provide technical, Fedora-specific background to complement the plenary presentation titled “Many Lightweight Views into Complex Repository Content”. We will cover the purpose and features of ActiveFedora, looking at working applications and code samples. We will also discuss topics such as Content Modeling, Search & Indexing, and Security (Authentication + Authorization).
Workshops
Thursday 5/21
1:00 – 6:00 PM
Georgia Tech Global Learning Center (rooms to be determined)

DSpace 1.5 and the Road to 2.0
Michele Kimpton

This workshop will feature three sessions, providing updates on both DSpace 1.5.2 and DSpace 2.0, as well as an interactive panel discussion. The DSpace 1.5.2 presentation will focus on new functionality since 1.5.1, and will provide guidance on the upgrade process. The future of DSpace 1.X releases will be discussed. The DSpace 2.0 presentation will introduce the new services based architecture, and include a walkthrough of the core functionality. The new versions of JSPUI and XMLUI will be introduced. The interactive discussion will feature an open conversation among DSpace users, repository managers, developers, and a panel of DSpace committers. Both practical concerns with current DSpace releases and ideas for future directions will be considered.

Open Archive Storage Architectures for Cloud Computing
Keith Rajeciki

This workshop is intended to present standards implementation and best practices for an open archive architecture for repositories and long term archiving storage for cloud computing. Attendees will discuss the business requirements, standards, and best practices for architecting a repository solution that incorporates cloud computing. This workshop will also address how to ensure your repository solution provides the capability to store, manage, re-use and curate digital materials in a cloud.

SWORD Futures
Adrian Stevenson, Julie Allinson

The workshop will start with “SWORD show and tell” where developers and repository managers demonstrate what they have done with SWORD and why, with time for discussion. This will be followed by a discussion session - three groups:

1) Registering SWORD http headers - recommendations for registering new headers in line with best practice.
2) Passing deposit intentions with SWORD - is this a useful direction for SWORD? What ‘intentions’?
3) Packaging - discussion and recommendations around how we can usefully standardise on metadata and/or packaging formats; to include OAI-ORE.

Tools for Repositories – Microsoft Research & the Scholarly Information Ecosystem
Alex Wade, Pablo Fernicola, Lee Dirks

Microsoft External Research strongly supports the process of research and its role in the innovation ecosystem, including developing and supporting efforts in open access, open tools, open technology, and interoperability. We partner with universities, national libraries, publishers, and governmental organizations to help develop tools and services to evolve the scholarly information lifecycle. These projects demonstrate our ongoing work towards producing next-generation documents that increase productivity and empower authors to increase the discoverability and appropriate re-use of their work. This workshop will provide a deep dive into several freely available and open source tools from Microsoft External Research, and will demonstrate how these can help supplement and enhance current repository offerings.

VITAL Workshop
Heather Myers

This workshop will feature VTLs’ VITAL Repository software. VITAL builds on the Fedora™ repository architecture by providing extensive VTLs developed workflow extensions, management utilities, indexing enhancements, advanced searching capabilities and specialized content displays. Using Fedora™ defined web services, VITAL provides a mechanism for organizations to create tools, enhance the functionality provided by VTLs, or leverage the open source community for future applications.
Posters
Access Flows to a Repository from Other Services
Daisuke Ikeda, Sozo Inoue

Adaptation of DSpace to the Specific Needs of the Agricultural Sciences and Technology Community
Imma Subirats, Andy Bagdanov, ARD Prasad, Johannes Keizer

Building an Institutional Repository in Hard Times
Michael Holt, Fatih Oguz, Debra Davis, Cliff Landis

Building an Open Social Learning Community around a Dspace Repository on Statistics
César P Cárcoles, Julià Minguillón, Brian Lamb

Collaboration between IRALIS and E-LIS: Improving the Visibility of Author’s Names in the Open Access World
Imma Subirats, Fernanda Peset-Mancebo

Connexions: Create Globally, Educate Locally
Joel Thierstein, Jonathan Emmons

Creating and Sharing Fedora Installation Package for Ubuntu
Douglas M. Stanley, Poonam Songar, Cathy S. Lowe, Laura M. Bartolo

Curriculum Customization Service: Results of a Pilot Study and Future Enhancements
John Weatherley, Holly Devaul, Lynne Davis, Tamara Sumner

Customizing DSpace Manakin for Educational Video Collections to Enhance User Experience
Jane Q. Huang, Serhiy Polyakov, Marie Foster, William E. Moen

Digitization of Special Collection at Indian Statistical Institute: An Initiative
Madaiah Krishnamurthy

Don't Miss This! Recent Outputs from JISC's Repositories Work
R. John Robertson, Adrian Stevenson, Mahendra Mahey

Each Greater than the Sum of its Parts: Custom Aggregations of Fedora Digital Objects
Jennifer Whitney, Jason Nugent

Fedora Commons 3.0 Versus DSpace 1.5: Selecting an Enterprise-Grade Repository System for FAO of the United Nations
Imma Subirats, Andy Bagdanov, Steve Katz, Claudia Nicolai

FITS - The File Information Tool Set
Spencer McEwen, Randy Stern

High-Throughput Workflow for Computer-Assisted Human Parsing of Biological Specimen Label Data
Aliasgar Amin, Jane Huang, Zainab Arsiwala, Melody McCotter, Jason Best, William Moen, Amanda Neill

Intute Repository Search Service (www.intute.ac.uk/irs): A Collaborative Project to Showcase UK Research Output through Advanced Discovery and Retrieval Facilities
Sophia Jones

LazySusan: A Flexible, Scalable Digital Repository Ingest System
Alpana Pandey

Linnean Online and SNEEP
Richard Miles Davis

Maximizing Repository Exposure
Bram Luyten
MetaArchiving Diatomscapes and FSU “Flying High” Circus: Aspects of the DCC Curation Lifecycle Model
Plato L Smith

NERC Open Research Archive (NORA)
Stephen Prince

NSDL EduPak: An Open Source Education Repository Solution
Aaron Birkland, Jim Blake, Jonathan Ostwald, John Weatherley

Open Access in the Finnish Universities of Applied Sciences
Anna-Kaisa Sjolund

Opening the Vault: Providing Digital Access to Archival Moving Images
Courtney Michael, Chris Beer

Progress in the Redevelopment of the RoMEO Service
Jane H Smith, Bill Hubbard

Quantitative Study of the Impact of Research Funders’ Open Access Mandates
Peter Millington

Reference Architectures for End-to-End Open Repositories for Varying Storage Capacities, Availability Requirements, etc.
Gail Rruman

ScholarSpace and Scholarly Communication: A Needs Assessment
Beth Tillinghast

Sharing System of Annotation for PDF Papers
Toshihiro Aoyama

Simple Strategies for Broadcasting Repository Resources
Carol Minton Morris, Tim Cornwell

Squire: A Simple and Efficient Ingest Tool for Institutional Repositories That Utilises Fedora Commons
Timothy Philip McCallum

Submission Tool for the DSpace-Based Learning Object Repository
Serhiy Polyakov, William Moen

The Fascinator – Desktop eResearch and Flexible Portals
Peter M Sefton

UPR Digital Repository Instrument of Community of Practice to Support Research
Purisima Centeno

Using VuFind to Find Repository Items
Larry Hansard

VITAL OAI Provider Toolkit
James Lanter

WEKO: A New Repository System as a Function of Content Management System
Kazu Yamaji
List of Authors

Abrams, Stephen
Aizawa, Akiko
Aleksejeves, Sergejs
Allinson, Julie
Arrebola, Miguel
Awre, Chris
Balakireva, Lyudmila
Barbedo, Francisco
Bartolo, Laura
Barragan, Salvador
Bechofer, Sean
Beer, Chris
Bhagat, Jiten
Blackall, Chris
Blake, Michelle
Blekinge-Rasmussen, Asger
Bollen, Johan
Borthwick, Kate
Bosman, Ben
Brody, Tim
Carmichael, Patrick
Carr, Les
Castro, Rui
Catapano, Terry
Cave, Richard
Chen, Robert S.
Chute, Ryan
Corti, Louise
Corujo, Luis
Cramer, Tom
Cruickshank, Don
Cruse, Patricia
Davis, Hugh C.
Davis, Richard M.
Davison, John
De Robbio, Antonella
De Roure, David
Descheneau, David Paul
DiDomencio, Steve
Diggory, Mark R.
Dirks, Lee
Donohue, Tim
Downing, Jim
Downs, Robert R.
Drescher, Stephan
Droogmans, Lieven
Dunn, Jon W.
Durbin, Michael
Faria, Luis
Fernicola, Pablo
Ferreira, Miguel
Field, Adam
Floyd, Randall
Francois, Sebastien
Frumkin, Jeremy
Garcia, Agustina Martinez
Gerber, Anna
Gilbertson, Keith
Glaser, Hugh
Goble, Carole
Gorman, Peter
Green, Richard
Henriques, Cecilia
Herdon, Peter
Hey, Jessie M. N.
Hitchcock, Steve
Hoebelheinrich, Nancy J.
Hollister, Valorie
Horstmann, Wolfram
Howard, Yvonne Margaret
Hunter, Jane
Jacobs, Neil
Jantz, Ron
Johnston, Leslie
Johnston, Wayne
Kelly, Julie Ann
Kimpton, Michele
Klosa, Uwe
Koutsomitropoulos, Dimitrios
Kunda, Sue
Kunze, John
Kurakawa, Kei
Lagoze, Carl
Leggett, John
Leggott, Mark A.
Letnes, Louise
Lowe, Cathy
Lucido, Oliver
Lyte, Vic
Marciano, Richard
Markey, Karen
Maslov, Alexey
McDonald, Robert H.
McFarland, Mark
McLean, Brad
McRae, Lynn
McSweeney, Patrick
Metsger, Elliot
Michael, Courtnay
Michailides, Danius
Mikeal, Adam
Miles-Board, Tim
Millard, David E.
Millard, Ian
Miller, Karen
Moaddeli, Saeed
Moen, William E.
Montanez, Garett
Moore, Reagan W.
Morris, Debra
Namiki, Takao
Newman, David
Ozakca, Muzaffer
Parod, Bill

4th International Open Repositories Conference
Payette, Sandy
Pedersen, Gert Schmeltz
Phillips, Scott
Prater, Scott
Rajasekar, Arcot
Ramalho, José Carlos
Razum, Matthias
Reilly, William
Reznik-Zellen, Rebecca
Rieh, Soo Young
Rodgers, Richard
S. K., Vijaianand
Sadler, Bess
Scherle, Ryan
Schroeder, Wayne
Schwichtenberg, Frank
Sefton, Peter M.
Seffert, Kurt
Shin, Eddie
Shrivastava, V. D.
Shukla, Gaurav
Sigmon, Tim
Songar, Poonam
St. Jean, Beth
Staples, Thornton
Stevens, Bob
Stevenson, Adrian
Stewart, Claire
Strnad, Kai
Subirats, Imma
Sumner, Tamara
Tajoli, Zeno
Takaku, Masao
Takeda, Hideaki
Tandy Robert J.
Tarrant, David
Thomas, Sean
Trelor, Andrew
Trimble, Jeffrey A.
Uman, Russell
Vijaianand, S. K.
Walters, Tyler O.
Wan, Michael
Warner, Simeon
Wayland, Ross
Weatherley, John
White, Su
White, Wendy
Wilbanks, John
Wilper, Chris
Witt, Michael
Yakel, Elizabeth
Yao, Xingxing
Yott, Patrick
Zeckoski, Aaron
Zhu, Bing
Zumwalt, Matthew
SECOND FLOOR
MEETING ROOM FLOOR SPECIFICATIONS