# Conference at a Glance

## Monday, June 7th

<table>
<thead>
<tr>
<th>Time</th>
<th>Conference Event and Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:45-9:00a</td>
<td>Continental Breakfast <em>(Presidio Foyer)</em></td>
</tr>
<tr>
<td>9:00a-12:00n</td>
<td><strong>Tutorials</strong></td>
</tr>
<tr>
<td></td>
<td><em>Note: Coffee and beverages will be served 10:15-10:45a</em></td>
</tr>
<tr>
<td>1</td>
<td>Introduction to Digital Libraries *(half day) <em>(Joshua Tree I)</em></td>
</tr>
<tr>
<td>2A</td>
<td>Thesauri and Ontologies in Digital Libraries, Part I <em>(half day)</em> <em>(Presidio I)</em></td>
</tr>
<tr>
<td>5</td>
<td>Building Digital Library Collections with the Greenstone Librarian Interface <em>(whole day)</em> <em>(Presidio II)</em></td>
</tr>
<tr>
<td>6</td>
<td>Evaluating Digital Libraries <em>(whole day)</em> <em>(Coronado II)</em></td>
</tr>
<tr>
<td>7</td>
<td>Qualitative User Studies: Understanding Users in Action <em>(whole day)</em> <em>(Presidio IV)</em></td>
</tr>
<tr>
<td>12:00n-1:30p</td>
<td>Lunch <em>(Presidio V)</em></td>
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<tr>
<td>1:30-4:30p</td>
<td><strong>Tutorials</strong></td>
</tr>
<tr>
<td></td>
<td><em>Note: Coffee and beverages will be served 2:45-3:15 pm</em></td>
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<tr>
<td>2B</td>
<td>Thesauri and Ontologies in Digital Libraries, Part II <em>(half day)</em> <em>(Joshua Tree I)</em></td>
</tr>
<tr>
<td>3</td>
<td>Data Grids and Workflows <em>(half day)</em> <em>(Joshua Tree I)</em></td>
</tr>
<tr>
<td>4</td>
<td>Introduction to the Flexible Extensible Digital Object Repository Architecture and Its Application to Digital Libraries <em>(half day)</em> <em>(Joshua Tree II)</em></td>
</tr>
<tr>
<td>5</td>
<td>CONTINUES: Building Digital Library Collections with the Greenstone Librarian Interface <em>(whole day)</em> <em>(Presidio II)</em></td>
</tr>
<tr>
<td>6</td>
<td>CONTINUES: Evaluating Digital Libraries <em>(whole day)</em> <em>(Coronado II)</em></td>
</tr>
<tr>
<td>7</td>
<td>CONTINUES: Qualitative User Studies: Understanding Users in Action <em>(whole day)</em> <em>(Presidio IV)</em></td>
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## Tuesday, June 8th

<table>
<thead>
<tr>
<th>Time</th>
<th>Conference Event and Location</th>
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<tbody>
<tr>
<td>7:30-8:45a</td>
<td>Continental Breakfast <em>(Turquoise Foyer)</em></td>
</tr>
<tr>
<td>8:45-10:00a</td>
<td><strong>1A: Welcome:</strong> Hsinchun Chen <em>(Turquoise II, III)</em></td>
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<td>Keynote: Vint Cerf, Senior Vice President of Technology Strategy, MCI</td>
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<tr>
<td>10:00-10:30a</td>
<td>Break <em>(Turquoise Foyer)</em></td>
</tr>
<tr>
<td>10:30a-12:30p</td>
<td><strong>2A: Repository Architectures</strong> <em>(Turquoise I)</em></td>
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<td></td>
<td><strong>2B: Evaluation</strong> <em>(Presidio I, II)</em></td>
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<tr>
<td></td>
<td><strong>2C: Geographic Aspects of Digital Libraries</strong> <em>(Coronado Ballroom)</em></td>
</tr>
<tr>
<td>12:30-2:00p</td>
<td>Lunch <em>(Presidio III, IV, V)</em></td>
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<tr>
<td>2:00-3:00p</td>
<td><strong>3A: Books and Reading</strong> <em>(Turquoise I)</em></td>
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<td><strong>3B: Panel: The Virtual and the Real: Current Research on Museum Audiences</strong> <em>(Presidio I, II)</em></td>
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<td><strong>3C: Automatically Structured and Translated Queries</strong> <em>(Coronado Ballroom)</em></td>
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<tr>
<td>3:00-3:30p</td>
<td>Break <em>(Turquoise Foyer)</em></td>
</tr>
<tr>
<td>3:30-4:30p</td>
<td><strong>4A: Surrogates for Physical Artifacts</strong> <em>(Turquoise I)</em></td>
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<td><strong>4B: Crawling the Web</strong> <em>(Presidio I, II)</em></td>
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<td><strong>4C: Automated Techniques for Managing Collections</strong> <em>(Coronado Ballroom)</em></td>
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<tr>
<td>4:30-6:30p</td>
<td>Poster and demo presenters may set up their presentations <em>(Presidio III, IV, V)</em></td>
</tr>
<tr>
<td>4:30-5:30p</td>
<td>JCDL/TCDL Plenary Session <em>(Joshua Tree I/II)</em></td>
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<tr>
<td>5:30-6:30p</td>
<td><strong>5A: Minute Madness</strong> <em>(Turquoise II, III)</em></td>
</tr>
<tr>
<td>6:30-9:00p</td>
<td><strong>5B: Posters and Demonstrations with Award Presentations</strong> <em>(Presidio III, IV, V)</em></td>
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</tbody>
</table>

Reception will include a cash bar and selection of hors d'oeuvres.
## CONFERENCE AT A GLANCE

### WEDNESDAY, JUNE 9TH

<table>
<thead>
<tr>
<th>Time</th>
<th>Conference Event and Location</th>
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<tbody>
<tr>
<td>7:30-8:45a</td>
<td>Continental Breakfast <em>(Turquoise Foyer)</em></td>
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<tr>
<td>8:45-10:00a</td>
<td><strong>6A:</strong> Keynote: Joel Birnbaum, Senior Technical Adviser, Hewlett-Packard Company <em>(Turquoise II, III)</em></td>
</tr>
<tr>
<td>10:00-10:30a</td>
<td>Break <em>(Turquoise Foyer)</em></td>
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<tr>
<td>10:30a-12:30n</td>
<td><strong>7A:</strong> Educational Aspects of Digital Libraries <em>(Turquoise I)</em></td>
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<td><strong>7B:</strong> Image and Video Digital Libraries <em>(Presidio I, II)</em></td>
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<td><strong>7C:</strong> Collaboration and Group Work <em>(Coronado Ballroom)</em></td>
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<tr>
<td>12:30-2:00p</td>
<td>Lunch <em>(Presidio III, IV, V)</em></td>
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<tr>
<td>2:00-3:30p</td>
<td><strong>8A:</strong> Indexing Music and Chinese Text <em>(Turquoise I)</em></td>
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<td><strong>8B:</strong> Panel: Demonstrating Education Impact: Challenges in the Years Ahead <em>(Presidio I, II)</em></td>
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<td><strong>8C:</strong> Digital Preservation <em>(Coronado Ballroom)</em></td>
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<tr>
<td>3:30-4:00p</td>
<td>Break <em>(Turquoise Foyer)</em></td>
</tr>
<tr>
<td>4:00-5:30p</td>
<td><strong>9A:</strong> Mining and Disambiguating Names <em>(Turquoise I)</em></td>
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<td><strong>9B:</strong> Panel: Library Leaders on Digital Libraries and the Future of the Research Library <em>(Presidio I, II)</em></td>
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<td><strong>9C:</strong> Interacting with Collections <em>(Coronado Ballroom)</em></td>
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<tr>
<td>5:45-</td>
<td><strong>OLD TUCSON STUDIOS TOUR AND BARBEQUE</strong></td>
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<td>Come join the fun at a real barbecue in a uniquely Southwestern location, with music, dancing,</td>
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<td></td>
<td>and good Western food. Buses will begin loading at approximately 5:45 pm from the hotel lobby</td>
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<td>for 6:00-6:15 pm departure. Dinner will be preceded by a cocktail hour; two free drink tickets</td>
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<td></td>
<td>are included with your banquet ticket! Priced at $52 per person. Buses will begin returning to</td>
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<td></td>
<td>the hotel approximately 9:15 pm (depending on participants’ preferences)</td>
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### THURSDAY, JUNE 10TH

<table>
<thead>
<tr>
<th>Time</th>
<th>Conference Event and Location</th>
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</thead>
<tbody>
<tr>
<td>7:30-8:45a</td>
<td>Continental Breakfast <em>(Turquoise Foyer)</em></td>
</tr>
<tr>
<td>9:00-10:00a</td>
<td><strong>10A:</strong> Search and Query Strategies <em>(Turquoise I)</em></td>
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<td></td>
<td><strong>10B:</strong> Supporting Personalization <em>(Presidio I, II)</em></td>
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<td></td>
<td><strong>10C:</strong> Interchange and Interoperability <em>(Presidio III, IV)</em></td>
</tr>
<tr>
<td>10:00-10:30a</td>
<td>Break <em>(Turquoise Foyer)</em></td>
</tr>
<tr>
<td>10:30a-12:30p</td>
<td><strong>11A:</strong> Closing Panel: Digital Libraries Settling the Score: 10 Years Hence and 10 Years Before <em>(Turquoise II, III)</em></td>
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<tr>
<td></td>
<td>Handoff to the JCDL 2005 Organizing Committee</td>
</tr>
<tr>
<td>12:30</td>
<td>Lunch: On your own</td>
</tr>
<tr>
<td>1:15-8:30p</td>
<td><strong>Workshop 1:</strong> ISI-2004: 2nd Symposium on Intelligence and Security Informatics *(Consult the ISI Symposium at a Glance on the following pages or the ISI Program for more information.) <em>(Presidio II)</em> <em>(Note: Continues through Friday evening.)</em></td>
</tr>
<tr>
<td>1:30-4:30p</td>
<td><strong>Workshop 2:</strong> Global Reach and Impact of Digital Libraries *(Presidio V) <em>(Note: Continues through Friday morning.)</em></td>
</tr>
</tbody>
</table>
## CONFERENCE AT A GLANCE

### FRIDAY, JUNE 11TH

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>7:45-9:00a</td>
<td>Continental Breakfast <em>(Presidio Foyer)</em></td>
</tr>
<tr>
<td>8:30a-12:00p</td>
<td><strong>Workshop 1</strong>: ISI-2004 continues</td>
</tr>
<tr>
<td></td>
<td>Coffee break 9:45-10:15 am</td>
</tr>
<tr>
<td>9:00a-12:00n</td>
<td><strong>Workshop 2</strong>: Global Reach and Impact of Digital Libraries concludes <em>(Presidio V)</em></td>
</tr>
<tr>
<td></td>
<td>Coffee break 10:15-10:45 am</td>
</tr>
<tr>
<td>9:00a-12:00n</td>
<td><strong>Workshop 3</strong>: How Can Reusable Design Guidelines Improve the Usefulness of Educational Digital Libraries and Collections? <em>(Joshua Tree I)</em></td>
</tr>
<tr>
<td></td>
<td>Coffee break 10:15-10:45 am</td>
</tr>
<tr>
<td>12:00n-1:30p</td>
<td>Lunch <em>(Turquoise III)</em></td>
</tr>
<tr>
<td>1:30p-8:00p</td>
<td><strong>Workshop 1</strong>: ISI-2004 continues</td>
</tr>
<tr>
<td></td>
<td>Coffee break 3:15-3:45 pm</td>
</tr>
<tr>
<td>1:30p-4:30p</td>
<td><strong>Workshop 4</strong>: Designing for Diverse Audiences <em>(Joshua Tree I)</em></td>
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<td>Coffee break 3:15-3:45 pm</td>
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### ISI SYMPOSIUM AT A GLANCE

### THURSDAY, JUNE 10TH

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>1:15 – 2:45p</td>
<td><strong>Plenary Panel Session</strong> <em>(Presidio II)</em></td>
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<tr>
<td>2:45 – 3:10p</td>
<td>Break <em>(Presidio Foyer and Veranda)</em></td>
</tr>
<tr>
<td>3:10 – 4:25p</td>
<td><strong>Parallel Paper Sessions</strong></td>
</tr>
<tr>
<td></td>
<td>A: Data Management &amp; Mining <em>(Presidio I)</em></td>
</tr>
<tr>
<td></td>
<td>B: Deception Detection <em>(Presidio IV)</em></td>
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<tr>
<td>4:25 – 4:40p</td>
<td>Break <em>(Presidio Foyer and Veranda)</em></td>
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<tr>
<td>4:40 – 6:00p</td>
<td><strong>Parallel Paper Sessions</strong></td>
</tr>
<tr>
<td></td>
<td>A: Data Management &amp; Mining <em>(Presidio I)</em></td>
</tr>
<tr>
<td></td>
<td>B: Deception Detection &amp; Surveillance <em>(Presidio IV)</em></td>
</tr>
<tr>
<td>6:30 – 8:30p</td>
<td><strong>Poster Session and Reception</strong> <em>(Presidio II / III)</em></td>
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<tbody>
<tr>
<td>7:45 – 8:30a</td>
<td>Continental Breakfast <em>(Presidio Foyer)</em></td>
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<tr>
<td>8:30 – 9:45a</td>
<td><strong>Parallel Panel Discussion Sessions</strong></td>
</tr>
<tr>
<td></td>
<td>A: Terrorism Research <em>(Presidio I)</em></td>
</tr>
<tr>
<td></td>
<td>B: Knowledge Discovery &amp; Dissemination <em>(Presidio IV)</em></td>
</tr>
<tr>
<td>9:45 – 10:15a</td>
<td>Break <em>(Presidio Foyer and Veranda)</em></td>
</tr>
<tr>
<td>10:15 – 12:00n</td>
<td><strong>Parallel Paper Sessions</strong></td>
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<tr>
<td></td>
<td>A: Disease Informatics &amp; Terrorism <em>(Presidio I)</em></td>
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<tr>
<td></td>
<td>B: Data Access Control &amp; Trust Management <em>(Presidio IV)</em></td>
</tr>
<tr>
<td>12:00 – 1:30p</td>
<td>Lunch <em>(Turquoise III)</em></td>
</tr>
<tr>
<td>1:30 – 3:15p</td>
<td><strong>Parallel Paper Sessions</strong></td>
</tr>
<tr>
<td></td>
<td>A: Social Network Analysis &amp; Terrorism <em>(Presidio I)</em></td>
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<tr>
<td></td>
<td>B: Information Assurance &amp; Infrastructure Protection <em>(Presidio IV)</em></td>
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<tr>
<td>3:15 – 3:45p</td>
<td>Break <em>(Presidio Foyer and Veranda)</em></td>
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<tr>
<td>3:45 – 5:05p</td>
<td><strong>Parallel Paper Sessions</strong></td>
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<tr>
<td></td>
<td>A: Crime Analysis, Monitoring &amp; Surveillance <em>(Presidio I)</em></td>
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<td></td>
<td>B: Policy Studies &amp; Evaluation <em>(Presidio IV)</em></td>
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<tr>
<td>6:00 – 8:00p</td>
<td>Banquet at Last Territory Steakhouse</td>
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TUTORIALS
Note: Please check with onsite conference staff for up to date information concerning possible tutorial/workshop cancellations.

Tutorial 1: Introduction to Digital Libraries
By Edward Fox
Monday, June 7, 9:00a-12:00n

Abstract: This tutorial broadly explains, covers, and illustrates key aspects of the DL field. It uses the 5S framework (societies, scenarios, spaces, structures, streams—see paper in April 2004 ACM TOIS) to provide an intuitive but formally sound basis for understanding. It provides an overview to the field as used in the Fall 2003 Digital Libraries course taught by the instructor.

Proposer’s Information
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Email: fox@vt.edu
URL: http://fox.cs.vt.edu/

Tutorials 2A and 2B: Thesauri and Ontologies in Digital Libraries
By Dagobert Soergel
Monday, June 7, 9:00a-12n (2A); 1:30-4:30p (2B)

Participants may sign up for Tutorial 2 for the full day, or may choose to sign up for either the morning session (Tutorial 2A) or the afternoon session (Tutorial 2B).

2A: Thesauri and Ontologies in Digital Libraries, Part I: Structure and Use in Knowledge-Based Assistance to Users

Abstract: This introductory tutorial is intended for anyone concerned with subject access to digital libraries. It provides a bridge by presenting methods of subject access as treated in an information studies program for those coming to digital libraries from other fields. It will elucidate through examples the conceptual and vocabulary problems users face when searching digital libraries. It will then show how a well-structured thesaurus/ontology can be used as the knowledge base for an interface that can assist users with search topic clarification (for example, through browsing well-structured hierarchies and guided facet analysis) and with finding good search terms (through query term mapping and query term expansion - synonyms and hierarchic inclusion). It will touch on cross-database and cross-language searching as natural extensions of these functions. The workshop will cover the thesaurus structure needed to support these functions: Concept-term relationships for vocabulary control and synonym expansion, conceptual structure (semantic analysis, facets, and hierarchy) for topic clarification and hierarchic query term expansion). It will introduce a few sample thesauri and some thesaurus-supported digital libraries and Web sites to illustrate these principles.

2B: Thesauri and Ontologies in Digital Libraries, Part II: Design, Evaluation, and Development

Abstract: This tutorial is intended for people who have a basic familiarity with the function and structure of thesauri and ontologies. It will introduce criteria for the design and evaluation of thesauri and ontologies and then deal with methods and tools for their development: locating sources; collecting concepts, terms, and relationships to reuse existing knowledge; developing and refining thesaurus/ontology structure; software and database structure for the development and maintenance of thesauri and ontologies; standards such as RDF and TopicMaps; collaborative development of thesauri and ontologies; developing crosswalks/mappings between thesauri/ontologies. In summing up, the tutorial will address the question of the amount of resources needed to develop and maintain a thesaurus or ontology.

Proposer’s Information:
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Email: dsoergel@umd.edu
URL: www.clis.umd.edu/faculty/soergel/

Tutorial 3: Data Grids and Workflows
By Arun Jagatheesan, Reagan Moore
Monday, June 7, 1:30 p.m. – 4:30 p.m. (half day)

Abstract: The “Grid” is an emerging infrastructure for coordinating access across autonomous organizations to distributed, heterogeneous computation and data resources. Data grids are being built around the world as the next generation data handling systems for sharing, publishing, and preserving data residing on storage systems located in multiple administrative domains. A data grid provides logical namespaces for users, digital entities and storage resources to create persistent identifiers for controlling access, enabling discovery, and managing wide area latencies. Data Grid Technologies could be used to build and manage global digital libraries and archives across multiple administrative domains. The data flow pipelines associated with maintaining digital libraries and archives could be mapped as Data Grid Workflow services.

Proposers' Information:
Arun Jagatheesan arun@sdsc.edu
Reagan Moore moore@sdsc.edu
San Diego Supercomputer Center,
University of California at San Diego
9500 Gilman Drive, MC-0505
La Jolla, CA 92093-0505

Tutorial 4: Introduction to Fedora and Its Applications
By Ronda Grizzle, Ross Wayland, Chris Wilper
Monday, June 7, 1:30 p.m. – 4:30 p.m. (half day)

Abstract: This tutorial is designed to introduce the concepts behind the Fedora digital repository system architecture and to show the architecture’s capabilities via a live demo of the software. The concept of Fedora
content models will be introduced with specific examples shown of how to apply Fedora content models to different types of data. Working content models will be demonstrated.

Proposers' Information:
Ronda Grizzle: rgrizzle@virginia.edu, 434-924-3965
Ross Wayland: rlw@virginia.edu, 434-924-0746
Chris Wilper: cwilper@cs.cornell.edu, 607-254-8623

Tutorial 5: Building Digital Library Collections with the Greenstone Librarian Interface
By Ian H. Witten
Monday, June 7, 9:00 a.m. – 4:30 p.m. (full day)

Abstract: This tutorial is a practical, hands-on, laboratory-style workshop in which attendees build their own digital library collections using the Greenstone digital library software, a comprehensive, open-source system for constructing, presenting, and maintaining information collections. It is a highly compressed version of a 3-day UNESCO-sponsored workshop to promote the development and sharing of digital library collections using Greenstone. The intensive 1-day format is feasible because the UNESCO workshop is aimed at librarians in developing countries who have limited experience of advanced technology, who will promote digital library collection development by conducting similar programs in their countries. Attendees of this tutorial will be given access to a full set of teaching material for the 3-day version of the course that they are encouraged to adapt for local courses back home.

Proposer's Information:
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Fax: (+64 7) 838-4155
Email: ihw@cs.waikato.ac.nz

Tutorial 6: Evaluating Digital Libraries
By Thomas C. Reeves, Susan Buhr, Lecia Barker
Monday, June 7, 9:00 a.m. – 4:30 p.m. (full day)

Abstract: To conduct a comprehensive evaluation of a digital library requires a "triangulation" approach whereby multiple models, procedures, and tools are applied. Conducting valid evaluations of digital libraries in a timely and efficient manner is the focus of this tutorial. Why is evaluation of digital libraries so important? Each year sees the introduction of more and more digital libraries promoted as valuable resources for education and other needs. Yet systematic evaluation of the implementation and efficacy of these digital library systems is often lacking.

This tutorial is specifically designed to establish evaluation as a key strategy throughout the design, development, and implementation of digital libraries at all levels of education. A decision-oriented model to the evaluation of digital libraries will be the focus of the tutorial. Within this model, methods used include: service evaluation, usability evaluation, information retrieval, biometrics evaluation, transaction log analysis survey methods, interviews and focus groups, observations, and experimental methods. Participants will be provided with a range of resources including an online evaluation toolkit.

Proposer's Information:
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Tel: 706/542-3849
Fax: 706/542-4032
Email: treeves@coe.uga.edu
Web: http://it.coe.uga.edu/~treeves
Evaluation Resources: http://www.evaluateitnow.com

Susan M. Buhr, Ph.D
Director, Outreach Program
Cooperative Institute for Research in Environmental Sciences (CIRES)
University of Colorado
Boulder, CO 80309-0216
Tel: (303)492-5657
Fax: (303)492-1149
URL: http://cires.colorado.edu/~k12

Lecia J. Barker, Ph.D.
Director, ATLAS Evaluation & Research
University of Colorado
Stadium 262E; 320 UCB
Boulder, CO 80309-0320
Email: Lecia.Barker@colorado.edu
Tel: 303-735-5578
Fax: 303-735-5621
URL: http://www.colorado.edu/ATLAS/evaluation/about/lecia.html

Tutorial 7: Qualitative User Studies: Understanding Users in Action
By Sara Bly
Monday, June 7, 9:00 a.m. – 4:30 p.m. (full day)

Abstract: This one-day tutorial will provide an introduction and overview of qualitative user studies. The emphasis will be on techniques for understanding the interactions and context of user activity, particularly as they relate to the design of systems and technologies. The intent is to give participants some familiarity and practice with methods and an overall qualitative study process. The session will include presentations of information, case studies as examples, and exercises for participant interaction. Case studies come from past work of the instructor and literature. The exercises will be based on the ACM Digital Library as an existing library in use.

Proposer's Information:
Sara Bly Consulting
24511 NW Moreland Road
North Plains, OR 97133
503-647-1946
Email: sara@bly.net
Tuesday, June 8, 2004

7:30 a.m. – 8:45 a.m. Continental Breakfast
(Turquoise Foyer)

8:45 a.m. – 10:00 a.m. (Turquoise II, III)

Session 1A: Conference opens.
Keynote: Vint Cerf, Senior Vice President of Technology Strategy, MCI.

10:30 a.m. - 12:30 p.m.

Session 2A: Repository Architectures
(Turquoise I)
Session Chair: Michael L. Nelson, Old Dominion University

Architecting an Extensible Digital Repository *
Anoop Kumar, Ranjani Saigal, Robert Chavez, Nikolai Schwertner

The Multi-faceted Use of the OAI-PMH in the LANL Repository *
Henry N. Jerez, Xiaoming Liu, Patrick Hochstenbach, Herbert Van de Sompel

BND: The Architecture of a National Digital Library
José Borbinha, Nuno Freire, João Neves

BDBComp: Building a Digital Library for the Brazilian Computer Science Community
Alberto H. F. Laender, Marcos André Gonçalves, Pablo A. Roberto

Integration of Biomedical Text and Sequence OAI Repositories
Yueyu Fu, Javed Mostafa

Session 2B: Evaluation (Presidio I, II)
Session Chair: Nicholas J. Belkin, Rutgers University

Analytical Usability Evaluation for Digital Libraries: A Case Study *
A. Blandford, S. Keith, I. Connell, H. Edwards

Developing a Digital Learning Environment: An Evaluation of Design and Implementation Processes *

How People Describe Their Image Information Needs: A Grounded Theory Analysis of Visual Arts Queries
Sally Jo Cunningham, David Bainbridge, Masood Masoodian

Improving Video Browsing with an Eye-Tracking Evaluation of Feature-Based Color Bars
Neema Moraveji

Measuring the User’s Experience with Digital Libraries
Elaine Toms, Christine Dufour, Susan Hesemeier

Session 2C: Geographic Aspects of Digital Libraries (Coronado Ballroom)
Session Chair: Ray Larson, University of California, Berkeley

Automatic Organization for Digital Photographs with Geographic Coordinates *
Mor Naaman, Yee Jiun Song, Andreas Paepcke, Hector Garcia-Molina

Digital Trail Libraries *
Scott Morris, Alan Morris, Kobus Barnard

A Query Interface for an Event Gazetteer
Robert B. Allen

Accessing the Alexandria Digital Library from Geographic Information Systems
Dan Ancona, Jim Frew, Greg Janée, Dave Valentine

ETANA-DL: A Digital Library for Integrated Handling of Heterogeneous Archaeological Data
Unni Ravindranathan, Rao Shen, Marcos Andre Goncalves, Wei guo Fan, Edward A. Fox, James W. Flanagan

12:30 p.m. – 2:00 p.m. Lunch (Presidio III, IV, V)

2:00 – 3:00 p.m.

Session 3A: Books and Reading (Turquoise I)
Session Chair: Cathy Marshall, Microsoft Corporation

Realistic Books: A Bizarre Homage to an Obsolete medium?*
Yi-Chun Chu, David Bainbridge, Matt Jones, Ian H. Witten

A Document Corpus Browser for In-Depth Reading *
Eric Bier, Lance Good, Kris Popat, Alan Newberger

Panel 3B: The Virtual and the Real: Current Research on Museum Audiences and Library Users (Presidio I, II)
Panel Moderator: Joyce Ray, Institute of Museum and Library Services
Panelists: Howard Besser, Tisch School of Arts; Liz Bishoff, OCLC, Inc.; Kati Geber, Canadian Heritage Information Network, José-Marie Griffiths, University of Pittsburgh

Session 3C: Automatically Structured and Translated Queries (Coronado Ballroom)
Session Chair: Schubert Foo, Nanyang Technological University
The Effectiveness of Automatically Structured Queries in Digital Libraries *
Marcos Andre Goncalves, Edward A. Fox, Aaron Krowne, Pavel Calado, Alberto H.F. Laender, Altigran S. da Silva, Berthier Ribeiro-Neto

Translating Unknown Cross-Lingual Queries Using a Web-based Approach *
Jenq-Haur Wang, Jei-Wen Teng, Pu-Jen Cheng, Wen-Hsiang Lu, Lee-Feng Chien

3:30 p.m. – 4:30 p.m.

Session 4A: Surrogates for Physical Artifacts (Turquoise I)
Session Chair: Frank Shipman, Texas A&M University

Physically-Based Restoration Using Volumetric Scanning *
W. Brent Seales Yun Lin

The 3D Vase Museum: A New Approach to Context in a Digital Library *
Dr. Horn-yeu Shiaw, Dr. Robert J.K. Jacob, Dr. Gregory R. Crane

Session 4B: Crawling the Web (Presidio I, II)
Session Chair: Herbert Van de Sompel, Los Alamos National Laboratory

Jialun Qin, Yina Zhou, Michael Chau

Panorama: Extending Digital Libraries with Topical Crawlers *
Gautam Pant, Kostas Tsioutsiouliklis, Judy Johnson, C. Lee Giles

Session 4C: Automated Techniques for Managing Collections (Coronado Ballroom)
Session Chair: José Borbinha, National Library of Portugal

Machine Learning for Information Architecture in a Large Governmental Website *
Miles Efron, Jonathan Elsaes, Gary Marchionini, Junliang Zhang

Managing Distributed Collections: Evaluating Web Page Changes, Movement, and Replacement *
Zubin Dalal, Suvendu Dash, Pratik Dave, Luis Francisco-Revilla, Richard Furuta, Unmil Karadkar, Frank Shipman

4:30 p.m. – 5:30 p.m.  JCDL/TCDL Plenary Meeting (Joshua Tree I, II)

4:30 p.m. – 5:30 p.m.  Set up for Poster Session and Demonstrations (Presidio III, IV, V)

5:30 p.m. – 6:30 p.m.

Session 5A: "Minute Madness"

Promotion of all Demonstrations and Posters to be shown next session (Turquoise II, III)

6:30 p.m. – 9:00 p.m.

Session 5B: Poster and Demonstration Session and Opening Reception (Presidio III, IV, V)
The reception will include a cash bar, a selection of hot hors d’oeuvres, a raffle, and the opportunity to vote for Best Poster. Awards for Best Student Paper, Best International Paper, Best Poster, and the Vannevar Bush Award will be announced.

Wednesday, June 9, 2004

7:30 a.m. – 8:45 a.m. Continental Breakfast (Turquoise Foyer)

8:45 a.m. – 10:00 a.m.

Session 6A: Keynote: Joel Birnbaum, Senior Technical Adviser, Hewlett-Packard Company (Turquoise II, III)

10:30 a.m. – 12:30 p.m.

Session 7A: Educational Aspects of Digital Libraries (Turquoise I)
Session Chair: Geneva Henry, Rice University

Digital Libraries and Educational Practice: A Case for New Models *
Tamara Sumner, Mary Marlino

How Geography Professors Select Materials for Classroom Lectures: Implications for the Design of Digital Libraries *
Christine L. Borgman, Gregory Leazer, Anne Gilliland-Sweetland, Kelli Millwood, Leslie Champeny, Jason Finley, Laura J. Smart

Element Matching in Concept Maps
Byron Marshall, Therani Madhusudan

Usability, Learning, and Subjective Experience: User Evaluation of K-MODDL in an Undergraduate Class
Bing Pan, Geri Gay, John Saylor, Helene Hembrooke, David Henderson

Use of MatML with Software Applications for E-learning
Laura M. Bartolo, Cathy S. Lowe, Adam C. Powell IV, Donald R. Sadoway, Jorges Vieyra, Kyle Stemen

Session 7B: Image and Video Digital Libraries (Presidio I, II)
Session Chair: Gary Marchionini, University of North Carolina

Semantic Video Classification and Feature Subset Selection under Context and Concept Uncertainty *
Jianping Fan, Hangzai Luo, Lide Wu
Generating Fuzzy Semantic Metadata Describing Spatial Relations from Images Using the R-Histogram
Yuhang Wang, Fillia Makedon, James Ford, Li Shen, Dina Goldin

Multi-modal Classification in Digital News Libraries
Ming-yu Chen, Alexander Hauptmann

Question Answering On Lecture Videos: A Multifaceted Approach
Jinwei Cao

Video Grammar for Locating Named People
Jun Yang, Alexander Hauptmann

Session 7C: Collaboration and Group Work (Coronado Ballroom)
Session Chair: Ann Blandford, University College London
Sharing Encountered Information: Digital Libraries Get a Social Life
Catherine C. Marshall, Sara Bly

Enhancing Digital Libraries with TechLens+
Roberto Torres, Sean M. McNee, Mara Abel, Joseph A. Konstan, John Riedl

Light-Weight Communal Digital Libraries
K. Maly, M. Nelson, M. Zubair, A. Amrou, S. Kothamasala, L. Wang, Rick Luce

Collaborative Extensions for the UpLib System
William C. Janssen

MetaExtract: An NLP System to Automatically Assign Metadata
Ozgur Yilmazel, Christina M. Finneran, Elizabeth D. Liddy

12:30 a.m. – 2 p.m. Lunch (Presidio III, IV, V)

2 p.m. – 3:30 p.m.

Session 8A: Indexing Music and Chinese Text (Turquoise I)
Session Chair: Bob Allen, University of Maryland
Looking for New, Not Known Music Only: Music Retrieval by Melody Style
Fang-Fei Kuo, Man-Kwan Shan

Discovery of Retrograde and Inverted Themes for Indexing Musical Scores
Xiaona Ren, Lloyd A. Smith, Richard A. Medina

A Tree-Based Method For Fast Melodic Retrieval
Charles Parker

Error Analysis of Chinese Text Segmentation using Statistical Approach
Christopher C. Yang and K. W. Li

Panel 8B: Demonstrating Education Impact: Challenges in the Years Ahead (Presidio I, II)
Panel Moderator: Tamara Sumner, University of Colorado
Panelists:
William Arns, Cornell University; Gary Marchionini, Mary Marlino, Josie Taylor

Session 8C: Digital Preservation (Coronado Ballroom)
Session Chair: Martha Anderson, Library of Congress
Mediating Team Work for Digital Heritage Archiving
Jyi-Shane Liu, Mu-Hsi Tseng, Tse-Kai Huang

A Semi-Automated Digital Preservation System Based on Semantic Web Services
Jane Hunter, Sharmin Choudhury

Preservation Functionality in a Digital Archive
Raymond J. van Diessen, Erik Oltmans, Hilde van Wijngaarden

4 p.m. – 5:30 p.m.

Session 9A: Mining and Disambiguating Names (Turquoise I)
Session Chair: Ian Witten, University of Waikato
Mining Events and New Name Translation from Online Daily News
Wai Lam, Pik-Shan Cheung, Ruizhong Huang

Two Supervised Learning Approaches for Name Disambiguation in Author Citations
Hui Han, C. Lee Giles, Hongyuan Zha

Finding Authoritative People from the Web
Masanori Harada, Shin-ya Sato, Kazuhiro Kazama

Panel 9B: Library Leaders on Digital Libraries and the Future of the Research Library: A Panel Discussion (Presidio I, II)
Panel Moderator: Clifford Lynch, Coalition for Networked Information
Panelists: Sarah Pritchard, Charles Henry, Betsy Humphreys, Brian Schottlaender

Session 9C: Interacting with Collections (Coronado Ballroom)
Session Chair: Dave Fulker, University Corporation for Atmospheric Research
Enhancing Usability in CITIDEL: Multimodal, Multilingual, and Interactive Visualization Interfaces
Saverio Perugini, Kathleen McDevitt, Ryan Richardson, Manuel Perez-Quiñones, Rao Shen, Naren Ramakrishnan, Chris Williams, Edward A. Fox

Lost in Memories: Interacting With Photo Collections on PDAs
Susumu Harada, Mor Naaman, Yee Jiun Song, QianYing Wang, Andreas Paepcke

Collection Understanding
Michelle Chang, John J. Leggett, Richard Furuta, Andruid Kerne J., Patrick Williams, Samuel A. Burns, Randolph G. Bias

6:00 p.m. – 10:00 p.m. Old Tucson Studios Tour and Barbecue
**Dinner and entertainment at Old Tucson Studios**
Purchase tickets separately through Registration. Enjoy an evening reminiscent of the "Old West." Tour a working studio (where they still make movies!) located in the beautiful Tucson Mountains. Your ticket includes two free drinks and round trip transportation from the conference hotel, as well as dinner and the evening’s entertainment!

**Thursday, June 10, 2004**

7:30 a.m. – 8:45 a.m. **Continental Breakfast**
(Turquoise Foyer)

9 a.m. – 10 a.m.

**Session 10A: Search and Query Strategies**
(Turquoise I)
Session Chair: Edie Rasmussen, University of British Columbia

*Combined Searching of Web and OAI Digital Library Resources*
Aaron Krowne, Martin Halbert

*Ontology Acquisition and Semantic Retrieval from Semantic Annotated Chinese Poetry*
Von-Wun Soo, Shih-Yao Yang, Shu-Lei Chen, Yi-Ting Fu

*Web Question Answering Through Automatically Learned Patterns*
Dmitri Roussinov, Jose Robles

**Session 10B: Supporting Personalization**
(Presidio I, II)
Session Chair: John Leggett, Texas A&M University

*Exploring the Relationship between Personal and Public Annotations*
Catherine C. Marshall and A.J. Bernheim Brush

*Supporting Personal Collections across Digital Libraries in Spatial Hypertext*
Frank M. Shipman III, Haowei Hsieh, J. Michael Moore, Anna Zacchi

**Session 10C: Interchange and Interoperability**
(Presidio III, IV)
Session Chair: William Arms, Cornell University

*Toward Information Retrieval Web Services for Digital Libraries*
Yueyu Fu, Javed Mostafa

*Enabling Interoperability For Autonomous Digital Libraries: An API To CiteSeer Services*
Yves Petinot

10:30 a.m. – 12:30 p.m.

**Panel 11A and Hand-Off to JCDL 2005:**
"Digital Libraries Settling the Score: 10 Years Hence and 10 Before" (Turquoise II, III)
Panel Moderator: Ed Fox, Virginia Tech

12:30 p.m. **Lunch – on your own**
WORKSHOPS
Note: Please check with onsite conference staff for up to date information concerning possible tutorial/workshop cancellations.

Workshop 1
The Second Symposium on Intelligence and Security Informatics
Thursday Afternoon through Friday Evening

Organizers:
Hsinchun Chen (University of Arizona)
Reagan Moore (San Diego Super Computer Center, UCSD)
Daniel Zeng (University of Arizona)
John John Leavitt (Tucson Police Department)

Workshop Web Page:
http://www.ecom.arizona.edu/ISI/

Workshop 2
Global Reach and Impact of Digital Libraries Workshop
Thursday Afternoon through Friday Morning

Organizers:
Edward A. Fox (Virginia Tech)
Ching-chih Chen (Simmons University)

Workshop Web Page:
http://fox.cs.vt.edu/global

Workshop 3
How Can Reusable Design Guidelines Improve the Usefulness of Educational Digital Libraries and Collections?
Friday Morning

Organizers:
Robby Robson (NSDL Reusable Learning Project)
Brandon Muramatsu (NSDL Reusable Learning Project)

Workshop Web Page:
http://www.reusablelearning.org/nsdl/

CANCELLED
Workshop 4
Designing for Diverse Audiences
Friday Afternoon

Organizers:
Katherine Hanson (Education Development Center, Inc.)
Sarita Nair (Education Development Center, Inc.)
Sharon Reidy (Education Development Center, Inc.)
Bethany Carlson (Education Development Center, Inc.)

Workshop Web Page:
http://www2.edc.org/GDI/JCDL2004.htm
SPECIAL EVENTS AND INFORMATION

OPENING RECEPTION & AWARDS PRESENTATION
Poster and Demonstration Session
Tuesday, June 8
6:30 – 9:00p
Presidio III, IV, V

JCDL 2004 BANQUET
Wednesday, June 9
Buses begin loading about 5:45p and depart
approximately 6:00p from front of hotel
Old Tucson Studios (Located west of Tucson)

ISI 2004 BANQUET
Friday, June 10
6:00 – 8:00p
Last Territory Steakhouse

REGISTRATION
Sunday, June 6
4:00p – 7:00p – Agave Room

Email Room
Sunday, June 6
4:00p – 7:00p – Agave Room

MEALS AND BREAKS

Breakfast
Monday, June 7:  7:45 – 9:00a (Presidio Foyer)
Tuesday-Thursday, June 8, 9, 10:  7:30 – 8:45a
(Turquoise Foyer)
Friday, June 11:  7:45 – 9:00a (Presidio Foyer)

Morning Breaks
Coffee, tea and other beverages will be served
Monday, June 7:  10:15 – 10:45a (Presidio Foyer)
Tuesday, June 8:  10:00 – 10:30a (Turquoise Foyer)
Wednesday, June 9:  10:00 – 10:30a (Turquoise Foyer)
Friday, June 11, Workshop 1: 9:45-10:15a; Workshops 2-3:  10:15 – 10:45a (Presidio Foyer)

Lunch
Note: No Thursday lunch
Monday, June 7:  12:00m – 1:30p (Presidio V)
Tuesday, June 8:  12:30 – 2:00p (Presidio III, IV, V)
Wednesday, June 9:  12:30pm – 2:00p (Presidio III, IV, V)
Friday, June 11:  12:00m – 1:30p (Turquoise III)

Afternoon Breaks:
Coffee, tea and other beverages will be served
Monday, June 7:  2:45 – 3:15p (Presidio Foyer)
Tuesday, June 8:  3:00 – 3:30p (Turquoise Foyer)
Wednesday, June 9:  3:30 – 4:00p (Turquoise Foyer)
Friday, June 11:  3:15 – 3:45p (Presidio Foyer)

Information and Assistance
Monday, June 7 – Thursday, June 10
7:00a – 7:00p – Presidio Desk
Friday, June 11
7:00a – 6:00p – Presidio Desk

Business Office
The hotel offers business services from its Business
Center, located near the Turquoise Ballroom.

Press Room for ISI-2004
Thursday-Friday – Palo Verde I

Staff and Student Volunteer Rooms
Monday-Friday – Mesquite Room (Office)
Monday-Friday – An executive suite will also be
available for conference staff and volunteers in need
of a break.
<table>
<thead>
<tr>
<th>Date</th>
<th>Meeting Name</th>
<th>Contact</th>
<th>Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>Monday, June 7</td>
<td>NSDL Educational Impact and Evaluation Comm.</td>
<td>Casey Jones and Donna Cummings</td>
<td>5:00-7:00p</td>
<td>Palo Verde II</td>
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<tr>
<td>Tuesday, June 8</td>
<td>TCDL Executive Committee</td>
<td>Ed Fox</td>
<td>7:00-8:30a</td>
<td>Palo Verde II</td>
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<td></td>
<td>NKOS: Networked Knowledge Organization System/Services</td>
<td>Linda Hill</td>
<td>12:30-2:00p</td>
<td>Palo Verde I</td>
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<td></td>
<td>NSDL Technical Committee</td>
<td>Ed Fox</td>
<td>12:30-2:00p</td>
<td>Palo Verde II</td>
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<td></td>
<td>Editors in Chief of the Journal of Digital Libraries</td>
<td>Ingo Frommholz</td>
<td>12:30-2:00p</td>
<td>Joshua I</td>
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<td></td>
<td>SCALE: Services for a Customizable Authoring Linking Environment Project.</td>
<td>Teal Anderson</td>
<td>2:00-3:00p</td>
<td>Palo Verde II</td>
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<td></td>
<td>Focus group.</td>
<td>Richard Furuta</td>
<td>4:30-5:30p</td>
<td>Joshua I, II</td>
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<td></td>
<td>JCDL/TCDL Plenary</td>
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<tr>
<td>Wednesday, June 9</td>
<td>Editorial Board of the Journal of Digital Libraries</td>
<td>Ingo Frommholz</td>
<td>7:45-9:15a</td>
<td>Palo Verde II</td>
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<td></td>
<td>JCDL Steering Committee</td>
<td>Richard Furuta</td>
<td>12:30-2:00p</td>
<td>Palo Verde I</td>
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<tr>
<td>Thursday, June 10</td>
<td>JCDL 2004 and 2005 Meeting</td>
<td>Holly Devaul</td>
<td>7:15-8:30a</td>
<td>Palo Verde II</td>
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<td>Special Symposium on the International Music Information Retrieval Systems</td>
<td>J. Stephen Downie</td>
<td>1:00-5:00p</td>
<td>Palo Verde II</td>
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<td>Evaluation Laboratory</td>
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Check with conference staff at the Information Desk for updates and changes to meetings.