



Registration

Schedule

KM Summit

Seminars

Hotel

Travel

Things to do

Saturday

Sunday

Monday

Tuesday

Wednesday

Thursday

## Tuesday, November 19, 2002

### 8:30am - 10:00am

#### InterPARES2: Experiential, Interactive, and Dynamic Records

The International Research on Permanent Authentic Records in Electronic Systems (InterPARES 2) project is a multidisciplinary, international research initiative aimed at developing a theoretical understanding of records generated by interactive, dynamic and experiential systems. Building on InterPARES 1, the findings of which were featured at the ASIST 2000 Annual Meeting, the project will focus on systems from their creation to their present and potential use in the scientific, government and artistic communities.

#### Presenters

**Anne GillilandSwetland**, University of California, Los Angeles

**Richard Marciano**, University of California, San Diego

**Ken Thibodeau**, National Archives and Records Administration.

**Eun G. Park**, University of California, Los Angeles

**Moderator: Michèle V. Cloonan**, University of California, Los Angeles

---

#### The Structure of Medical Informatics (SIG/MED)

As practitioners of medical informatics continue their attempts to agree on a description of their field, a proposed consensus definition is now on the table: "Medical informatics is the application of information science and information technology to the theoretical and practical problems of biomedical research, clinical practice and medical education."

#### You will learn about:

- The nature and structure of medical informatics
- Its research questions and interests
- The relationship of medical informatics to other disciplines
- How and where the field borrows and lends concepts and theories from and to other fields
- Educational requirements faced by medical informatics researchers, practitioners and knowledge workers

#### Presenters

**Milton Korn, MD**, National Library of Medicine

**Pat Molholt**, Columbia University

**Bonnie Kaplan**, Yale University

**Ellen Marks**, Wayne State University

**Moderator: Theodore Allan Morris**, Kent State University

---

### **Digital Divide II: Global vs. Local Content (SIG/III)**

We are rapidly constructing a global network infrastructure for moving information across national boundaries, but much remains to be done before linguistic and/or cultural barriers can be overcome as effectively as geographic ones.

#### **You will learn about:**

- Cross-lingual Web searching techniques
- Cross-language information management in multinational organizations
- Multilingual metadata schema registry
- Adapting CORC and Dublin Core to the Chinese environment

#### **Presenters**

**Hong Xu**, University of Pittsburgh

**Peter Armstrong**, Oneworld Online

**Basheerhamad Shadrach**, Transparency International

**Wendy Sealy**, Caribbean Development Bank

**Mary Stansbury**, Kent State University

**Moderator: Hong Xu**, University of Pittsburgh

---

### **Access to Large Spoken Archives: Uses and Technology (SIG/VIS)**

Digital archiving is emerging as an important and practical method for capturing the human experience. Finally, large amounts of audio and/or video materials in which speech is an important component are becoming available. While these resources have tremendous potential for enriching the presentation of information in education, the media and business, retrieval from and access to these large repositories pose significant challenges.

#### **You will learn about:**

- Uses of these materials for education, information retrieval and dissemination, and research
- Requirements that arise from these uses
- Speech recognition and retrieval technologies being developed to meet these requirements

#### **Presenters**

**Dagobert Soergel**, University of Maryland

**Samuel Gustman**, Survivors of the Shoah Visual History Foundation

**Mark Kornbluh**, Michigan State University and The National Gallery of the Spoken Word (NGSW)

**Bhuvana Ramabhadran**, Human Language Technologies Group, IBM T.J. Watson Research Laboratory

**Discussant: Jerry Goldman**, Political Science Department, Northwestern University

---

### **Search Strategies (Contributed Papers)**

- Separating the Knowledge Layers: Cognitive Analysis of Search Knowledge Through Hierarchical Goal Decompositions. **Suresh K. Bhavnani**, University of Michigan, and **Marcia J. Bates**, University of California at Los Angeles
- An Examination of Natural Language as a Query Formation Tool for Retrieving Information on E-health from Pub Med. (Preliminary Results). **Gabriel M. Peterson**, **Kuichun Su**, **James Ries** and **ME Sievert**, University of Missouri at Columbia

- Probing the Process of Information Source Selection Using Palm Pilots: A Pilot Study. **Wonsik Shim** , Florida State University

---

### Information Use (Contributed Papers)

- A Question of Quality: The Effect of Source Quality on Information Seeking by Women in IT Professions. **Christine Marton**, University of British Columbia, and **Chun Wei Choo**, University of Toronto
- Attorneys Interacting with Legal Information Systems: Tools for Mental Model Building and Task Integration. **Anita Komlodi**, University of Maryland Baltimore County, and **Dagobert Soergel** , University of Maryland, College Park
- Information Gathering: The Information Behaviors of Line Managers within a Business Environment. **Maureen L. Mackenzie**, Dowling College

## 10:30am - 12noon

### The Architecture of Content Reuse

Reusable content – entire documents, sections, paragraphs, sentences or even individual words – can be used across documents, across media and across information types. With organizational movement toward content management and dynamic delivery of content, more and more reusable content is created. But effective content reuse requires robust information models, metadata and strategies for utilizing content management and personalization to support reuse.

#### You will learn about:

- The concepts, strategies, guidelines, processes and technological options that will empower enterprise content managers and information architects to meet the increasing demands of creating, managing and distributing reusable content

**Ann Rockley**, The Rockley Group  
**Steve Manning**, The Rockley Group

---

### Informetric Applications for Information Retrieval Research (SIGs CRS & MET)

How can informetrics be applied to IR system research? In this session, presenters discuss applications and implications of observed regularities in IR system content and usage characteristics for designers and users.

#### You will learn about:

- Informetric concepts as they relate to information retrieval
- The impact of indexing characteristics on a document space in a visual IR system environment
- The characteristics of frequencies of hypertext linkages in a Webbased environment
- Informetric characteristics of a music IR system
- The similarities between the frequencies of musical interval representation and textual equivalents
- Future areas for informetricbased IR research

#### Presenters

**Isola Ajiferuke**, University of Western Ontario  
**J. Stephen Downie**, University of Illinois at Urbana Champaign  
**Michael J. Nelson** , University of Western Ontario  
**Jin Zhang**, University of Wisconsin-Milwaukee

**Moderator: Dietmar Wolfram**, University of Wisconsin-Milwaukee

---

### **Evolution of Knowledge Management Education (SIG/KM)**

Knowledge management – the ability of organizations to manage their knowledge efficiently – is becoming a crucial competency for entry into competitive organizations. While its importance as an emerging discipline is somewhat obvious by the attention it is getting and the corporate and academic power it is accumulating, some fundamental issues remain about knowledge management and the education of future practitioners. At present, institutions of higher learning are designing and developing KM programs within an uncertain theoretical and practitioner climate. A need exists for a clearly defined body of knowledge comprising KM. Yet today, course material is often based upon an ambiguous framework of information that is ubiquitous, vague and sometimes a repackaging of existing discipline material.

#### **You will learn about:**

- Important policy, practitioner and theoretical implications of educational programs in KM and knowledge science
- Institutional efforts to make sense of the broad spectrum of available material that is often conflicting and contradictory
- Difficulties in developing programs that purport to teach this emergent discipline and convey principles, theories, techniques and methods
- Efforts to arrange concepts associated with KM and knowledge science into a stable base of knowledge, and, if unsuccessful, the influences that may be barring stability

#### **Presenters**

**Michael J.D. Sutton**, McGill University

**Brian (Bo) Newman**, Knowledge Management Forum

**Susan Gasson**, Drexel University

**Joanne Twining**, University of Denver

---

### **Visualizing Knowledge Domains (SIGs CR & VIS)**

Information visualization can be a powerful tool for simplifying access to complex material.

#### **You will learn about:**

- The use of visualization techniques to organize and display the structure of knowledge in subject domains
- The extent to which it is successful in clarifying the scope of individual fields
- The relationships between concepts within fields and with related fields
- New work in topic maps, selforganizing maps and other techniques

#### **Presenters**

**Helen Barsky Atkins**, Stanford High Wire Press

**Katy Borner**, Indiana University

**Katherine W. McCain**, Drexel University

**Moderator: Edie Rasmussen**, University of Pittsburgh

---

### **Metadata (Contributed Papers)**

Semantic Markup for Literary Scholars: How Descriptive Markup Affects the Study and Teaching of Literature. **D. Grant Campbell**, University of Western Ontario

- Application Practice of the IFLA FRBR Model: A Metadata Case Study at the National

Palace Museum in Taipei. **Ya-Ning Chen, Simon C. Lin** and **Shu-Jiun Chen**, Academia Sinica

- Discovery of User-Oriented Class Associations for Enriching Library Classification Schemes. **Hsiao-Tieh Pu**, Shih Hsin University

---

### Information Policy (Contributed Papers)

- Comparing Internet and Mobile Phone Digital Divides. **Ronald E. Rice** and **James E. Katz**, Rutgers University
- The Digital Divide: Who Really Benefits from the Proposed Solutions for Closing the Gap? **Ronald D. Houston**, University of Texas at Austin, and **Sanda Erdelez**, University of Missouri

The Impact of the Introduction of Web Information Systems (WIS) on Information Policies: An Analysis of the Canadian Federal Government Policies Related to WIS. **Christine Dufour** and **Pierrette Bergeron**, University of Montreal

## 12noon - 1:00pm

### Global Information Village Plaza (SIG/III)

Politicians, economists, demographers and other specialists discuss at length the so-called global village, and they design policies and programs to support the world's transition to a digital economy. But the lay professional public has little opportunity to express and confront its views. And while macro-economic and social challenges and practices are often debated, implications of the "new" society on individuals is more often than not overlooked. In celebration of the SIG/III 20<sup>th</sup> anniversary, this project will provide an opportunity for all ASIST members to express and share their views.

**Moderators:** **Michel Menou**, City University, UK, **Nadia Caidi**, University of Toronto

## 1:30pm - 3:00pm

### The Changing Face of Scientific Communication: Developing New Models for Scholarly Publishing in the Electronic Environment (SIGs STI & PUB)

The systems of scientific and scholarly communication are changing rapidly with the growth of the Internet, and not all of these changes are positive. The 20-year crisis in subscriptions costs, paired with the increasing recognition that copyright management is vitally important to the flow of information, has prompted many in scholarly communication fields to call for a sea change in how scientists formally share information. But is the Internet the solution and, if so, how will the Internet future look?

#### You will learn about:

- Legal, social and political questions – pertaining to copyright, peer review, tenure and promotion practices, cost, access versus ownership, and archiving – facing scientists and libraries
- The impact of these issues on projects and new journals being published in a variety of venues

#### Presenters

**K.T.L. Vaughan**, NCSU Libraries Scholarly Communication Center

**Julia Blixrud**, SPARC

**Karla Hahn**, University of Maryland McKeldin Library

**David Cohn**, *Journal of Machine Learning Research*

---

### **Open Sourcing the Digital Library: Tools & Infrastructure (SIGs DL, LAN & PUB)**

Although generalized architectures for digital libraries are still being defined, we have a good understanding of the components that support the services of a digital library. Many of these components are based on open source software – and for good reason.

#### **You will learn about:**

- The different areas of a digital library architecture
- The importance of open source software in digital libraries
- Several open source or community source projects
- Successes and challenges in utilizing open source software in library settings

#### **Presenters**

**Jeremy Frumkin**, University of Arizona Libraries, "Digital Library Architecture: Evolving through Open Source"

**Brenda Bailey-Hainer**, Colorado State Library

**Thornton Staples**, University of Virginia Library, "The OpenSource FEDORA Repository Development Project"

**Moderator: Pascal V. Calarco**, Virginia Commonwealth University Libraries

---

### **Multicultural Aspects of Information Organization and Access (SIG/III)**

The multicultural environment created by globalization of information poses challenging opportunities for information organization and access. In this panel session, a group of experts will present their insights and research to illustrate how they address these challenges.

#### **Presenters**

**Yin Zhang**, Kent State University

**Stan Skrzyszewski**, Advanced Strategic Management Consultants

**Bhagiirathi Subrahanyam**, Kent State University

**Cheryl Metoyer**, Thesaurus Construction Project, UCLA

**Nathalie Leroy**, United Nations

**Nadia Caidi**, University of Toronto

---

### **Current Relevance Research (SIG/USE)**

Following an overview of the status of relevance research in the 1990s, panelists will report on a wide variety of ongoing research projects.

#### **You will learn about:**

- Developing a standardized evaluation instrument
- Identifying information traits used to determine presence or absence of relevance criteria
  - Identifying relevance criteria for new types of material, such as Web pages and responses to questions on electronic lists

#### **Presenters**

**Marilyn Domas White**, University of Maryland

**Linda Schamber**, University of North Texas

**Carol Barry**, Louisiana State University

**Judith Bateman**, Catholic University of America

---

**Webmetrics (Contributed Papers)**

- Exploring the Pattern of Links Between Chinese University Web Sites. **Rong Tang**, University at Albany, and **Mike Thelwall**, University of Wolverhampton
- Introducing Regulated Bias into Co-citation Ranking Schemes on the Web. **Ronny Lempel** and **Shlomo Moran**, The Technion
- Web Link Counts Correlate with ISI Impact Factors: Evidence from Two Disciplines. **Liwen Vaughan**, University of Western Ontario, and **Mike Thelwall**, University of Wolverhampton

**Users and IT (Contributed Papers)**

- Influences of Demographic Characteristics of Community Network Users on Their Perceptions and Use of the Network. **Nahyun Kwon**, University of Wisconsin-Madison
- Communities of Practice With and Without Information Technology, **Noriko Hara** and **Rob Kling**, Indiana University

The U.S. Library Program: Analysis of the Impact on Staff in Louisiana Public Libraries. **David Robins**, University of Pittsburgh, and **Monica King** and **David O. Landry**, Louisiana State University

**3:30pm**

Annual Business Meeting (open to all)

**7:00pm**[SIG Dutch Treat Dinners](#) (times may vary)**8:00pm****Just in Time Research, SIG CON**

Recalling the spirit of the very first SIG/CON session (i.e., "pulled together too late for inclusion in the printed program" Ref. 1), this year's theme is "Just-in-Time Research." The session will open with a review of just-in-time research, especially as it applies to information science and technology, and with the latest references added as the session unfolds (in real time). Submissions for this session will be judged based on their relevance to the theme, of course, but special preference will be given to those who submit a plan showing that they will be gathering their data during the 2002 Meeting itself.

<http://web.simmons.edu/~schwartz/con/sig-con-hist.html>

**Chair Helen Atkins**, Stanford University, Highwire Press



**Association for Information Science and Technology**  
8555 16th Street, Suite 850, Silver Spring, Maryland 20910, USA  
Tel. 301-495-0900, Fax: 301-495-0810 | E-mail: [asis@asis.org](mailto:asis@asis.org)

**Get the Information Edge**

Copyright 2002, Association for Information Science and Technology