

Preliminary Program



Bringing Research and Practice Together @ ASIS&T'05

Explore the diversity of perspectives and insights when research—behavioral science, communications, computer science, sociology, business, biomedical science, history, philosophy and linguistics—intersects with application in such fields as librarianship, information architecture, systems design and development, publishing, bibliography, interface design and usability, teaching and classification. Join us as we generate innovative ideas, define theoretical concepts and work out the nuts and bolts of implementing well-tested ideas in new ways and in new settings.

2005 ASIS&T ANNUAL MEETING

OCTOBER 28-NOVEMBER 2 CHARLOTTE, NORTH CAROLINA

Sparking Synergies: Bringing Research and Practice Together @ ASIS&T '05

greetings from the conference chairs

Welcome ASIS&T members and friends to the ASIS&T 2005 Annual Meeting. This program's theme, *Sparking Synergies: Bringing Research and Practice Together @ ASIS&T '05*, reflects the increasing need to bring together the knowledge gained through empirical and theoretical studies and the knowledge gained through on-the-ground experience. To that end, we have solicited high-quality contributions from practitioners throughout the field of information science as well as from the research arena.

With well over 100 papers, panels and posters, you'll be able to explore the intersection of such research domains as behavioral science, communications, computer science, sociology, business, biomedical sciences, history, philosophy and linguistics with a variety of fields of practice, such as librarianship, information architecture, systems design and development, publishing, bibliography, interface design and usability, teaching and classification.

As always, the agenda is full. You will want to plan your days carefully to make sure you don't miss the highlights in areas of particular interest to you. Among the many topics we're covering are information behavior; digital libraries; information design; ethical, legal and policy issues; information organization; knowledge management; medical and health information; online searching behavior; information resources; social informatics; foundations of information science; and online help.

In addition, we have expanded the poster sessions to two full days. Posters during the first day are focused on users and behavior; on the second day, posters focus on content and systems. The presenters will be on hand during designated hours each day for discussion, while the posters will be available throughout the day for viewing at any time.

And finally, this year marks the first time that the Proceedings will be offered in electronic form, both as a CD-ROM available at the conference and with enhanced content from poster and panel sessions added after the meeting on the ASIS&T website.

We – the co-chairs of this exciting meeting – thank our hard-working and inspirational program committee, who helped create the theme, find exciting keynote speakers, recruit over 200 reviewers from across our community and make the hard decisions about which of the hundreds of high quality submissions to include. Dick Hill, ASIS&T executive director, was – as always – an indispensable guide and contributor throughout the development of the program.

We welcome you all to Charlotte for a spirited discussion of what it means to bridge research and practice in our profession.

Mike Crandall and Barbara Wildemuth, Co-Chairs

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conference sponsor

For more than 65 years, the American Society for Information Science and Technology (ASIS&T) has been the leader in keeping information professionals on the cutting edge. ASIS&T provides high-quality conference programs for information systems developers, online professionals, information resource managers, librarians, records managers and others who “bridge the gap” between the present and the future, between research and application, and between developer and user. ASIS&T helps its members and its conference participants meet the challenges of today and prepare for tomorrow.

Information contained in this preliminary program was accurate at the time of preparation. Updated information on the program will be available at the ASIS&T website – www.asis.org

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pre-conference seminars and workshops

Start your 2005 ASIS&T Annual Meeting experience with a look at something entirely new or with a refresher course on a subject whose growth has outpaced your knowledge. The ASIS&T Pre-conference Seminars and Workshops will be held on the Friday and Saturday preceding the start of the Annual Meeting. Separate registration and fees are required. See the registration form for the fees and the ASIS&T website for more information about each seminar.

FRIDAY, OCTOBER 28

Friday, October 28
9:00 a.m. - 5:00 p.m.

Building Digital Library Collections with Open Source Software

This workshop, designed for those who want to build their own digital libraries, but do not want to write their own software, will demonstrate how different kinds of digital library collections can be built with the Greenstone digital library software – a comprehensive, open-source system for constructing, presenting and maintaining information collections. Collections will be built from HTML documents; Word, PDF and PostScript documents; images in various formats; MP3 and MIDI audio; MARC records; and more. For each collection, full-text search indexes and metadata-based browsers will be created. We will discuss support for Dublin Core, OAI and METS, and show how collections can be exported to and from DSpace. Attendees are encouraged to bring their laptops, install this open source software from a CD-ROM that will be provided and follow along with the demonstrations on their own machines.

The workshop is centered upon Greenstone's "librarian" interface, which allows users to gather sets of documents, import or assign metadata, build them into a Greenstone collection and serve it from their websites. The interface supports seven basic activities – opening an existing collection or defining a new one; copying documents into it; mirroring documents from the Web, if required; enriching the documents by adding further metadata to individual documents or groups; designing the collection by determining its appearance and the access facilities it will support; building it using Greenstone; and previewing the newly created collection from the Greenstone home page.

In this workshop, you will learn

- How to install the software
- How to set up a digital library system, build your own collection and customize it
- How to extend and tailor the system, if you have programming skills.

Instructor: **Ian H. Witten**, professor of computer science at the University of Waikato, directs the New Zealand Digital Library project (where the Greenstone software originates). He has published widely in the areas of digital libraries, data compression, information retrieval and machine learning.

Friday, October 28
9:00 a.m. - 5:00 p.m.

Theory and Practice of Cognitive Work Analysis: Designing Ecological Information Systems

This tutorial offers an overview of the cognitive work analysis framework, looking at its historical, methodological and theoretical positions in relation to other movements in information science, particularly with respect to human information behavior research. We will then discuss and explain the applicability of the cognitive work analysis framework to the design of information systems, introducing some of the specific methods and templates that are employed in the framework. The tutorial is highly interactive and the participants will have opportunities to discuss their own work and relate it to the cognitive work analysis framework.

As a result of your participation in this tutorial, you will

- Understand how to develop requirements for an information system to satisfy the actors' needs
- Understand how to conduct an evaluation of an existing, or proposed, information system guided by cognitive work analysis
- Apply a few basic cognitive work analysis tools to your own work and research
- Start thinking about applying the full cognitive work analysis framework to your work and research agenda

Instructors: **Raya Fidel** and **Jens-Erik Mai**, Center for Human-Information Interaction, Information School, University of Washington

Raya Fidel, professor, The Information School, and head of the Center for Human-Information Interaction, University of Washington, has applied the cognitive work analysis framework to study information seeking in various communities from high school students searching the Web to design engineers working collaboratively to solve information problems.

Jens-Erik Mai, assistant professor, The Information School, and associate head of the Center for Human-Information Interaction, University of Washington, is particularly interested in understanding how people use information in their workplaces and how information should be organized and presented to support their work.

International Conference on Knowledge Management (ICKM)

ASIS&T is pleased to host the second **International Conference on Knowledge Management (ICKM2005)** on **October 27-28** in conjunction with our own Annual Meeting in the Westin Charlotte Hotel in Charlotte, North Carolina. ICKM will bring together academics, researchers, developers, practitioners and users in the areas of knowledge management and information processing. It will serve as a platform for networking, exchange of research ideas, practical applications and best practices. For more information on the ICKM conference, please see the website at www.ickm2005.org. For your convenience, the ASIS&T Annual Meeting registration form allows you to register for both meetings at the same time and to enjoy a member discount.

Friday, October 28
8:30 a.m. - 12:30 p.m.

Information Architecture and Findability

Interface stands on the shoulders of infrastructure. User experience relies on the foundation systems of information architecture. And, the biggest problem on today's websites and intranets is findability. This half-day seminar covers information architecture from top to bottom, explaining how search and navigation systems can be designed to support and shape user behavior. Among the topics to be discussed are the following:

- Major IA systems: taxonomies, metadata, organization, labeling, navigation and search
- Metrics and methods: measuring success, design methodology, studying users, content and context
- Ambient findability: social software, semantic webs, location awareness and the future of user experience

As a result of your participation in this workshop, you will learn about

- Concepts, methods and tools needed to practice information architecture successfully
- Making your website or intranet more useful, usable, accessible, desirable, credible and findable
- Best-in-class examples drawn from corporate, e-commerce, education and government websites and intranets

Each participant will receive an autographed copy of Peter's new book, *Ambient Findability*.

Instructor: **Peter Morville**, president of Semantic Studios, is widely recognized as a founding father of the field of information architecture. He coauthored the best-selling book, *Information Architecture for the World Wide Web*, and has more than a decade of experience consulting with leading organizations. He is on the faculty at the University of Michigan's School of Information.

Friday, October 28
1:30 p.m. - 5:30 p.m.

Ontology Design Using RDF/OWL and Topic Maps

This tutorial covers major concepts and technologies related to ontology design using W3C recommendation RDF/OWL and ISO standard Topic Maps (TM). We will explain distributed data management with RDF, RDF schema and elementary and advanced use of OWL. Protégé will be used for a hands-on experience of designing a RDF/OWL ontology. Then we will move onto a discussion of the major concepts, syntax, tools and applications of TM, and we will look at TM ontology design methodology using TM ontology design tools. Participants will be able to see the difference between thesaurus-driven knowledge management

and ontology-driven management. The Ontopia Knowledge Suite (OKS) will be employed to design a TM ontology.

Instructor: **Sam Oh**, associate professor, Sungkyunkwan University, Korea, is an affiliate professor at the University of Washington and adjunct professor at Syracuse University. He teaches such courses as database design, designing metadata schemas and ontology-driven knowledge management.

Friday, October 28
1:30 p.m. - 5:30 p.m.

Resolving Taxonomy Challenges and Information Architecture Conflicts

Where does a taxonomy leave off and traditional data structure begin? Are they different facets of the same thing? What do taxonomy and library science professionals need to know about information architecture, and what do data architects need to know about taxonomy development and maintenance? Boundaries between structured and unstructured data (or as some purists like to say, "tabular and non-tabular data") are becoming less clear.

Organizations are struggling with unifying their content management tools, enterprise information systems and Web applications so that classifications can evolve to the needs of changing markets and business processes, yet remain in context to one another. When building a content framework that unifies the user experience (whether a portal architecture, public website, extranet or intranet), how can multiple information architectures be connected in a structured way, yet allow for changes that do not break linkages or have unwanted effects that cascade through the organization?

Using two case studies – the IBM intranet and a large pharmaceutical organization – we'll cut across cultural challenges, knowledge systems, information architecture, business processes and technologies to illustrate ways to tackle content management initiatives from the perspective of multiple taxonomies and complex metadata architectures.

As a result of your participation in this tutorial, you will have

- understanding of the challenges of multiple taxonomies and metadata structures
- An approach for dealing with the complexity of interrelated systems and tools in the context of shared classifications
- A framework for evaluating solutions to these challenges
- A specific tangible example of how the problem has been solved at other organizations.

Instructors: **Seth Earley**, president, Earley & Associates; **Wendi Pohn**, chief taxonomist, IBM; **Debra Gesimondo**, CTO, NetNumina

SATURDAY, OCTOBER 29

Saturday, October 29
8:30 a.m. - 5:00 p.m.

16th ASIS&T SIG/CR Classification Research Workshop

In this, the 16th annual SIG/CR workshop, we will critically examine knowledge organization in action – how, why, by and for whom knowledge organization operates. It is critically important that the knowledge organization research community investigate these concerns because they influence how users employ systems of knowledge organization, how they perceive them and what they expect of them. The understandings and reflections produced by knowledge organization research should be used to explain and reveal to users what systems of knowledge organization mediate, whose discourses speak and whose do not.

Saturday, October 29
8:30 a.m. - 12:30 p.m.

Personal Information Management in Theory and in Practice

Personal information management (PIM) is both a field of inquiry and an activity that we all perform every day. In this highly interactive tutorial aimed at a general audience, we'll look at the following elements:

- Historical overview of PIM with special emphasis on developments over the past 20 years
- Analytical breakdown of PIM with respect to key problems, information management activities (needs assessment; finding, keeping, organizing and maintaining information; etc.) and domains of information management (e.g., email, web, e-documents, paper)

- Assessment of current PIM research and development, including promising lines of empirical inquiry, theoretical development and tool development
- Practical review of enduring “dos” and “don’ts” of personal information management
- Overview of the many tools that promise to help with PIM and suggestions for evaluating these tools.

Tutorial participants will have the opportunity to assess and refine their own individual PIM strategies and begin work on their own personal unifying taxonomies in support of these strategies.

Instructor: **William Jones**, associate research professor, The Information School, University of Washington, has spent some 20 years on the theory and practice of personal information management. His publications cover topics in PIM and the related areas of human memory, information retrieval and human-computer interaction.

Saturday, October 29

9:00 a.m. - 5:00 p.m.

Building Taxonomies for Information Retrieval: A Hands-On Workshop

Taxonomies provide the key to precise information retrieval. A well-built taxonomy is part of the foundation of the information architecture underlying websites and corporate intranets, connecting search queries to relevant content in databases. This session covers the rules for thesaurus construction, explores terms and source materials, and explains each part of the thesaurus record. We will work on multiple hands-on exercises demonstrating various aspects of thesaurus construction and conclude the session by building a mini-taxonomy.

Instructor: **Marge Hlava**, president, Access Innovations

Saturday, October 29

9:00 a.m. - 5:00 p.m.

Content Modeling: How to Make the Most of Your Content Management System

Once an organization buys a content management system, many information architects are in the unenviable position of trying to fit existing content into it without either a process or method to do so. In this workshop participants will work through the process of modeling content (both existing and new) to make the most of the features of a content management system. Participants will learn via hands-on exercises how to identify content genres, objects and collections and how to create and manage them. This is an intensive hands-on course designed to provide an editor, information architect or content producer with methods and insight on how to model content for content management systems.

Instructor: **Margaret Hanley**, has been an information architect for more than 10 years on three continents. She is currently head of user experience at DNA in London. She was previously the executive producer of core products for bbc.co.uk where she developed content models and controlled vocabularies to describe everything from “Composer of the Week” to traffic updates on the Nottingham WIL site. In the United States, Margaret was a project manager for Argus Associates, concentrating on the development of deep information architecture for corporate websites.

Saturday, October 29

1:00 p.m. - 6:00 p.m.

5th Annual Research Symposium of the Special Interest Group/Information Needs, Seeking and Use (SIG/USE) Connecting Research and Practice: Special Populations

Information behavior (IB) researchers are increasingly turning their

attention to “special populations” – people who share particular situations that yield unique ways in which they need, seek, manage, give and use information. For example, recent studies of different age groups and people with specific illnesses have contributed to IB theory building and the field’s overall understanding in important ways. The goal of the 2005 SIG/USE Symposium is to examine selected special populations and ways in which related research has led to changes in the practice of designing and delivering information services.

The symposium will begin with an introductory presentation entitled *The Burden of Being Special: Adding Methodological Clarity to Defining, Researching and Serving Special Populations*, by Brenda Dervin, Ohio State University.

Under the leadership of researchers and practitioners who focus on special populations in their work, participants will discuss key studies and identify their strengths and limitations for understanding and serving different groups. Through this process, participants will gain a deeper understanding of different research and service approaches and will be able to apply them in more valid and fruitful ways in their own work. Ultimately, the symposium may produce a collection of best practice research and service guidelines for special populations.

Symposium Organizers:

Anita Komlodi, University of Maryland, Baltimore County
Kevin Rioux, University of North Carolina at Greensboro
Hsin-liang (Oliver) Chen, The University of Texas at Austin
Crystal Fulton, University College Dublin, Ireland
Ruth Vondracek, Oregon State University

Saturday, October 29

1:30 p.m. - 5:30 p.m.

Taking a New Look at Information Design

This session, specifically targeted at individuals suddenly thrust into the information design process without formal design instruction, will explore the process of information design from the moment of inspiration or, as is often the case, content handoff from a colleague. Specifically, this session will cover the following processes:

- **Assessing user needs:** How do you organize your content? Does it reflect your organization’s structure? Does this match how your users think about the content? How do you find out? Learn time- and cost-effective methods for getting in touch with your users and their site-using habits.
- **Organizing your site in the best way possible:** How do you use the feedback you receive to develop your site? Learn strategies you can use to get control of your content, get it organized and display it for maximum benefit to your users.
- **Establishing a plan:** Don’t let the hard work you have done in the assessment and organization phases go to waste. Listen to anecdotes of what happens if you don’t plan and tips you can employ to make sure your design will hold up over time.
- **Documenting your efforts:** Often overlooked in informal projects, documentation ensures that your work allows you to revisit what you did and remember why you did it.

Instructor: **Laurie Gray**, began the interface design path in her career in 1995 when, as a certified speech-language pathologist, she began creating custom computer-based interfaces for her patients with quadriplegia. After taking web development courses, she became an HTML programmer for SmartOnline.com, where she worked her way up to user-centered design liaison for the company’s Strategic Concept Development Team. Subsequently, she has worked with HumanCentric Technologies, designing and testing interfaces, and currently with KnowledgeStorm in Alpharetta, Georgia, where she is senior information architect and design team lead.

Technical program

SUNDAY, OCTOBER 30

Sunday, 1:30 p.m.

Cognitive and Affective Factors in Information Seeking (Papers)

- *Affective and Cognitive Information Behavior: Interaction Effects in Internet Use.* **Diane Nahl**, University of Hawaii
- *Beyond 'Needy' Individuals: Conceptualizing Information Behavior as a Social Construct.* **Michael Olsson**, University of Technology, Sydney
- *Dual-Task Performance as a Measure for Mental Effort in Library Searching and Web Searching.* **Yong-Mi Kim** and **Soo Young Rieh**, University of Michigan

MODERATOR: **Cassandra Armstrong**, University of LaVerne

Sunday, 1:30 p.m.

Knowledge Map of Information Science: Implications for the Future of the Field (SIG/HFIS)

Over the last two years an international panel of information scientists has participated in a critical Delphi study aimed at exploring the theoretical foundations of the field, mapping its various conceptions and developing a systematic and scientifically valid knowledge map grounded on a solid theoretical basis. The international panel consists of 57 participants from 16 countries representing almost all the major sub-fields of the field. Members of that panel will speak here on the study and its implications for the field of information science.

PRESENTERS

Claire Beghtol, University of Toronto, Canada
Glynn Harmon, University of Texas at Austin
Donald Hawkins, Information Today, Inc., and EBSCO Publications
Tom Froehlich, Kent State University
Charles Davis, Indiana University
Michel Menou, UNESCO, France
Carol Tenopir, University of Tennessee

MODERATOR: **Chaim Zins**, Bar-Ilan University, Israel, and **Anthony Debons**, University of Pittsburgh

Sunday, 1:30 p.m.

How Neutral Can Technology Be? (SIGs/III, IFP & HFIS)

Is technology amoral? Is design value-laden but code-neutral? Philosophers, technologists, scholars and social critics continue to debate whether information technologies are a neutral and autonomous force acting independently of other social processes. The differing assumptions and values about the social nature of technology have implications in the context of research and practice, and they are of compelling importance from ethics, design, globalization and policymaking perspectives. This panel will address the varying approaches (e.g., instrumental theory of technology versus more interpretive approaches) and discuss the implications of technological (non-)neutrality in a variety of settings, including ubiquitous computing, health care technologies, digital library development and others.

PRESENTERS

Marija Dalbello, Rutgers University
Kalpana Shankar, Indiana University
Nadia Caidi, University of Toronto
Thomas Froehlich, Kent State University

Sunday, 1:30 p.m.

The Design of Novel Interfaces (Papers)

- *Multimodal Trivariate Thematic Maps with Auditory and Haptic Display.* **Wooseob Jeong**, University of Wisconsin-Milwaukee
- *GovStat Statistical Interactive Glossary: Two Studies of Effectiveness and Control.* **Ron T. Brown**, **Jesse Wilbur**, **Stephanie W. Haas** and **Leo Cao**, all of University of North Carolina at Chapel Hill
- *Video-based Virtual Reference: System Infrastructure, User Interface and Pilot User Study.* **Xiangming Mu**, University of Wisconsin-Milwaukee, and **Lili Luo**, University of North Carolina at Chapel Hill

Sunday, 1:30 p.m.

Putting Motion into the Image Retrieval Interface (SIG/VIS)

When video, still and 3D images meet, how do we design a universal interface? What role do constantly changing user expectations, technology and information needs in the imaging field play? This panel looks at a wide range of current research in imaging, focusing particularly on bridging the gap between image retrieval system designers and users.

PRESENTERS

James Turner, University of Montreal
Abebe Rorissa, University of North Texas
Elise Lewis, University of North Texas
Paul Roy, Arius 3D
Michael Schmidt, University of Memphis

Sunday, 3:30 p.m.

Information Seeking in a Social Context (Papers)

- *Using Lessons from Health Care to Protect the Privacy of Library Users: Guidelines for the De-Identification of Library Data Based on HIPAA.* **Scott Nicholson** and **Catherine Arnott Smith**
- *Shifts between search stages during task-performance in mediated information seeking interaction.* **Judit Olah**, Queens College
- *Design and Evaluation of a Prototype User Interface Supporting Sharing of Search Knowledge in Information Retrieval.* **Xiangmin Zhang**, **Yuelin Li** and **Sarah Jewell**, all of Rutgers University

Sunday, 3:30 p.m.

The Moral Legitimacy of Intellectual Property and Copyright as Policy and Code: Librarians, Pirates and the Myth of the Intellectual Commons (SIG/IFP)

Purely intra-disciplinary discussions about the legitimacy of intellectual property rights provide an incomplete picture of current research on this important ethical issue. This panel session will present four views that, when taken together, present a holistic picture of the ethics of intellectual property policies from philosophical, legal and professional communities.

PRESENTERS

Kenneth Einar Himma, Seattle Pacific University
Cavinda Caldera, Syracuse University
Kathryn Clodfelter, Indiana University
ORGANIZERS: **Randall B. Kemp**, University of Washington, and **Pnina Shachaf**, Indiana University

Sunday, 3:30 p.m.

**Sparking Synergies Between Research and Practice:
The Contribution of Social Informatics (SIGs/TIS & CRIT)**

Using the perspective of social informatics, this panel will address the relationship between research and practice in the domain of organizational information systems. Organizations regularly face a serious problem when integrating information and communication technologies (ICTs); in spite of rising corporate investment in ICTs, many large-scale projects fail. Concurrently, a great deal of empirical research has yielded a wide range of findings with implications for practitioners. Yet there seems to be a disconnect between those who study ICTs and those who use them – a research-practitioner gap that is clearly a detriment to both parties.

The participants on this panel will draw on their own research experiences to discuss ways in which practitioners and social informatics researchers can better interact to improve research and professional practice.

You will learn about

- Bridging the gap between theory and practice
- Determining the value and relevance of research for practitioners
- Understanding how practitioners apply research insights in their routine work
- Determining the role of practitioners in the conduct of research
- Communicating relevant research effectively to practitioners

PRESENTERS

Steve Sawyer, Pennsylvania State University

Elisabeth Davenport, Napier University

Ronald Day, Wayne State University

MODERATOR: Howard Rosenbaum, Indiana University

Sunday, 3:30 p.m.

Envisioning Help Resources for the Future Information Ecology: Toward an Enriched Sense of Help

More and more, people turn to the Web to locate information, to perform routine transactions, to shop and to find entertainment. But as the information, tasks and tools of the Web become more complex, these same people remain reluctant to use the help resources available to them, except as a last resort. Among the reasons users cite for ignoring help resources are assumptions that the help will be irrelevant to their needs; expectations of poor quality of help; and beliefs that the use of help is an admission of failure.

Panelists in this session will share and discuss findings from a recent symposium held to synthesize what is known about people's needs for a variety of help resources into a new vision of what help could and should be. Working together, the panelists and the audience will formulate a research agenda to get the field to a new vision of help and its role in the information ecology.

PRESENTERS

Laurie Brown, Social Security Administration's Office of Policy (invited)

Sheila Denn, doctoral student, University of North Carolina at Chapel Hill

David Locke, WordSmith LLC

Ben Shneiderman, Human-Computer Interaction Laboratory, University of Maryland at College Park

MODERATOR: Stephanie W. Haas, University of North Carolina at Chapel Hill

Sunday, 3:30 p.m.

**The Digital Museum in the Life of the User
(SIGs/USE, AH, DL, VIS & HCI)**

The number of museums offering digital resources to their patrons continues to grow, as do the numbers of online visitors, yet there is still much to learn about the information behavior of online museum visitors and how they incorporate digital museum resources into their daily lives. Since the use of digital resources is expected to continue, it becomes all the more important that we improve our understanding of how museum visitors use digital museum resources, online and in-house. This panel will discuss approaches to and the need for a better understanding of the digital museum in the life of the user.

You will learn about

- Desires of individuals for access to digital representations of museum resources
- The relationship between digital and physical museum resources according to users of those resources
- Ways to integrate digital museum resources into the sociocultural fabric of users' everyday lives
- How enhanced gallery devices, such as PDAs or tablet computers, help individual visitors interface with museum exhibits

PRESENTERS

Paul Marty, Florida State University

Hsin-liang Chen, University of Texas at Austin

Kenneth Hamma, J. Paul Getty Trust

Layna White, San Francisco Museum of Modern Art

Anne Gilliland-Swetland, University of California at Los Angeles

MODERATORS: Paul Marty, Florida State University, and **Hsin-liang Chen**, University of Texas at Austin

Sunday, 5:30 p.m.

**Leadership Development Program
Keeping on the Same Page: Simply Working Together
and Making Your Group Effective and Productive**

Two active and energetic ASIS&T leaders will describe many of the activities they have employed in their chapters and SIGs, as well as in their professional lives, and show how these efforts can improve the effectiveness and productivity of any group. Anita Coleman has brought her love of blogs, wikis and virtual community building to her participation in the Arizona chapter. Yin Zhang's communication efforts on behalf of SIG/III and the Northern Ohio Chapter span the worlds of print and electronic publishing. Together, they will show how new technologies and new energy can make working together both fun and successful.

PRESENTERS

Anita S. Coleman, University of Arizona

Yin Zhang, Kent State University

Sunday, 6:30 p.m.

Welcome Reception/SIG Rush

MONDAY, OCTOBER 31

Monday, 8:00 a.m.

Digital Reference: Analysis of Its Use by Children and Teenagers

How young people use the Web is the subject of considerable research attention, yet little of this research has focused explicitly on how children and young adults use the variety of online reference services currently available. This panel examines this issue by addressing the following questions:

- To what extent do children and teenagers know about, understand and use the virtual reference services available on the Web?
- Under what conditions do they turn to chat reference vs. asynchronous modes?
- How successful are they at communicating in either mode within this mediated interaction environment?
- In what ways can online reference systems be improved to suit the specific needs of younger populations?

Research addressing these questions will be discussed as it relates to these questions and to the further development of library science and communication theory in mediated, online reference environments used by youth.

PRESENTERS

Joanne Silverstein, Syracuse University
Virginia Walter, University of California at Los Angeles
Cindy Mediavilla, San Diego County Public Library
Colleen Cool, Queens College, CUNY

Monday, 8:00 a.m. (SIG/LT)

Recent Developments in Electronic Resource Management (SIG/LT)

The handling of electronic resources has become so multifaceted and complex as to prevent their effective licensing and use without the help of electronic resource management (ERM) systems. An integrated and standardized management approach is needed to monitor rapidly changing access conditions and licensing terms, subscription renewal dates, patron authentication, shared resources and usage statistics. At first, libraries developed in-house systems; vendors of integrated library (ILS) systems followed with their own versions incorporating recently adopted ERM standards. The invited speakers, representing standardization bodies, librarians and ILS vendors, will provide an update on the status of electronic resource management and share their experiences and insights with the participants.

PRESENTERS

Rafal Kasprowski, University of Houston
Ivy Anderson, Harvard University Library
Barbara Weir, Swarthmore College
Theodore (Ted) A. Fons, Innovative Interfaces, Inc.

Monday, 8:00 a.m.

Understanding the Context of Scholarly Work (Papers)

- *Are Library and Information Science Journals More Internationalized? A Longitudinal Study of Authors' Geographical Affiliations in 20 LIS Journals from 1980 to 2003.* **Sin, Sei-Ching Joanna**, University of Wisconsin-Madison
- *Communication Regimes: A Conceptual Framework for Examining IT and Social Change in Organizations.* **Eric T. Meyer**, Indiana University

- *The Global Research Environment: Highlighting Information Science Challenges for the 21st Century.* **Caryn Anderson**, Simmons College, and **Gabriele Bammer**, Australian National University, Harvard University

Monday, 8:00 a.m.

Establishing a Research Agenda for Studies of Online Search Behaviors (SIG/USE)

Following up on discussions at the 2002 SIG/USE Research Symposium, *Measuring Search Behaviors*, a Delphi study was employed to solicit expert opinion on two methodological aspects of research on online search behaviors: the variables that are most critical to such studies and methods for measuring these variables. The results of the study (completed in spring 2005), combined with the reactions of leading scholars in the field, will provide an important foundation toward establishing a research agenda for online search behaviors.

PRESENTERS

Carol Barry, Louisiana State University
Joseph Janes, University of Washington
Abby Goodrum, Syracuse University
Sandra Hirsh, Microsoft

Monday, 8:00 a.m.

Greenstone in Practice: Implementations of an Open Source Digital Library System (SIG/DL)

The Greenstone digital library software is a comprehensive, open-source system for constructing, presenting and maintaining digital collections. Produced by the New Zealand Digital Library Project at the University of Waikato, Greenstone has permitted many digital library practitioners to build comprehensive and flexible digital collections at relatively low cost.

PRESENTERS

Ian Witten, University of Waikato, New Zealand
Allison Zhang, Digital Collections Production Center, WRLC
Tod A. Olson, University of Chicago Library
Laura Sheble, Wayne State University

Monday, 9:00 a.m.

Poster Session A: Users and Behavior

Authors present, 9:30 - 10:00 a.m.; 11:30 a.m. - 12:30 p.m.

The following are among the many scholars presenting their latest work:

- *Interrupted Cognition in an Undergraduate Programming Course.* **Wijekumar, K.** and **Meidinger, P.**, both of Pennsylvania State University
- *Semiotics and Sensemaking: Mapping the Relations.* **Myke Gluck**, Virginia Military Institute
- *Measuring Experienced Utility of Information Retrieval Systems: Experimental Approach.* **Irene Lopatovska**, University of North Texas
- *Work Roles, Tasks and the Information Behavior of Dentists.* **Carol F. Landry**, University of Washington
- *RoMEO Green at the University of Kansas: An Experiment to Encourage Interest and Participation among Faculty and Jumpstart Populating the KU ScholarWorks Repository.* **Holly Mercer** and **Ada Emmett**, both of University of Kansas
- *Social Networks of Information Seeking and Lifelong Learning: The Case of Genealogists Exploring Their Irish Ancestry.* **Crystal Fulton**, University College Dublin

- *Social Network Analysis Studies in the Public and Private Sectors: A Cross-Professional Comparison.* **Barbara A. Schultz-Jones** and **Janet R. Macpherson**, both of University of North Texas
- *Engagement as Process in Computer-Mediated Environments.* **Heather L. O'Brien** and **Elaine G. Toms**, both of Dalhousie University
- *Preliminary Findings of the Inclusion of Document Retrieval Systems as Actors in a Social Network.* **Janet R. Macpherson**, University of North Texas
- *Relevance Assessment as an Everyday Experience.* **Theresa Dirndorfer Anderson**, University of Technology, Sydney
- *Berrypicking in the Real World: A Wayfinding Perspective on Information Behavior Research.* **Christopher P. Lueg** and **Nicola J. Bidwell**, University of Tasmania
- *The Discourses of Appropriation: What Can We Learn From Laggards?* **Lisa P. Nathan**, University of Washington
- *Technology, Tradition and the Individual Talent: Literary Authors and Aesthetic Use of Information Technology.* **Stephen Paling**, University of Buffalo
- *Assessing the Information Politics of Organizations.* **Richard Reed**, University of North Texas
- *Lost, Found and Feeling Better: Exploring Proxy Health Information Behavior.* **Karen E. Fisher**, University of Washington
- *Seattle Public Library as Place: Nonparametric Analyses of Community Perceptions and Attitudes.* **Phillip M. Edwards**, Matthew L. Saxton, **Karen E. Fisher** and **Jens-Erik Mai**, all of University of Washington
- *Measuring Mental Models: Rationales and Instruments.* **Yan Zhang** and **Peiling Wang**, both of University of Tennessee
- *Consolidating User Relevance Criteria: A Meta-ethnography of Empirical Studies.* **Stephen Bales** and **Peiling Wang**, both of University of Tennessee
- *Metacognition and Information Searching in the Context of a Digital Library.* **Kyunghye Kim**, Florida State University
- *WIN 2-1-1: The Development of Evaluation Measures of 2-1-1 I&R Systems.* **Matthew Saxton**, **Karen E. Fisher**, **Charles M. Naumer** and **Chris Pusateri**, University of Washington
- *Engaging the User: Co-Browsing at the Reference Desk.* **Richard E. Stern**, Seton Hall University
- *Information-seeking by Parents Regarding School Choice: An Application of the Sense-making Approach.* **Charles M. Naumer**, University of Washington
- *Experienced Web Users' Search Behavior: Effects of Focus and Emotion Control Factors.* **Kyung-Sun Kim**, University of Wisconsin-Madison
- *Motivations and Uses: An Evaluation of Users' Use of a Chat Reference Service.* **Lili Luo** and **Jeffrey Pomerantz**, University of North Carolina at Chapel Hill
- *Search History Tools for User Support in Information Retrieval Systems: Results from an Iterative, User-Centered Process.* **Anita Komlodi** and **Manpreet Kaur**, both of University of Maryland, Baltimore County; **Tamas Komlodi**, Deltek Systems; and **Win Khine**, Boston College
- *In Search of Learning and Knowing.* **Amy Tracy Wells**, Michigan State University
- *Users' Conceptual Structure, Search Process and Useful Information Types in the Retrieved References.* **Perti Vakkari** and **Sami Serola**, University of Tampere, Finland, and **Mikko Pennanen**, University of Turku, Finland

Monday, 10:00 a.m.

Plenary Session: Matthew Szulik

Matthew J. Szulik, chairman, chief executive officer and president of Red Hat, has been leading early-stage technology companies into global, publicly traded firms for more than 20 years. In 1998, Szulik and Red Hat founder Bob Young developed a shared vision that the collaborative approach of open source and a great brand could redistribute the economics of the technology industry from vendor to customer. Today, Red Hat is the leading provider of Linux and open source technology to the enterprise and is positioned to be the defining technology company of the 21st century.

Szulik is the chairman of the Science and Technology Board for North Carolina's Economic Development Board. *CIO Magazine* recently honored him with its 20/20 Vision Award.

Monday, 1:30 p.m.

Understanding the Task (Papers)

- *Selecting and Measuring Task Characteristics as Independent Variables.* **Soojung Kim** and **Dagobert Soergel**, both of University of Maryland
- *Modeling the Information Behavior of Software Engineers Using a Work-Task Framework.* **Luanne Freund**, University of Toronto; **Elaine G. Toms**, Dalhousie University; and **Julie Waterhouse**, IBM Canada
- *The Universal Labeler: Plan the Project and Let Your Information Follow.* **William Jones**, **Charles F. Munat** & **Harry Bruce**, University of Washington

Monday, 1:30 p.m.

Selectivity and Selection of Documents (Papers)

- *Blogs as a Means of Preservation Selection for the World Wide Web.* **Marianne K. Gouge**, University of North Carolina at Chapel Hill
- *Metadata Characteristics as Predictors for Editor Selectivity in a Current Awareness Service.* **Thomas Krichel**, Long Island University, and **Nisa Bakkalbasi**, Yale University
- *Relevance criteria used by teachers in selecting oral history materials.* **Katy Newton Lawley**, **Dagobert Soergel** and **Xiaoli Huang**, all of University of Maryland

Monday, 1:30 p.m.

Surveys of Scientists and Engineers: Ensuring Reliable Research Evidence for Good Practice (SIGs/STI & USE)

Information scientists around the globe have made tremendous progress using a wide variety of survey instruments to understand how scientists and engineers find and use information. Librarians and publishers increasingly turn to the data generated by these instruments to design and implement information products and services that the scientific community needs and desires. But are all of these instruments equally effective? Researchers experienced in studying the information-seeking behavior of academics will describe their investigations into the effectiveness of different survey mechanisms. Their discussion will be led and provoked by the moderator and reactor, both experienced in providing library services to this community.

PRESENTERS

- Carol Tenopir**, University of Tennessee
- Donald W. King**, University of North Carolina at Chapel Hill
- Cecelia Brown**, University of Oklahoma
- Bradley M. Hemminger**, University of North Carolina at Chapel Hill

REACTOR: **Jon Jablonski**, University of Oregon

MODERATOR: **K.T.L. Vaughan**, University of North Carolina at Chapel Hill

Monday, 1:30 p.m.

Internet Usage Transaction Log Studies: The Next Generation (SIG/USE)

Over the past 10 years, the availability of large transaction logs of Internet-based search tools has produced a wealth of data on search patterns for public search engines, vendor database products and institutional search services. Much of the early research dealt with observed regularities in querying and browsing behaviors. But what's next for Internet user research? Panel members will discuss how they see research developing in the near future, and they will engage in a dialogue with audience members to develop an agenda for advancing the state of Internet transaction log research.

PRESENTERS

Bernard J. Jansen, Pennsylvania State University
Soo Young Rieh, University of Michigan
Amanda Spink, University of Pittsburgh
Peiling Wang, University of Tennessee
Dietmar Wolfram, University of Wisconsin-Milwaukee

Monday, 1:30 p.m.

User Services for Digital Libraries

Digital libraries are often defined as collections of electronic resources serving communities of users and the services offered to those users – a definition little different from that of a physical library. In fact, however, most digital libraries are primarily collections with little attention given to services that may be offered. Indeed, the Institute of Museum and Library Services' (IMLS) Framework of Guidance for Building Good Digital Collections says “services have been deliberately excluded as out of scope” of the discussion of building good collections.

This is beginning to change, as digital library projects consider the value of services to their user communities. As both digital libraries and online user services continue to evolve, they will recognize each other as necessary counterparts, just as physical libraries and their user services have found. This panel will explore issues and challenges associated with the integration of digital libraries and user services and discuss implications of providing human intermediation in a digital library environment.

PRESENTERS

Christine Borgman, University of California at Los Angeles
Maurita Holland, University of Michigan
Gary Marchionini, University of North Carolina at Chapel Hill
MODERATOR: Jeffrey Pomerantz, Syracuse University

Monday, 1:30 p.m.

Poster Session A: Users and Behavior, continued

Monday, 3:30 p.m.

Reports of the Demise of the “User” Have Been Greatly Exaggerated: Dervin’s Sense-Making and the Methodological Resuscitation of the User – Looking Backwards, Looking Forward (SIGs/USE & HFIS)

At an ASIS&T 2003 panel session, participants pronounced the “death of the user,” suggesting that new technologies undermine a concept that was already weak in its ability to account for agency in information seeking and use. This panel challenges that pronouncement by addressing how methodological approaches have created users in different manifestations – emotional, cognitive, physical and social. Panelists will zero in on how they have used Dervin’s Sense-Making Methodology in their attempts to conduct parsimonious, heuristic and useful user studies and to introduce a strong user-orientation into LIS pedagogy and practice. This panel will look backwards and forward using Sense-Making as an exemplar and foil for consideration of issues relating to the ways the philosophies that

drive methodologies and the methods that implement them enlarge or diminish our conceptions of the user.

PRESENTERS

A Beast with Many Arms: How and Why Sense-Making Methodology Grew and Mutated. **Brenda Dervin**, Ohio State University
When the User Isn’t Really the User, Nobody Is Yet Using and Uses Are Multifold. **Karen E. Fisher**, University of Washington
Users as Sense-Makers: What are the Entailments of Taking This Methodological Approach to Studying/Helping Users? **Catherine Ross**, University of Western Ontario
Discovering Information Through Sense-Making: Developing Theory and Methodology by Understanding Action. **Paul Solomon**, University of North Carolina at Chapel Hill
Using Sense-Making to Study Sense-Making. **Michael Olsson**, University of Technology, Australia

Monday, 3:30 p.m.

Authenticity: New Personas for Digital Media

This panel approaches the problem of authenticity as the concept is evolving through technological practices. Most debates surrounding this evolution have proceeded from a naturalized definition of authenticity, a definition largely founded on the printed word tradition and the principle that faithfulness to the written word is paramount, while stylistic modifications to the form of documents are acceptable.

You will learn about

- New electronic documentary practices that challenge the naturalized definition of authenticity
- How concepts of authenticity evolve in conjunction with such practices
- New rules and conventions for defining authenticity in given areas of documentary practices or from multidisciplinary research efforts

PRESENTERS

Jean-Michel Salaün, Ecole Nationale Supérieure des Sciences de l’Information et des Bibliothèques
Bruno Bachimont, Université de Technologie de Compiègne and Institut National d’Audiovisuel
Jean-François Blanchette, University of California at Los Angeles
Bonnie Mak, University of British Columbia

Monday, 3:30 p.m.

Dimensions of the Invisible College (Papers)

- *Going Beyond Counting First Authors in Author Co-citation Analysis.* **Dangzhi Zhao**, University of Alberta
- *Intellectual Structure and Subject Themes in Information Systems Research: A Journal Cocitation Study.* **Linda S. Marion, Concepcion S. Wilson** and **Mari Davis**, all of University of New South Wales
- *Q-measures for Binary Divided Networks: An Investigation within the Field of Informetrics.* **Ronald Rousseau**, University of Antwerp

MODERATOR: Katherine McCain, Drexel University

Monday, 3:30 p.m.

New Developments in Information Retrieval (Papers)

- *How the Overlap Between the Search Results of Different Retrieval Systems Correlates with Document Relevance.* **Anselm Spoerri**, Rutgers University
- *Toward a Unified Retrieval Outcome Analysis Framework for Cross Language Information Retrieval.* **Jiangping Chen**, University of North Texas
- *Cross Validation of Neural Network Applications for Automatic New Topic Identification.* **H. Cenk Özmutlu** and **Fatih Çavdur**, Uludag University; **Amanda Spink**, University of Pittsburgh; and **Seda Özmutlu**, Uludag University

Monday, 3:30 p.m.

Collaboration in Digital Libraries: Luminous Ideas from Health Informatics, Academic Libraries and Historical Archives (SIGs/KM & DL)

Numerous success stories have resulted from recent efforts to develop digital libraries in science and academia. Participants on this panel will share their professional and personal experiences in the development and maintenance of digital libraries, describing how to apply methodologies, processes and workflow representations of collaboration to digital library creation and maintenance in various domains. Presenters will discuss how to collect or harvest digitized artifacts in a collaborative process that supports contributor, contribution and the metadata; how knowledge managers improve access for contributors, users and librarians; and if the collaboration itself can be measured. The panelists will share what they have learned putting digital information technology and research concepts into practice in three very different domains.

PRESENTERS

Timothy Patrick, University of Missouri-Columbia
Sue Cody, University of North Carolina at Wilmington
Anita S. Coleman, University of Arizona
Emily Gore, East Carolina University
MODERATOR: Deborah E. Swain, North Carolina Central University

Monday, 3:30 p.m.

Poster Session A: Users and Behavior, continued

Authors present 3:00 - 3:30 p.m.; 5:00 - 5:30 p.m.

Monday, 6:30 p.m.

Alumni Reception

Monday, 8:00 p.m.

International Reception

TUESDAY, NOVEMBER 1

Tuesday, 8:00 a.m.

Poster Session B: Content and Systems

Authors present 8:00-8:30 a.m.; 10:00-10:30 a.m.

Artistic Aspects of Information Retrieval Systems. **Guoliang Shi**, Nanjing University

Explorations in Bibliometric Historiography: The (Re)Emergence of Neural Networks, 1980-1991. **Katherine W. McCain**, Drexel University

Explorations in Bibliometric Historiography: C. H. Waddington and the Rise of Evolutionary Developmental Biology. **Katherine W. McCain**, Drexel University

An Adaptive Model for Phonetic String Search. **Gong Ruibin** and **Chan Kai Yun Tony**, both of Nanyang Technical University

Automatic Evaluation of Credibility on the Web. **Marcus Wassmer** and **Caroline M. Eastman**, both of University of South Carolina

Geographical Representation of Library Collections in WorldCat: A Prototype. **Lynn Silipigni Connaway**, **Clifton Snyder** and **Lawrence Olszewski**, all of OCLC

Interoperability Strategies for Scientific Cyberinfrastructure: Research and Practice. **Karen S. Baker**, **David Ribes** and **Florence Millerand**, all of University of California at San Diego; and **Geoffrey Bowker**, Santa Clara University

Four-Perspective Model for Metadata Requirements Engineering. **Jung Sun Oh**, **Sheila O. Denn** and **Maria Cristina Pattuelli**, all of University of North Carolina at Chapel Hill

Digital Resources for Dentistry Database: A Needs Assessment. **Stephen Paling** and **Melissa Miszkiewicz**, University of Buffalo

The Angiosperm Phylogeny Website – A Tool for Reference and Teaching in a Time of Change. **Peter F. Stevens** and **Hilary M. Davis**, both of North Carolina State University

Policy Capturing Models for Multi-faceted Relevance Judgments. **Xiaoli Huang** and **Ryen W. White**, both of University of Maryland

Meeting the Demands of Digital Scholarship: Challenges and Opportunities. **Daniel Gelaw Alemneh**, **Cathy Nelson Hartman** and **Samantha Kelly Hastings**, all of University of North Texas

The Emergence of Data Archiving Activities in Daily Scientific Practice: Preliminary Analysis of a Shared Neuroscience Data Repository. **Melissa H. Cragin**, University of Illinois at Urbana-Champaign

Automated Analysis of Database Usage Logs in a Metasearch

Environment: The Library of Texas Experience. **Fatih Oguz**, University of North Texas

Toward Information Retrieval Web Services for Digital Libraries. **Yueyu Fu**, **Javed Mostafa** and **Weimao Ke**, all of Indiana University

Inter-database Annotation Linkages in Model Organism Databases. **W. John MacMullen**, University of North Carolina at Chapel Hill

Information Science Practice in a Historical Perspective: Preliminary Findings of an Oral History Project. **Ellen Pozzi** and **Marija Dalbello**, Rutgers University

Metadata as Infrastructure: What, Where, When and Who. **Michael K. Buckland** and **Ray R. Larson**, University of California at Berkeley

Trouble Ahead: Propositional Attitudes and Metadata. **Allen Renear** and **Yunseon Choi**, both of University of Illinois at Urbana-Champaign

The Effect of Document Readability on Perceived Familiarity and Relevance. **Gheorghe Muresan**, **Lu Liu**, **Michael Cole**, **Catherine L. Smith** and **Nicholas J. Belkin**, all of Rutgers University

An Annotation Paradigm: The Social Hyperlink. **Thomas Cizek** and **Xin Fu**, both of University of North Carolina at Chapel Hill

Searching the "Deep" Web for Medical Information: Reflections for a Healthcare Information Professional. **Angela Heath**, Long Island University

What Type of Page is This? Genre as Web Descriptor. **Mark A. Rosso**, University of North Carolina at Chapel Hill

Research Classics and Citation Analyses. **Peiling Wang** and **Jennifer Bownas**, both of University of Tennessee

From Spam Filtering to Information Retrieval and Back: Seeking Conceptual Foundations for Spam Filtering. **Christopher Lueg**, University of Technology, Sydney

Automatic Subject Heading Assignment for Online Government Publications Using a Semi-supervised Machine Learning Approach. **Xiao Hu**, **Larry Jackson**, **Sai Deng**, **GuiXian Lin** and **Jing Zhang**, all of University of Illinois at Urbana-Champaign

The Power of Selection: Comparing Selection Practices for Web-Based Government Publications in State Depository Library Programs. **Chi-Shiou Lin** and **Kristin R. Eschenfelder**, both of University of Wisconsin-Madison

Consumer Health Digital Divide: A Research Agenda for Studying Inequality in Online Health Information Access and Use. **Jing Chong**, Pennsylvania State University

ASIS to ASIS&T: Has There Been a Change in the Conference Content?

Maureen L. Mackenzie, Dowling College

Web Hyperlink Profiles of News Sites: A Comparison of Newspapers of USA, Canada and China. **Yijun Gao** and **Liwen Vaughan**, University of Western Ontario

Tuesday, 8:30 a.m.

Emotional Design: Affective Information Behavior Research with Adult and Child Populations (SIG/USE)

"Emotions, we now know, change the way the human mind solves problems – the emotional system changes how the cognitive system operates." (Norman, 2004: 18). Affective variables drive cognitive information behavior through a person's interests, motivation, feelings and persistence. Recent research suggests that uncertainty contributes to cognitive load and negatively affects success, while optimism positively affects it. Therefore, a focus on the interaction of affect and cognition – particularly, studies examining the varieties of affect that arise in different situations and their impact on cognition – is necessary to understand the information behavior of various groups.

You will learn about

- Emotion in international children's use of cross-cultural interfaces
- Emotional metadata of children
- Information behavior in everyday life
- Affective load in information tasks

PRESENTERS

Diane Nahl, University of Hawaii at Manoa

Dania Bilal, University of Tennessee at Knoxville

Allison Druin, University of Maryland

Karen Fisher, University of Washington

Tuesday, 8:30 a.m.

Lost in Translation? Applying Information Behavior Research to Information Systems Design (SIG/USE with SIGs/DL & HCI)

Information behavior research can provide a rich understanding of the context in which information systems are used and the tasks that need to be supported by information systems. This research can also provide insight into how users perceive and interact with information during the search process and the impact that user interface design has on that interaction. Why then does it seem that something is lost in translation between research results and information systems design? This panel focuses on the gap between research on information seeking and use and its application to systems design.

You will learn about

- The gap between research and design practice and how it can be characterized
- Obstacles to applying information behavior research to system design
- Role of information behavior research in development projects and how research results can more effectively benefit system design
- Researchers' involvement in influencing design
- The need to improve communication between information behavior researchers and others involved in the design of information systems

PRESENTERS

Sanda Erdelez, University of Missouri-Columbia

David Hendry, University of Washington

Sandra Hirsh, Microsoft Corporation

Gary Marchionini, University of North Carolina at Chapel Hill

MODERATORS: Tom Burton-West, Getty Research Institute, and **Ruth**

Vondracek, Oregon State University

Tuesday, 8:30 a.m.

International Standards Developments (ASIS&T Standards Committee and SIGs/III & LT)

Information has no borders. In a world that thinks globally, our information standards – which enable resource sharing, collaboration and interoperability – must be consistent at the international level. This panel will describe how international standards are developed, who the players are, what issues and challenges face us and how ASIS&T members can be involved

PRESENTERS

Sally McCallum, Library of Congress

Herbert Van de Sompel, Los Alamos National Laboratory

Tuesday, 8:30 a.m.

Ontological Research and Its Applications to the Biomedical Domain (SIGs/CR & MED)

In computer and information science, ontology – the science of "what is, of the kinds and structures of objects, properties, events and relations in every area of reality" (Smith & Welty, 2001) – represents the common understanding and concepts related to a specific domain. Among the advantages of using ontologies is to present the shared view of the knowledge of a domain; to provide computer systems with a way to specify concepts; to allow interoperability and reusability; and to represent a way to relate the concepts expressed in our computer information systems with the real objects that they represent. This panel will present a general overview of the current issues on ontological research and its applications in biomedicine.

PRESENTERS

Miguel E. Ruiz, University at Buffalo, SUNY

Padmini Srinivasan, University of Iowa

Olivier Bodenreider, National Library of Medicine

TBA, National Center for Ontological Research-Buffalo

Tuesday, 8:30 a.m.

Implementing and Evaluating DLs (Papers)

- *From Prototype to Deployable System: Framing the Adoption of Digital Library Services.* **Leonard W. D'Avolio**, **Christine L. Borgman**, **Leslie Champeny**, **Gregory H. Leazer**, **Anne J. Gilliland** and **Kelli A. Millwood**, all of University of California at Los Angeles
- *An Extensible Approach to Interoperability Testing: The Use of Special Diagnostic Records in the Context of Z39.50 and Online Library Catalogs.* **William E. Moen**, University of North Texas; **Sebastian Hammer** and **Mike Taylor**, Index Data, Copenhagen, Denmark; **Jason Thomale** and **JungWon Yoon**, University of North Texas
- *Developing Multi-Method, Iterative and User Centered Evaluation Strategies for Digital Libraries: Functionality, Usability and Accessibility.* **John T. Snead**, **John Carlo Bertot**, **Paul T. Jaeger** and **Charles R. McClure**, all of Florida State University

Tuesday, 10:30 a.m.

College Students' Information Behaviors (Papers)

- *Conflicting Approaches to User Information Seeking Education in Scandinavian Web-Based Tutorials.* **Olof Sundin**, Goteborg University
- *What Students Say They Know, Feel and Do About Cyber-Plagiarism and Academic Dishonesty? A Case Study.* **Zorana Ercegovac**, University of California at Los Angeles
- *A Phase-Model of the Cross-Cultural Learning Process of LIS International Doctoral Students.* **Bharat Mehra**, University of Tennessee

Tuesday, 10:30 a.m.

Reading and Annotation (Papers)

- *Navigational Characteristics of e-Document Readers*. **Asim Qayyum** and **Igor Bilykh**, both of University of Toronto
- *Annotating the Web: An Exploratory Study of Web Users' Needs for Personal Annotation Tools*. **Xin Fu, Tom Ciszek, Gary Marchionini** and **Paul Solomon**, all of University of North Carolina at Chapel Hill
- *Annotation as Process: A Vital Information Seeking Activity in Historical Geographic Research*. **Mary B. Ruvane**, University of North Carolina at Chapel Hill

Tuesday, 10:30 a.m.

Making of the ASIS&T Digital Library

In planning for its digital library, the American Society for Information Science and Technology decided to include all of its publications in searchable full-text mode. That meant that all documents, Journal articles, Annual Meeting Proceedings, issues of the *Bulletin of the American Society for Information Science and Technology*, copies of Annual Review of Information Science and Technology and the ASIS&T Thesaurus needed to be captured to the same XML standard from a wide variety of original formats, both paper and digital. Participants in this session will outline the process for the digitization, the software used, the production process and the verification programs employed to insure a seamless load of the data to the Digital Library Site on the Wiley InterScience Platform.

You will learn about

- Adapting SGML DTD to XML
- Applying keywords from a taxonomy for enhanced retrieval
- Outlining a real production process for XML document conversion

PRESENTERS

Marjorie Hlava, Access Innovations
Annette Grant, Access Innovations
Alice Redmond Neal, Access Innovations

Tuesday, 10:30 a.m.

Personal Information Management in the Present and Future Perfect: Reports from a Special NSF-Sponsored Workshop (SIGs/CR & USE)

Personal information management (PIM) is attracting increasing attention as an area of study. In the ideal world, we have the right information at the right time, in the right place, in the right form and of sufficient completeness and quality to perform the current activity. Before this ideal is reached, however, significant challenges in both the practice and the study of PIM must be met.

The members of this panel were among a variety of researchers invited by the National Science Foundation to discuss PIM as a field of inquiry. They will discuss the workshop and encourage interaction among themselves and with the audience.

PRESENTERS

Marcia J. Bates, University of California at Los Angeles
Nicholas Belkin, Rutgers University
Harry Bruce, University of Washington
William Jones, University of Washington
Cathy Marshall, Microsoft Research
Ofer Bergman, Tel Aviv University

Tuesday, 10:30 a.m.

Evaluating Success in Search Systems (SIGs/Metric, DL, KM & USE)

For the better part of half a century, information scientists have sought effective means for measuring success in information retrieval (IR) systems. Yet, for all the effort, we are no closer to an operational definition of user

relevance; no closer to operationalizing its indicators; and, thus, no closer to determining how to measure the success of the many IR systems in use.

This panel will focus on current and emerging methodologies for collecting, analyzing and reporting findings from IR system evaluations with a view toward valid and reliable measures of search success.

You will learn about

- Processes and tools for adding greater diversity to study populations, increasing the sample size and simplifying the research study process
- Methods for decreasing the lag time between data collection and data analysis
- Metrics, challenges and methods to address these challenges in studies of IR systems in context

PRESENTERS

Elaine G. Toms, Dalhousie University
Bernard J. Jansen, Pennsylvania State University
Gheorghe Muresan, Rutgers University

Tuesday, 10:30 a.m.

Poster Session B: Content and Systems, continued

**Tuesday, Noon
Awards Luncheon**

Tuesday, 1:30 p.m.

Information Seeking Behavior in Epistemological Light (SIG/USE)

This session focus on epistemological issues related to information behavior, emphasizing the importance of interpretative and social approaches to the investigation of information seeking and utilization.

PRESENTERS

Ian Cornelius, University College, Dublin
Birger Hjørland, Royal School of Library and Information Science, Copenhagen
Joacim Hansson, University College of Borås, Sweden
Olof Sundin, University College of Borås, Sweden

Tuesday, 1:30 p.m.

Progress in the Design and Evaluation of Digital Libraries: Implications for Research and Education (SIG/DL)

This program will advance our understanding of the various approaches for designing and evaluating digital libraries and discuss the implications of these efforts for digital library research and education.

You will learn about

- The creation, design and management of Digital Library of Information Science and Technology, an open access archive
- A set of services built to extend and evaluate the basic functionality of the National Digital Newspaper Program
- The NSF National Science Digital Library (NSDL) Educational Impact and Evaluation Standing Committee's efforts in the area of evaluation, as well as a detailed description of the evaluation design and results of one NSDL project
- An analysis of how digital libraries have been evaluated and discuss the implications of these studies for future DL research and education

PRESENTERS

Robert Allen, Drexel University
Anita Coleman, University of Arizona
Laura Bartolo, Kent State University
Ingrid Hsieh-Yee, Catholic University of America
ORGANIZER: Kyung-Sun Kim, University of Wisconsin-Madison

Tuesday, 1:30 p.m.

Managing and Disseminating Scientific Data and Information: A Technical Discussion (SIG/STI)

PRESENTERS

Jian Qin, Syracuse University
Julie Esanu, US National CODATA Committee
Joe Futrelle, National Center for Supercomputing Applications
Others TBA

Tuesday, 1:30 p.m.

Metadata Quality and Evaluation (SIG/CR)

Two fundamental questions driving research in metadata quality and evaluation are “What is quality metadata?” and “How do we measure metadata quality?” Despite difficulty in defining *quality*, researchers continue to offer both definitions and measures. Many current initiatives will be addressed during this session.

You will learn about

- How metadata specialists (library catalogers) utilize available rich content designation for MARC bibliographic records
- Means for comparing metadata generated by resource authors, automatic metadata generation applications and professional metadata creators
- Two National Science Foundation National Science Digital Library (NSF-NSDL) metadata projects

PRESENTERS

William E. Moen, University of North Texas
Jane Greenberg, University of North Carolina at Chapel Hill
Elizabeth D. Liddy, Syracuse University
Marcia Zeng and **Bhagirathi Subrahmanyam**, Kent State University

Tuesday, 1:30 p.m.

New Scholars: Student Paper Award Recipients (SIG/ED)

This session showcases new information science scholars, as recipients of the Society’s three prestigious student awards are invited to present their work.

PARTICIPANTS

Pratt-Severn Best Student Research Paper Award recipient
 ISI Dissertation Proposal Scholarship recipient
 ProQuest Dissertation Award recipient

MODERATOR: Barbara Wildemuth, University of North Carolina at Chapel Hill

Tuesday, 1:30 p.m.

Poster Session B: Content and Systems, continued

Authors present 3:00 - 3:30 p.m.; 4:30 - 5:00 p.m.

Tuesday, 3:30 p.m.

ASIS&T Annual Business Meeting

Tuesday, 5:00 p.m.

Information Grounds and Everyday Life (SIGs/USE, HCI & TIS)

“Information grounds” were identified by Pettigrew (1999) as synergistic “environment[s] temporarily created when people come together for a singular purpose but from whose behavior emerges a social atmosphere that fosters the spontaneous and serendipitous sharing of information.” Subsequent research by others has further refined the concept of information grounds. Panelists will discuss information grounds in the context of four distinct populations/settings: (1) baby story times in Canadian public libraries, (2) Seattle’s Polish

community, (3) Hispanic farm workers in Yakima Valley, Washington, and (4) college students. In addition, the panel will look at the Virtual Jaamati project, which uses location-specific computing to facilitate information grounds at coffee shops.

PRESENTERS

Lynne McKechnie, University of Western Ontario
Tom Dobrowolsky, University of Washington
Betty Marcoux, University of Washington
Karen E. Fisher and **Charles Naumer**, both of University of Washington
C.A. Burrell, University of Washington
ORGANIZER: Karen E. Fisher, University of Washington

Tuesday, 5:00 p.m.

Usability Engineering and Evaluation Models of Practice: Who Does What, When, Where and Why? (SIGs/DL & HCI)

Acknowledging the importance of the principles of user-centered design, more and more organizations look to incorporate usability engineering and testing in their design and evaluation processes, often utilizing internal resources. While many agree on the importance of usability, there are a wide variety of models of practice: single professional vs. team approach; informal vs. highly structured. Is one approach better than another? This panel will discuss how usability engineering and testing are conducted in the design and evaluation of digital libraries at several different organizations, both public and private. The benefits and drawbacks of various models will be discussed.

PRESENTERS

Bill Thomas, Library of Congress
Michelle Rago, Library of Congress
Chris Testa, Library of Congress
Jeri Ann Payne, Sirsi Corporation
Carol Stennett-Sherman, Sirsi Corporation
Teal Anderson, Johns Hopkins University
Andrew Dillon, University of Texas at Austin
ORGANIZER: Brian Hilligoss, University of North Carolina at Chapel Hill

Tuesday, 5:00 p.m.

Organizing the Concepts of Science: Science Ontologies and the Semantic Web (SIG/STI)

An ontology is an explicit, formal representation of the concepts, objects or other entities in a particular domain and the relationships among them. These advanced knowledge organization structures are increasing in number and relevance as computer-to-computer processing of information becomes more prevalent. This session focuses on ontologies in three specific science domains where research is meeting practice. Each case study will describe the ontologies in the domain; discuss development and implementation methodologies and technologies; identify issues; and discuss methods being developed to increase interoperability and integration of multiple ontologies.

PRESENTERS

Ralph Hodgson, TopQuadrant, Inc.
Harold Solbrig, Mayo Clinic
Dagobert Soergel, Food and Agriculture Organization, United Nations
MODERATOR: Gail Hodge, Information International Associates, Inc.

Tuesday, 5:00 p.m.

Metadata and Ontologies (Papers)

- *A Hybrid Approach to Faceted Classification Based on Analysis of Descriptor Suffixes.* **Aaron Loehrlein, Elin K. Jacob, Kiduk Yang, Seungmin Lee** and **Ning Yu**, all Indiana University
- *Ontology-Driven Knowledge Organization – Enhancing UDDI Web services in Korea Using Topic Maps.* **Sam Gyun Oh**, Sungkyunkwan University; **Eun Chul Lee** and **Oknam Park**, both of University of Washington; and **Myongho Yi**, Florida State University
- *MARRT: Using Induced Knowledge Base to Automatically Mark up Plant Taxonomic Descriptions with XML.* **Hong Cui**, University of Western Ontario

Tuesday, 5:00 p.m.

Distance Education: How Are We Doing, and How Do We Know? (SIG/ED)

Almost half of the schools listed in the ALA directory of accredited master's programs in library and information science allow students to complete their degrees either wholly or substantially online. A similar (not necessarily overlapping) number offer courses in locations remote from their main campuses. With distance education now a major factor in library and information science education, the question shifts from "should we do distance education" to "how are we doing, and how can we do it better." Panelists from institutions that have pioneered distance education in library and information science will discuss what the data tells us about

the programs' successes and failures; how distance education activities are evaluated; and if we have comparative results with traditional programs.

PRESENTERS

- Vicki Gregory**, University of South Florida
- Rae-Ann Montague**, University of Illinois at Urbana-Champaign
- June Lester**, University of Oklahoma
- MODERATOR: Sam Hastings**, University of North Texas

Tuesday, 5:00 p.m.

Doctoral Seminar on Research and Career Development (SIG/ED)

The Doctoral Seminar on Research and Career Development provides an opportunity for a group of invited doctoral students to consider their current and future research plans and potential career paths with their peers and with senior scholars working in related areas. Student participants are selected from those submitting proposals for the ISI Doctoral Dissertation Scholarship and dissertations for the ProQuest Doctoral Dissertation Award. This session is open only to invited participants.

Tuesday, 5:00 p.m.

Poster Session B: Content and Systems, continued

Tuesday, 8:00 p.m.

SIG CON

WEDNESDAY, NOVEMBER 2

Wednesday, 8:30 a.m.

Studies of Searching Behaviors (Papers)

- *Searching the Intranet: Corporate Users and Their Queries.* **Dick Stenmark**, Gothenburg University
- *An Analysis of Repeat Users of Vivisimo.com.* **Bernard J. Jansen**, Pennsylvania State University; and **Sherry Koshman** and **Amanda Spink**, both of University of Pittsburgh
- *Finding Documents in a Digital Institutional Repository: DSpace and Eprints.* **Jihyun Kim**, University of Michigan

PRESENTERS

- Samantha K. Hastings**, University of North Texas
- Wooseob Jeong**, University of Wisconsin
- Ray Uzwyshyn**, University of Miami
- MODERATOR: Diane Neal**, Texas Woman's University

Wednesday, 8:30 a.m.

Information Visualization: From Conceptual Theory to Digital Implementation

Information visualization allows the exploration of large sets of non-linear paradigms for the organization of a wider spectrum of media elements (i.e., video, visual images, sound, datasets). Information visualization in the form of 2D and 3D objects and environments has been moving from conceptual theory to digital implementation. The panelists represent different projects that have brought theory into implementation and will share information, demonstrations and results.

You will learn about

- The Sepia Photo Archive at the University of North Texas
- New initiatives and projects that widen the boundaries of information visualization in higher academic research and possibilities of interactive online media
- The combination of 3D visualization environments and collaborative media tools to create 3D online learning environments
- Issues of multimodality

Wednesday, 8:30 a.m.

Medical Informatics in Context (SIG/MED)

Medical informatics may be defined as "the application of information science and information technology to the theoretical and practical problems of biomedical research, clinical practice and medical education." Medical informatics has become increasingly important as a unifying force among cognate and contributory fields in biomedicine and information science. Accordingly, increasing numbers of knowledge workers are involved in or affected by medical informatics-related programs and activities. This program will provide an overview of the field of medical informatics and illustrate how it fits in with other knowledge domains with panelists discussing the roles and relationships among medical informatics, bioinformatics, information science and medical librarianship.

PRESENTERS

- Michelynn McKnight**, Louisiana State University
- Soroya Assar**, ECLIPSYS Corp.
- Ellen Detlefsen**, University of Pittsburgh
- MODERATOR: Theodore A. Morris**, Kent State University

Wednesday, 8:30 a.m.

Business Case Studies in Knowledge Management (SIG/KM)

PRESENTERS

- Brien Boswell**, Bank of America, Charlotte, North Carolina
- John McIntyre** and **Antonio Hill**, SAS, Cary, North Carolina
- Skip Boettger**

Wednesday, 8:30 a.m.

Cross-Cultural Analysis of Virtual Reference (SIGs/TIS & III)

Virtual reference and its potential for collaboration – particularly in a global context for international collaboration – is an emerging area of interest for both researchers and practitioners. Studies in this area, however, largely represent experiences in Anglo-American countries and are discussed and presented mainly at conferences in the United States. The generalization of findings in these studies to other countries should be made with caution as communication is culturally embedded, and communication during the online reference transaction is no exception. Thus, virtual reference may significantly differ from one country to another, yet little attention has been given to the impact of cross-cultural (inter-cultural and intra-cultural) communications on reference transactions. In an effort to bridge this gap, this panel will present a series of virtual reference case studies from Middle Eastern and Far Eastern countries to identify similarities and differences.

PRESENTERS

Pnina Shachaf, Indiana University
Noriko Hara, Indiana University
Lokman Meho, Indiana University
Nahyun Kwon, University of South Florida
Bin Li, University of North Carolina at Chapel Hill
Yukiko Sakai, Keio University Shinanomachi Media Center, Japan
MODERATOR: David Lankes, Syracuse University

Wednesday, 10:30 a.m.

A Perfect Storm for Intranet Search: How One Company Navigates

A *perfect storm* has formed in the intranet search space, where information is doubling yearly, no usable metadata exists and search users' expectations continue to increase. New information repository types, collaboration methods and security protocols complicate the design of a comprehensive solution. Over the past two years, the moderator and participants collaborated to lead the successful design, development and deployment of intranet search and browse capabilities for a large manufacturing organization. Significant lessons learned inform researchers and implementers of behind-the-firewall intranet search capabilities and have implications for information retrieval, system recommendations and designs for next-generation digital workspaces.

SPEAKERS AND PRESENTERS

Breanna Anderson, SchemaLogic Corporation
Kevin Lynch, Raytheon Corporation
Beth Loring, Bentley College
Christine Connors, Raytheon Corporation
Jule Zacher, Verity Corporation
Manya Kapikian, Raytheon Corporation
MODERATOR: J. Gregory Moxness, Raytheon Corporation

Wednesday, 10:30 a.m.

Towards a Research Agenda for Visual Informatics (SIGs/VIS & CR)

Visual informatics refers to visualization of and interaction with very large data sets, including both text and numeric data, chemical and molecular structures, and genome sequences. As such, it follows the widespread definition of *informatics* as being “the study of the application of computer and statistical techniques to the management of information,” or more popularly, “computer science + X.”

This panel proposes refocusing the concept of visual informatics and explores the expansion of the range of research which visual informatics can address. It looks to the larger concept of media informatics where information and communication technologies expand to include multiple

modalities of interaction within systems, organizations and cultures. The panel format will include several presentations on the topic based on discussions that will take place in advance of the meeting with the presenters and interested others conversing on the weblog of ASIS&T SIG/VIS (<http://informationvisualization.typepad.com>).

PRESENTERS

Kenneth Fleischman, Florida State University
Karl Fast, University of Western Ontario
Alison von Eberstein, Florida State University
Peter Jörgensen, Florida State University
MODERATOR: Corinne Jörgensen, Florida State University

Wednesday, 10:30 a.m.

Finding and Using Medical Information (Papers)

- *Finding Nutrition Information on the Web: Coverage vs. Authority.* **Susan G. Doran**, University of South Carolina; **Samuel de Ycaza**, Claflin University; **Caroline M. Eastman**, University of South Carolina; and **Bernard J. Jansen**, Pennsylvania State University
- *Reading and Navigational Strategies of Web Users with Lower Literacy Skills.* **Michael Summers**, Nielsen Norman Group, and **Kathryn Summers**, University of Baltimore
- *“Information Work” and Chronic Illness: Interpreting Results from a Nationwide Survey of People Living with HIV/AIDS.* **Timothy P. Hogan** and **Carole L. Palmer**, both of University of Illinois at Urbana-Champaign

Wednesday, 10:30 a.m.

Building Business Bridges: Useful Knowledge Management Practices for Both Libraries and Corporate Organizations (SIG/KM & MGT)

Knowledge management is seen as a systems and management approach to information assets; therefore, knowledge managers require skills in both technology and business. But how is value measured? What KM practices support improving decision-making? Similar organizational and technical goals help bridge the practices used in libraries with those used in corporations and special libraries. This panel brings together experts from both the business world and academia to discuss the synergies possible when businesses and libraries tackle the objective of making high-value information assets available for the broad range of users making decisions.

PRESENTERS

Claire McInerney and **Stew Mohr**, both of Rutgers University
Joshua Cohen, Knowledge Management Consultant
MODERATOR: Bill Edgar, University of Arizona

Wednesday, 10:30 a.m.

Cross-Cultural Issues in User Learning and the Design of Digital Interfaces (SIGs/III, DL & USE)

What role does culture play in the use and design of system interfaces? How does culture impact the education and training of information professionals? The panelists present analyses from their research on culture and its impact on information seeking, user interface design, usability, digital library development, and library and information science education.

PRESENTERS

Cross-Cultural Use of Digital Libraries by Children in Arabic-Speaking Countries. **Dania Bilal**, University of Tennessee
Digital Libraries as Cultural Ambassadors. **Nadia Caidi**, University of Toronto, and **Anita Komlodi**, University of Maryland, Baltimore County
Examining the Culturalist Perspective in the Context of National Culture and Digital Library Development. **Marija Dalbello**, Rutgers University
Socio-Technical Development of Digital Libraries in the Cross-Cultural Learning Process: A Critical Perspective. **Bharat Mehra**, University of Tennessee

Wednesday, 1:30 p.m.

Plenary Session: Pattie Maes

Pattie Maes, associate professor in MIT's Program in Media Arts and Sciences, founded and directs the Media Lab's Ambient Intelligence research group. Her areas of expertise are human-computer interaction, artificial life, artificial intelligence, collective intelligence and intelligence augmentation. Among many awards and honors she has received are *Newsweek* magazine recognition as one of the "100 Americans to watch for" in the year 2000; *Time Digital* selection as a member of the Cyber-Elite, the top 50 technological pioneers of the high-tech world; World Economic Forum's "Global Leader for Tomorrow" title; and Massachusetts Interactive Media Council recognition in 2000 with the "Lifetime Achievement Award."

Wednesday, 3:30 p.m.

Use of Classification in Information Seeking (SIGs/CR & USE)

The most popular method of subject searching is to enter verbal descriptions that may be part of natural language or a controlled vocabulary. The less-popular approach, virtually abandoned by libraries around the world, is searching through classifications or classification-like schemes that provide links among closely associated, hierarchically arranged topics. Classification researchers, however, recognizing the power and potential of classification in information retrieval, have expanded their research agenda and broadened applications of classification in a variety of environments. Yahoo and other Internet search services, particularly, offer so-called directories that resemble classification schemes in their hierarchical approach to organizing information. It is the increasing application of classification-like arrangements on the Internet and in other retrieval systems that leads to the questions addressed in this panel.

You will learn about

- Classification-like schemes that facilitate information seeking in various information environments
- Circumstances in which users take advantage of this type of scheme in searching
- Navigation of classificatory or hierarchical structures
- Challenges faced in navigating classificatory structures

PRESENTERS

Barbara H. Kwasnik, Syracuse University
Joseph A. Busch, Taxonomy Strategies
Allyson Carlyle, University of Washington
Hur-Li Lee, University of Wisconsin-Milwaukee
MODERATOR: Jens-Erik Mai, University of Washington

Wednesday, 3:30 p.m.

Examining Design Threads: Issues in Web Design Across Student Populations

According to Teenage Life Online, the Internet has become a major factor in the lives of most families. About 17 million youth aged 12 through 17 years are Internet users, and for most, the Web has all but replaced the library as their primary tool for conducting research on significant problems. Although it is generally easy to make educational content accessible online, it is also easy to overlook users' needs and create websites that contain information that users overlook or purposely avoid. We need to further our understanding of students' strong attraction to the electronic environment and learn to design systems that will encourage learners to connect to meaningful learning experiences. Participants in this session will provide highlights of the information and design needs of specific student populations.

PRESENTERS

Joette Steff-Mabry, University at Albany, and **Michael Radlick**, Learning Technology Visions, LLC
Allison Druin, University of Maryland
Dania Bilal, University of Tennessee
Thomas Mackey, University at Albany
Carol Doll, University at Albany
Diane Nahl, University of Hawaii at Manoa

Wednesday, 3:30 p.m.

Improving Access to Health Information: Digital Libraries for the Health Sciences (SIGs/MED & DL)

Access to health information is important for consumers and health professionals alike, yet various obstacles often prevent users from finding the information they seek. Both researchers and practitioners are studying information-seeking behaviors of user groups and looking at how user interfaces may be improved to support these behaviors. Panelists will report on system evaluation efforts and empirical studies of user behavior and will demonstrate innovative user interfaces that provide alternative approaches to health information.

PRESENTERS

Lisa M. Given, University of Alberta
Elizabeth Sadler, University of Alberta
Debra S. Ketchell, Stanford University
Steven MacCall, University of Alabama
ORGANIZERS: Dongming Zhang, Johns Hopkins School of Medicine, and **Brian Hilligoss**, University of North Carolina at Chapel Hill

Wednesday, 3:30 p.m.

Knowledge Management Practices in Organizations Undergoing Fundamental Change (SIG/MGT)

A panel of experts will focus on organizational change, managing knowledge, enabling technology and the role of senior management, reflecting both the interests of SIG/Management and the theme of the ASIS&T 2005 Annual Meeting, *Bringing Research and Practice Together*.

PRESENTERS

Brian Detlor, McMaster University, Ontario, Canada
Maureen Mackenzie, Dowling College
Don Turnbull, University of Texas at Austin
MODERATOR: Bill Edgar, University of Arizona

Wednesday, 3:30 p.m.

Multilingual Digital Libraries: Research and Practice (SIGs/III & DL)

This session will focus on important issues in designing and implementing multilingual digital libraries. A group of experts who have both research and implementation experiences with multilingual digital libraries will join the panel.

You will learn about

- Searching a broad range of spoken word multilingual digital collections
- Research and development of a multilingual cross-repository retrieval prototype
- Implementation of an open source digital library system that supports creation of a multilingual digital libraries

PRESENTERS

Douglas Oard, University of Maryland at College Park
Lynne Howarth, University of Toronto
Ian H. Witten, University of Waikato
MODERATOR: Yin Zhang, Kent State University

Wednesday, 6:00 p.m.

Annual President's Reception

program-at-a-glance

SUNDAY						
Track	Information Behavior	Foundations	Social Informatics	Interface Design	MultiMedia/Museums	
1:30 p.m.	Cognitive and Affective Factors in Information Seeking (Papers)	Knowledge Map of Information Science (SIG/HFIS)	How Neutral Can Technology Be? (SIGs/III, IFF, HFIS)	The Design of Novel Interfaces (Papers)	Putting Motion into the Image Retrieval Interface (SIG/VIS)	
3:30 p.m.	Information Seeking in a Social Context (Papers)	The Moral Legitimacy of Intellectual Property and Copyright (SIG/IFP)	Sparking Synergies Between Research and Practice: The Contribution of Social Informatics (SIGs/TIS, CRT)	Envisioning Help Resources for the Future Information Ecology	The Digital Museum in the Life of the User (SIGs/USE, AH, DL, VIS, HCI)	
5:30 p.m.	Leadership Development Program: Keeping on the Same Page: Simply Working Together and Making Your Group Effective and Productive					
6:30 p.m.	Welcome Reception/SIG Rush					
MONDAY						
Track	Information Behavior	Information Resources	Scholarly Work & Scientific Communication	Methods for Studying Online Searching	Digital Libraries	
8:00 a.m.	Digital Reference: Analysis of Its Use	Recent Developments in Electronic Resource Management (SIG/LT)	Understanding the Context of Scholarly Management (Papers)	Establishing a Research Agenda for Studies of Online Search Behaviors (SIG/USE)	Greenstone in Practice (SIG/DL)	Poster Session A (begins at 9:00 a.m.)
10:00 a.m.	Plenary Session: Matthew Szulik					
1:30 p.m.	Understanding the Task (Papers)	Selectivity and Selection of Documents (Papers)	Surveys of Scientists and Engineers (SIGs/STI & USE)	Internet Usage Transaction Log Studies (SIG/USE)	User Services for Digital Libraries	
3:30 p.m.	Dervin's Sense-Making (SIGs/USE & HFIS)	Authenticity: New Personas for Digital Media	Dimensions of the Invisible College (Papers)	New Developments in Information Retrieval (Papers)	Collaboration in Digital Libraries (SIGs/KM, DL)	
6:30 p.m.	Alumni Reception					
8:00 p.m.	International Reception					
TUESDAY						
Track	Information Behavior	Information Design	Standards	Information Organization	Digital Libraries	
8:30 a.m.	Emotional Design (SIG/USE)	Lost in Translation? (SIGs/USE, DL, HCI)	International Standards Development (ASIS&T Standards Committee and SIGs/III, LT)	Ontological Research and Its Applications to the Biomedical Domain (SIGs/CR, MED)	Implementing and Evaluating DLs (Papers)	Poster Session B (begins at 8:00 a.m.)
10:30 a.m.	College Students' Information Behaviors (Papers)	Reading and Annotation (Papers)	Making of the ASIS&T Digital Library	Personal Information Management in the Present and Future Perfect (SIGs/CR, USE)	Evaluating Success in Search Systems (SIGs/Metrics, DL, KM, USE)	
Noon	Awards Luncheon					
1:30 p.m.	Information Seeking Behavior in Epistemological Light (SIG/USE)	Progress in the Design and Evaluation of DLs (SIG/DL)	Managing and Disseminating Scientific Data and Information (SIG/STI)	Metadata Quality and Evaluation (SIG/CR)	New Scholars: Student Paper Award Recipients (SIG/ED)	Poster Session B continues
3:30 p.m.	ASIS&T Annual Business Meeting					
5:00 p.m.	Information Grounds and Everyday Life (SIGs/USE, HCI, TIS)	Usability Engineering and Evaluation Models of Practice (SIGs/DL, HCI)	Organizing the Concepts of Science (SIG/STI)	Metadata and Ontologies (Papers)	Distance Education (SIG/ED)	Poster Session B continues
8:00 p.m.	SIG CON					
WEDNESDAY						
Track	Online Searching Behaviors	Information Design	Medical/Health Information	Knowledge Management	International Issues in Digital Libraries	
8:30 a.m.	Studies of Searching Behaviors (Papers)	Information Visualization	Medical Informatics in Context (SIG/MED)	Business Case Studies in Knowledge Management (SIG/KM)	Cross-Cultural Analysis of Virtual Reference (SIGs/TIS, III)	
10:30 a.m.	A Perfect Storm for Intranet Search	Towards a Research Agenda for Visual Informatics (SIGs/VIS, CR)	Finding and Using Medical Information (Papers)	Building Business Bridges (SIGs/KM, MGT)	Cross-Cultural Issues in User Learning and the Design of Digital Interfaces (SIGs/III, DL, USE)	
1:30 p.m.	Plenary Session: Pattie Maes					
3:30 p.m.	Use of Classification in Information Seeking (SIGs/CR & USE)	Examining Design Threads	Improving Access to Health Information (SIGs/MED, DL)	Knowledge Management Practices in Organizations Undergoing Fundamental Change (SIG/MGT)	Multilingual Digital Libraries (SIGs/III, DL)	
6:00 p.m.	Annual President's Reception					

ASIS&T Governance Activities

Friday, October 28

6:00 p.m.

Budget & Finance Committee Meeting

Saturday, October 29

9:00 a.m.

2005 Board of Directors Meeting

Sunday, October 30

9:00 a.m.

SIG Cabinet

10:30 a.m.

Chapter Assembly

5:30 p.m.

Leadership Development Program

Monday, October 31

SIG Planning Sessions as Scheduled by SIGs and SIG Cabinet Director

12:30 p.m.

Constitution and Bylaws Committee

Education Committee

Nominations Committee

Membership Committee

5:15 p.m.

Student Chapter Advisors

Awards and Honors Committee

Standards Committee

Leadership Development Committee

Tuesday, November 1

SIG Planning Sessions as Scheduled by SIGs and SIG Cabinet Director

7:00 a.m. - 8:15 a.m.

Chapter Assembly Planning Breakfast

3:30 p.m.

Annual Business Meeting

5:30 p.m.

Bulletin Advisory Meeting

Wednesday, November 2

11:30 a.m.

SIG Planning Meeting (All SIGs)

Time TBA

2005 & 2006 Board of Directors Meeting

Social Events

Sunday, October 30

Noon

New Members and First-Time Attendee's Brunch

New ASIS&T members and first-time attendees will receive special invitations to the Newcomers' Brunch. Guests will get a preview of ASIS&T and its meetings and be able to make contacts at the start of the meeting to make the conference experience more enjoyable.

6:30 p.m.

Welcome Reception and SIG Rush

Patterned after the rush parties we remember from our college days, SIG Rush is an open reception at which representatives of the ASIS&T Special Interest Groups (SIGs) are available to discuss the goals and programs of their SIGs. Enjoy delicious appetizers and drinks with your ASIS&T colleagues as we kick off the 68th ASIS&T Annual Meeting.

Monday, October 31

6:30 p.m.

Alumni Reception

Academic institutions share the sponsorship for this informal opportunity to renew relationships with faculty, colleagues, classmates, staff and others.

8:00 p.m.

International Reception

Meet the winner of the SIG/III International Paper Competition and past winners who are at the conference. Contribute to the silent auction by bringing international items that can be sold. Give them to anyone from SIG/III for the auction. All proceeds go to the SIG/III InfoShare program to sponsor international members from developing countries. Sponsored by Elsevier Scientific.

Tuesday, November 1

Noon

Awards Luncheon

Join us in our celebration of the major accomplishments in the field of information science as ASIS&T bestows its prestigious Annual Awards at the Annual Luncheon. One ticket to the luncheon is included with all full conference registrations (including full conference student registrations); additional tickets may be purchased at ASIS&T registration.

8:00 p.m.

SIG CON

Come see the lighter side of ASIS&T! Don't miss this opportunity to see ASIS&T members have fun with information science through parody and satire.

Wednesday, November 2

6:00 p.m.

President's Reception

Visit with friends – old and new – at this gala end-of-the-meeting reception. This is also the venue at which we will announce the winners of the four "secret" awards – Watson Davis, Chapter-of-the-Year, Student Chapter-of-the-Year and SIG-of-the-Year. All registered meeting attendees are welcome. Live entertainment!

registration information

Registration Information: All participants and attendees must register. Conference days are Sunday, October 30, through Wednesday, November 2. Full conference registration includes all technical sessions beginning with the Plenary Session on Sunday at 1:00 p.m., and ending with the President's Reception on Wednesday evening; all social events listed in the program; and one copy of the Proceedings of the Annual Meeting on CD-ROM.

Three Ways to Register:

1. **Online:** All online registrations are secure via the ASIS&T website – www.asis.org – using PGP technology
2. **FAX:** Send your completed registration form with credit card payment information to 301-495-0810.
3. **Mail:** Send your completed registration form (one per registrant) along with a check, money order or credit card information to ASIS&T 2005 Annual Meeting, Dept. 5189, Washington, DC 20061

Early Registration: Early rates will be honored for all registrations postmarked or received online by Friday, September 16, 2005. Late rates apply if received after September 16th.

ASIS&T Sister Societies: Members in good standing of ASIS&T or one of our sister societies – Special Libraries Association (SLA), the Medical Libraries Association (MLA) or the American Association of Law Libraries (AALL) – qualify to register at ASIS&T member rates. Please include the name of your organization and membership number on the registration form to receive the discount.

Daily Rates: If you cannot join us for the entire conference, take advantage of our special daily rates! Early bird and member rates are also available on single-day registrations.

Other Rates: Retiree rates are for ASIS&T retired members only. Student rates are available for both members and non-members.

Pre-Conference Seminars and Workshops: In addition to the technical sessions and social events scheduled on October 30 through November 2, ASIS&T will offer full and half-day seminar courses on Friday and Saturday prior to the start of the conference. Separate registrations and additional fees are required for these courses. If you are registering for a seminar only, you do not have to pay the daily rate registration.

Seminar Discount: If you have never taken a full-day ASIS&T seminar, you may qualify to save an extra \$75 off your total registration fees. You can qualify for this discount only **by registering for the full conference and any full-day seminar (excluding SIG Workshops)**. This offer is not available at student or retiree rates.

Become an ASIS&T Member: If you are not already a member of the ASIS&T family, sign up when you register and you will qualify for the membership rate.

Registration Confirmation: We will mail a written confirmation receipt to anyone who registers by October 14. If you do not receive one within 2 weeks of submitting your registration, please contact us.

On-Site Registration and Check-In: On-site registration will be available at the Westin Charlotte. All registrants must check-in at the ASIS&T registration area to pick up your name badge and conference materials. See below for on-site registration hours.

On-Site Registration Hours: (Subject to change)

Thursday, Oct. 27	3:30 - 5:00 p.m.
Friday, Oct. 28	8:00 - 10:00 a.m., 4:00 - 6:00 p.m.
Saturday, Oct. 29	8:00 - 10:00 a.m., Noon - 2:00 p.m., 4:00 - 7:00 p.m.
Sunday, Oct. 30	8:00 a.m. - 7:00 p.m.
Monday, Oct. 31	7:00 a.m. - 3:00 p.m.
Tuesday, Nov. 1	7:00 a.m. - 3:00 p.m.
Wednesday, Nov. 2	7:00 a.m. - Noon

Cancellations and Refunds: We will honor all cancellation and refund requests **received in writing by Friday, September 23, 2005**. Unfortunately, we cannot issue refunds after this date. All refunds will be subject to a \$50 cancellation fee. Refund checks will be issued six to eight weeks after the conference.

Annual Awards Luncheon and Proceedings: The Annual Awards Luncheon will be held on Tuesday, November 1, at Noon. Anyone registering for the full conference, including students, will receive one admission ticket to the Awards Luncheon and a copy of the *Proceedings* on CD-Rom. Additional luncheon tickets or copies of the *Proceedings* may be purchased on-site. **Luncheon tickets are non-refundable.**

Attire: Business attire is the appropriate dress code for this conference.

A Special Note to the Disabled: ASIS&T is committed to ensuring that no one with a disability is excluded, denied services, segregated or otherwise treated differently from other conference attendees because of the absence of an auxiliary aid or service. If you are in need of such an aid or service as outlined in the Americans with Disabilities Act, please contact ASIS&T headquarters at 301-495-0900 or indicate the necessary items or services on the special needs line of the registration form.

Placement: The Placement Service assists ASIS&T members and meeting attendees in matching job openings with qualified candidates. Whether looking for an entry-level position or a promotion, candidates will find the Placement Service an important element of their job search. Employers will find that ASIS&T members are high quality candidates. This service is free to all participants.

Placement Hours:

Sunday, October 30 (Registration only)	Noon - 5:00 p.m.
Monday, October 31 (Interviews)	9:00 a.m. - 5:00 p.m.
Tuesday, November 1 (Interviews)	9:00 a.m. - 5:00 p.m.

Conference Hotel: The 2005 ASIS&T Annual Meeting will be held at The Westin Charlotte in Charlotte, North Carolina. All conference sessions and events will be held at the conference hotel, unless otherwise noted. Special discount rates are available until October 9, 2005.

The Westin Charlotte
601 South College Street
Charlotte, NC 28202
704-375-2600; Fax: 704-375-2623

Overview: The 700-room Westin Charlotte offers an uptown location in the heart of the city's financial district. A convenient trolley stop whisks guests to the city's hottest dining and entertainment district. All guest rooms and suites feature the Heavenly Bed, dual-line telephones with voice messaging, large work desk, in-room data port, complimentary gourmet coffee, in-room movies and minibar. A full-service concierge and well-equipped business center are available to attend to last-minute details. A gourmet restaurant and an outdoor café are guaranteed to satisfy any palate. A number of attractions are within minutes of the hotel including the shops and restaurants of Historic South End, the Charlotte Convention Center and Bank of America Stadium, home of the Carolina Panthers

Room Rates: \$149 Single/Double

Additional Information:

For more information about the conference or registration please feel free to contact ASIS&T in any of the following ways:

Email: meetings@asis.org

Phone: 301-495-0900

Fax: 301-495-0810

Mail: ASIS&T, 1320 Fenwick Lane, Suite 510, Silver Spring, MD 20910
Maryland Relay Services number for the hearing impaired:
1-800-735-2258

Registration Form

Please visit the ASIS&T website at www.asis.org for complete registration rules and important information regarding the ASIS&T Annual Meeting. Also see Registration Information for ways to submit your registration.

Please print.

<input type="checkbox"/> MR. <input type="checkbox"/> MS.	FIRST NAME	LAST NAME		
ASIS&T (OR SISTER SOCIETY) MEMBER #		MEMBERSHIP GROUP		
NICKNAME (FOR BADGE)	POSITION/JOB TITLE	ORGANIZATION		
ADDRESS	CITY	STATE/PROVINCE	ZIP + 4/POSTAL CODE	COUNTRY
TELEPHONE	FAX	E-MAIL ADDRESS		

Do you have any special needs (wheelchair access, special diet, etc.)? _____

Cancellation Deadline: September 23, 2005. Refund requests must be in writing. No refunds will be issued for requests received after this date. Fees for seminars and additional awards luncheon tickets are non-refundable.

Is this an address change? Yes No Is this your first ASIS&T meeting? Yes No

Registration Categories	Members			Non-Members	
	REGULAR	RETIRED	STUDENT	REGULAR	STUDENT
Full Conference	<input type="checkbox"/> \$390	<input type="checkbox"/> \$195	<input type="checkbox"/> \$160	<input type="checkbox"/> \$550	<input type="checkbox"/> \$215
ICKM	<input type="checkbox"/> \$360	<input type="checkbox"/> \$360	<input type="checkbox"/> \$150	<input type="checkbox"/> \$430	<input type="checkbox"/> \$150
Both ASIS&T & ICKM	<input type="checkbox"/> \$720	<input type="checkbox"/> \$535	<input type="checkbox"/> \$290	<input type="checkbox"/> \$950	<input type="checkbox"/> \$345
Single Day	<input type="checkbox"/> \$195	<input type="checkbox"/> \$97	<input type="checkbox"/> \$60	<input type="checkbox"/> \$335	<input type="checkbox"/> \$105

Single Day Registrations: Please indicate which day(s) you will be attending: Sunday Monday Tuesday Wednesday

Seminars and Workshops	Members	Non-Members
FRIDAY, OCTOBER 28		
Building Digital Library Collections with Open Source Software (9:00 a.m. - 5:00 p.m.)	<input type="checkbox"/> \$265	<input type="checkbox"/> \$295
Theory and Practice of Cognitive Work Analysis: Designing Ecological Designing Ecological Information Systems (9:00 a.m. - 5:00 p.m.)	<input type="checkbox"/> \$265	<input type="checkbox"/> \$295
Information Architecture and Findability (8:30 a.m. - 12:30 p.m.)	<input type="checkbox"/> \$185	<input type="checkbox"/> \$210
Ontology Design Using RDF/OWL and Topic Maps (1:30 p.m. - 5:30 p.m.)	<input type="checkbox"/> \$185	<input type="checkbox"/> \$210
Resolving Taxonomy Challenges and Information Architecture Conflicts (1:30 p.m. - 5:30 p.m.)	<input type="checkbox"/> \$185	<input type="checkbox"/> \$210
SATURDAY, OCTOBER 29		
SIG/CR Workshop (8:30 a.m. - 5:00 p.m.)	<input type="checkbox"/> \$105	<input type="checkbox"/> \$120
Personal Information Management in Theory and in Practice (8:30 a.m. - 12:30 p.m.)	<input type="checkbox"/> \$185	<input type="checkbox"/> \$210
Building Taxonomies for Information Retrieval: A Hands-On Workshop (9:00 a.m. - 5:00 p.m.)	<input type="checkbox"/> \$265	<input type="checkbox"/> \$295
Content Modeling (9:00 a.m. - 5:00 p.m.)	<input type="checkbox"/> \$265	<input type="checkbox"/> \$295
SIG/USE Symposium (1:00 p.m. - 6:00 p.m.)	<input type="checkbox"/> \$70	<input type="checkbox"/> \$85
Taking a New Look at Information Design (1:30 p.m. - 5:30 p.m.)	<input type="checkbox"/> \$185	<input type="checkbox"/> \$210
OTHER EVENTS		
Awards Luncheon Tickets (Tuesday, Noon) 1 ticket included with all full conference registrations	<input type="checkbox"/> \$50	<input type="checkbox"/> \$60
Leadership Development Program (Sunday, 5:30 p.m.)	<input type="checkbox"/> Please check to attend (free)	
Join ASIS&T – Become an ASIS&T member and save!	<input type="checkbox"/> Regular \$140	<input type="checkbox"/> Student \$40
Seminar Discount If you have never taken an ASIS&T full day seminar, you may qualify for a \$75 discount. To qualify, you must register for the full conference and at least 1 full day seminar*. *Half day and SIG workshops do not qualify for this discount.	<input type="checkbox"/> (\$75)	

Payment Information (All registration fees must be paid in full with the registration form.)

Payment type Visa MasterCard American Express

Card Number _____ Exp. Date _____

Signature (only required if faxing or mailing) _____

TOTAL Registration Amount (Subtract applicable discount) _____
