



January 4-7, 2011, The Grand Hyatt Kauai Resort & Spa, Koloa, Kauai, Hawaii.

## **Track: Digital Media: Content and Communication**

### **Minitrack: Information Access & Retrieval: The Web, Users, and HCI**

Information Retrieval supports the computerized search of large document and digital media collections (millions or billions of items) to select small subsets of those documents relevant to a user's information need. Such algorithms are the basis for internet search engines and question-answering systems. In this minitrack we will examine both theoretical and application issues related but not limited to the following areas:

- Information Retrieval Language Models, Algorithms and Tools
- Fact-based Open-domain Question Answering
- Web-based Information Retrieval
- Topic Detection and Tracking over time
- Geographic Information Retrieval, gazeteers
- Information Visualization
- Text Categorization and Summarization
- Cross Language Retrieval
- Image and Video Retrieval
- Genre detection and use

While we have learned a great deal about creating large document spaces and accessing these spaces, we know relatively little about the users who deal with a multi-billion-page Web and design factors for improving the user experience with these systems. Further research is needed to address the user issues related to effectiveness and quality of experience when interacting with Web search engines and when designing new applications in this area. A focus on the users from an HCI perspective allows us to align the user focus and the system focus in a multi-disciplinary forum that includes theoretical foundations, evaluation measures, methodologies, case studies and user study results.

Areas of interest include, but are not limited to:

- User-based Web search engines effectiveness measures
- Evaluation of Web search tools in information seeking problems
- Human design issues and evaluations of web applications
- Profiles and personalization to enhance Web search
- Effect of task on information seeking behavior on the Web
- Log analysis
- Individual differences in Web search

## **Minitrack Co-chairs**

### **Ray Larson (primary contact)**

School of Information  
University of California, Berkeley  
102 South Hall #4600  
Berkeley CA 94720-4600  
Tel: (510)6 42-6046 Fax: (510) 642-5814  
Email: ray@ischool.berkeley.edu

Carolyn Watters  
Faculty of Computer Science  
Dalhousie University  
Halifax, Nova Scotia  
Canada B3H 3W5  
Tel: : 902-494-6723  
Email Carolyn.watters@dal.ca

**Ray Larson** is professor in the UC Berkeley School of Information, where he specializes in the design and performance evaluation of information systems, and the evaluation of user interaction with those systems. His research has concentrated on the design and evaluation of information retrieval systems, with an emphasis on online library catalogs, digital libraries and Geographic Information Retrieval. Prof. Larson has been a participant, chair and co-chair of minitracks at HICSS since 1997. He was also technical program chair for the ACM/IEEE Joint Conference on Digital Libraries for 2007, and has participated as a program committee member and as a chair and speaker for Information retrieval evaluations and conferences including SIGIR, TREC, CLEF, INEX. Prof. Larson is a Fellow of the American Association for the Advancement of Science.

**Carolyn Watters** is professor of computer science at Dalhousie University, Halifax, Canada and the co-director of the Web Information Filtering Lab. She has published widely on topics in Information Retrieval, Web Retrieval, and Effective Web Retrieval using mobile devices. She has been a workshop leader for many workshops including previous WWW conferences in the Hypertext Functionality series of workshops and co-chair of the WWW2004 Workshop on Measuring Effectiveness: The User Perspective as well as co-chair of panels at the WWW8 conference held in Toronto. Most recently she was co-chair of HICSS minitrack Search Effectiveness: User Perspective.

**02.12.10**