

## **Keynote and invited conference presentations (unpublished):**

Supporting and Evaluating Whole-Session Interactive Information Retrieval. Keynote Presentation, Beyond Single-Shot Text Queries: Bridging the Gap(s) Between Research Communities (MindTheGap'14) Workshop held in conjunction with iConference '14, Berlin, Germany, 4 March 2014

Usefulness as the Criterion for Evaluation of Interactive Information Retrieval Systems. Keynote Presentation, Dutch-Belgian Information Retrieval Workshop (DIR 2011), Amsterdam, 4 February 2011.

Challenges for Information Retrieval Research in the 21<sup>st</sup> Century. Keynote Presentation, XI ENANCIB (11<sup>th</sup> Annual Meeting of Brazilian Graduate Programs in Information Science), Rio de Janeiro, 25-28 October 2010.

Personalizing the Digital Library Experience: Progress and Prospects. Keynote Presentation, Libraries in the Digital Age (LIDA 2009), Dubrovnik, Croatia, 26 May 2009.

Cognitive and context modeling for interactive information retrieval. Keynote lecture, Dagstuhl Seminar on Interactive Information Retrieval, at the German Computer Society Dagstuhl Conference Center, Dagstuhl, Germany, 2 March 2009.

Some(what) Grand Challenges for Information Retrieval. Keynote presentation, 30<sup>th</sup> European Conference on Information Retrieval, Glasgow, Scotland, 31 March 2008.

Getting Personal: Personalization of Support for Interaction with Information. Keynote presentation at the 2006 Workshop on Adaptive Information Retrieval, Glasgow, Scotland, October 2006.

Can Exploratory Search be Distinguished from Other Kinds of Information Seeking Behaviors, and Can a Search Interface Support a Variety of Such Behaviors? Invited presentation at the workshop: Exploratory Search Interfaces: Clustering, Categorization, and Beyond. Human-Computer Interaction Laboratory Symposium, University of Maryland, College Park, MD, June 2005.

Priorities and concerns for education and research in information science. Invited presentation in the Panel on Working in Partnership: Priorities and Concerns for the Profession, at the 2005 Annual Conference of the Association for Library and Information Science Education, Boston, January 2005.

Models of interaction with video information. Keynote lecture, CIVR 2004 (2004 Conference on Image and Video Information), Dublin, Ireland, July 2004.

Evaluation methods for interactive information retrieval. Invited presentation at LIDA 2002 (Libraries in the Digital Age), Dubrovnik, Croatia, May 2002.

User modeling issues in customized information delivery. Invited presentation at the ACM SIGIR '99 Workshop on Customized Information Delivery, Berkeley CA, August 1999.

Complementary models for the representation and organization of knowledge. Invited Keynote Lecture, Fourth Annual Conference of the Spanish Chapter of the International Society for Knowledge Organization, Granada, Spain, 22 April 1999.

Information retrieval as interaction with information. CUIB/UNAM International Seminar "Research in Information for Virtual Universities", National Autonomous University of Mexico, Mexico City. August 1997.

Design and evaluation problems in multi-lingual information retrieval. Workshop on Information Retrieval with Oriental Languages, Taejun, Korea. June 1996. Invited keynote lecture.

Information retrieval as interaction. A series of four lectures, sponsored by the Academia Sinica, the Computational Linguistics Society of the Republic of China, and the Taiwan Chapter of the American Society for Information Science, at the Academia Sinica and the National University of Taiwan, Taipei, Taiwan. September 1994.

Digital libraries: history, functions, implementation, interaction and evaluation. A series of four invited lectures at the Institute of Systems Science, National University of Singapore. August 1994.

The structure of interaction in intelligent information retrieval. First International Symposium for Information Science, Keynote Lecture, Konstanz, Germany. October 1990.

The natures of information. Seventh Nordic Conference for Information and Documentation, Keynote Lecture, Aarhus, Denmark. August 1989

Implications of 'intelligent information system' research for online catalogs. Rome, Venice, Florence. A series of lectures sponsored by the Italian Library Association, and others, Invited Lecture Series. January 1988.

Transparency in intelligent systems. Danish Artificial Intelligence Society Seminar on AI system architecture, complexity and transparency', Keynote Lecture, Koge, Denmark. October 1986.

Modeling the user in information interaction. Twelfth Annual Conference of the Association of Information Officers in the Pharmaceutical Industry, Torquay, England. June 1985.

### **Lectures for research seminars, workshops and colloquia (unpublished)**

Usefulness as the Criterion for Evaluation of Interactive Information Retrieval. Research seminar, Department of Computer Science and Applied Cognitive Science, University of Duisburg/Essen, Duisburg, Germany, 8 June 2015.

Usefulness as the Criterion for Evaluation of Interactive Information Retrieval. Invited presentation at GESIS, The Leibniz Institute for the Social Sciences, Cologne, Germany, 26 May 2015.

A Brief History of Interactive Information Retrieval Research and (Some) Practice. School of Information and Library Science Seminar, University of North Carolina, Chapel Hill, NC, 3 October 2014.

Rutgers' Research on Personalizing Information Retrieval. Department of Computer Science Seminar, University of Delaware, Newark, DL, 23 October 2013.

Usefulness as the Criterion for Evaluation of Interactive Information Retrieval Systems. School of Information Studies Seminar, Syracuse University, Syracuse NY, 7 November 2011.

Personalizing Interaction with Information. Department of Information Management Seminar, Peking University, Peking, China, 4 July 2011.

Personalizing Interaction with Information. Department of Information Management Seminar, Nankai University, Tianjin, China, July 2011.

Personalizing Information Retrieval: Discovering Behavioral Correlates of Task Type, Topic Knowledge and Document Usefulness. Rutgers/Yahoo! Machine Learning Seminar, Piscataway,

NJ, December 2009.

Personalizing Support for Interaction with Information. New Jersey ASIST Distinguished Lectureship, New Brunswick, NJ, September 2009.

Getting Personal: Studies in Identifying User- and Other Context-Related Factors for Personalization of Interaction with Information. Seminar presentation, School of Library and Information Science, University of Zadar, Zadar, Croatia, May 2009.

Getting personal: Studies in identifying user- and other context-related factors for personalization of interaction with information. Invited lecture, Syracuse University School of Information Studies, April 2009.

Getting Personal: Personalization of Support for Interaction with Information. Seminar presentation, Åbo Akademi, Åbo/Turku, Finland, December 2006.

Getting Personal: Personalization of Support for Interaction with Information. Seminar presentation, University of Washington, Seattle, Washington, May 2006.

Getting Personal: Personalization of Support for Interaction with Information. Seminar presentation, University of British Columbia, Vancouver, Canada, March 2006.

A crash course in information retrieval. A series of four lectures presented at the Department of Library Science, University of Osijek, Croatia, June 2003.

A classification of interactions with information. Two lectures presented at the Faculty of Philosophy, University of Zagreb, Zagreb, Croatia, June 2003.

Interface techniques for making searching for information more effective. CHI 2003 Workshop on Best Practices and Future Visions for Search User Interfaces, Fort Lauderdale, April 2003.

User modeling and information retrieval. Lead presentation at the Workshop on Challenges in Information Retrieval and Language Modeling, Center for Intelligent Information Retrieval, University of Massachusetts, Amherst, September 2002.

Modeling user characteristics with information search and use behaviors. JCDL 2002 Workshop on Document Search Interface Design for Large-Scale Collections and Intelligent Access, Portland, OR, July 2002. With D. Kelly.

A framework for criteria and measures for evaluation of user interfaces in digital libraries. Fourth DELOS Workshop on Evaluation of digital libraries: Testbeds, measurements, and metrics. Budapest, June 2002.

Prospects for Information “Selection”. Advisory paper for the Unified Cryptologic Architecture Office Technical Exchange Meeting on Information Processing – Applications and Software. Hanover, MD, 3 March 2000.

An overview of results from Rutgers’ investigations of interactive information retrieval. ASIS Graduate Student Research Forum, Pratt Institute, New York, NY. May 1997.

Adapting information systems to human needs. Sixth Rutgers WINLAB Workshop on Third Generation Wireless Information Networks, Rutgers University, New Brunswick, NJ. March 1997.

Understanding and supporting multiple information seeking behaviors in a single system framework. Research Colloquium, Siemens Corporate Research, Princeton, 25 May 1999.

Understanding and supporting people’s interactions with information. Colloquium, College of Information Science and Technology, Drexel University, May 1998.

Co-leader and co-organizer of the Workshop on Information Exploration, at the ACM

Conference on Human Factors in Computing Systems (CHI 98), Los Angeles, April 1998. With Gene Golovchinsky.

Rutgers' research in interactive information retrieval. Colloquium, Department of Library and Information Science, UCLA, April 1998.

Understanding and supporting people's interactions with information: collaboration, not agency. "What is Cognitive Science?", a lecture series sponsored by the Rutgers Center for Cognitive Science, October 1997.

Measures for the evaluation of multimedia information retrieval. Dagstuhl Seminar 9716: "Evaluation of Multimedia Information Retrieval", Dagstuhl, Germany. April 1997.

Various things about interactive multi-media information retrieval and its evaluation. Dagstuhl Seminar 9716: "Evaluation of Multimedia Information Retrieval", Dagstuhl, Germany. April 1997.

The TREC-5 interactive track experience. Second Mira Workshop, University of Padova, Monselice, Italy. November 1996.

Information retrieval tools, an advisory position paper for the American Chemical Society Task Force on Research: Workshop on The Impact of New Information Technologies. Columbus, Ohio. May 1995.

Technology Forecast: Directions of retrieval technologies. Technologies for Current Awareness: Tomorrow's Information Today, a joint meeting of the ASIS New England Chapter and the SLA Boston Chapter, Westford, MA. April 1995.

Interaction with information as a framework for research in information retrieval. Research Colloquium, Norwegian College of Library and Information Science and Journalism, Oslo. October 1996.

Interaction as the central process of information retrieval. Distinguished Seminar in Information Retrieval, IR Festival, Department of Computing Science, University of Glasgow, Scotland. September 1995.

Strategies for evaluation of interactive multimedia information retrieval systems. MIRO Final Workshop, University of Glasgow, Scotland. September 1995.

Evaluation of interactive multimedia information retrieval systems. International Joint Conference on Artificial Intelligence (IJCAI) Workshop on Multimedia Information Retrieval, Montreal, Canada. August 1995.

Supporting information seeking in multi-media databases. International Workshop on Networked Multimedia Information Retrieval and Reuse, held at the European Space Agency (ESA-ESRIN), Frascati, Italy. Sponsored by the European Space Agency, the Fondazione Ugo Bordoni, the Italian Computer Science Society, and the Commission of the European Communities. March 1995.

Information retrieval: Where it is, where it's going. Research Seminar at the NEC Research Laboratories, Princeton, NJ. February 1995.

Digital libraries: interaction and evaluation. School of Information and Library Studies, University of Michigan. June 1994.

On the relationship between discourse structure and user intention. Dagstuhl Seminar on Summarizing Text for Intelligent Communication, Dagstuhl, Germany. December 1993.

Information retrieval as an interactive process. University of Konstanz, Department of

Information Science, Research Seminar, Konstanz, Germany. July 1992.

Information retrieval as interaction. Federal Technical University Zürich, Department of Computer Science, Research Seminar, Zürich. July 1992.

On the evaluation of highly interactive, dialogue-based information systems. German Foundation for Computer Science Research, Institute for Integrated Publication and Information Systems (GMD-IPSI), Research Workshop. July 1992.

On the evaluation of interactive information retrieval. European Space Agency, ESRIN Seminar, Frascati, Italy. March 1992.

On the nature and structure of interaction in information retrieval. Royal School of Librarianship, Copenhagen, Denmark. February 1992.

Is information filtering just another name for information retrieval? And if so, so what?. Bellcore Workshop on High-Performance Information Filtering, Morristown, NJ. November 1991.

User interfaces for OPACs. Research Workshop on User Interfaces for Online Public Access Catalogs, Library of Congress, Washington, DC. November 1991.

Intelligent Information Retrieval. NSF Workshop on Future Directions in Text Analysis, Retrieval and Understanding, Chicago. October 1991.

The nature of interaction in information retrieval. UCLA, Graduate School of Library and Information Studies. May 1991.

The role of user modeling for clarification and explanation in information retrieval interaction. USC ISI Colloquium, Marina del Rey, CA. May 1991.

The role of user modeling for clarification and explanation in intelligent information retrieval. University of the Saarland, Colloquium of the Department of Computer Science and the Department of Information Science, Saarbrücken, Germany. November 1990.

Watching users in libraries: methodologies for system design. Xerox Palo Alto Research Center (PARC) Seminar, Palo Alto, CA. March 1990.

Review of user interfaces for information systems. European Space Agency, ESRIN International Workshop on User Interfaces for Information Systems, Frascati, Italy. February 1990.

An overview of intelligent information retrieval. Merck Pharmaceuticals, Merck Research Seminar. January 1990.

User-centered design for information systems. Bell Communications Research, Bellcore User-Centered Design Forum, Red Bank NJ. November 1989.

The nature of explanation in intelligent information retrieval. Online Computer Library Center (OCLC), OCLC Distinguished Seminar Series, Dublin OH. February 1988.

The nature and function of explanation in the intelligent information retrieval system. American Society for Information Science, Potomac Valley Chapter, Washington, DC. February 1988.

Architectures for intelligent information retrieval systems. University of Udine, Department of Mathematics and Computer Science. January 1988.

On the nature and function of explanation in intelligent information retrieval. University of Udine, Department of Mathematics and Computer Science. January 1988.

User modeling in intelligent information systems. University of Udine, Department of

Mathematics and Computer Science. January 1988.

What constitutes intelligence in an information system?. University of Padova, Department of Electronics and Computer Science. January 1988.

What constitutes intelligence in an information system?. General Electric Research & Development Center, Artificial Intelligence Group Seminar. November 1987.

Explanation in intelligent retrieval. Rutgers University, Computer Science Seminar. October 1987.

Uses of complex multi-media objects and information retrieval techniques. International Workshop on Multimedia Complex Objects, Taormina, Italy. June 1987.

A model of transparency as a basis for explanation in an expert intermediary for information retrieval. Bell Communications Research, Computer-Human Interaction Seminar, Morristown NJ. May 1987.

Investigating user modeling in information interaction by discourse analysis. Rutgers University, Department of Psychology, Cognitive Colloquium. March 1987.

Designing an intelligent information system interface. AT&T Bell Labs, Holmdel, NJ. January 1987.

Designing intelligent information provision mechanisms. University of Toronto, Faculty of Library and Information Science. February 1986.

How intermediaries model users in information interaction. University of Toronto, Faculty of Library and Information Science. February 1986.

Using problem structures to guide human-computer dialogues. University of Western Ontario, School of Library and Information Science. February 1986.

Developing an expert information system interface. Royal Danish School of Librarianship, Copenhagen. March 1985.

Using problem structures for driving human-computer dialogues. University of Linkjoping, LIBLAB Seminar. March 1985.

Research in the development of intelligent information system interfaces. Swedish Special Library Association, Lund, Sweden. March 1985.

Research in the development of an intelligent information system interface. The City University, London, Cognitive Studies Seminar. December 1984.

Designing intelligent information system interfaces. Bellcore, Murray Hill, NJ. September 1984.

The future of information studies in the context of the information revolution. Rutgers University, School of Communication, Information & Library Studies. September 1984.

The significance of interaction in information processes. British Library Research and Development Department Seminar on Basic Information Research, Cranfield, England. September 1983 (with A. Vickery).

Specification of the problem description function in information interaction. Free University Berlin, Department of Communication, Information Science Seminar. March 1983.

Application of the distributed expert model to information provision mechanism analysis and design. University of Konstanz, Department of Administrative Studies, Information Science Colloquium. February 1983.

Research trends in information science in the anglo-saxon countries. Free University Berlin,

Faculty of Communication, Information Science Seminar. December 1982.

Text analysis for information retrieval. University of Linkjoping, Library Seminar. September 1981.

Models of dialogue for information retrieval. Aslib Informatics Group, London. November 1981.

The anomalous state of knowledge as a basis for information retrieval. Drexel University, School of Library and Information Science. June 1980.

Representation of texts for information retrieval. University of Western Ontario, Cognitive Studies Seminar. April 1980 (with B.G. Michell)

Representation of anomalous states of knowledge as a basis for information retrieval. University of Michigan, University Colloquium. March 1980.

Anomalous state of knowledge-based information retrieval. Syracuse University, School of Information Studies. February 1980.

Anomalous states of knowledge as a basis for information retrieval. University of Western Ontario, School of Library and Information Science. December 1979.

Anomalous states of knowledge as a basis for information retrieval. Case Western University, School of Library Science. October 1979.

Cognitive aspects of information science. British Library Research and Development Department Workshop on Basic Information Research, Cranfield, England. September 1978.

Information and anomalous states of knowledge in information science. Sheffield University, School of Library and Information Science. June 1978.

Concepts of information in information science. Polytechnic of North London, School of Librarianship. May 1978.

Cognitive and linguistic problems in information science. University of California, Berkeley, School of Library and Information Studies. October 1976.

Ethical and political implications of theoretical research in information science. University of Washington, Seattle, University Lecture. October 1976.

Problems of knowledge representation for information retrieval. University of Washington, Department of Psychology. October 1976.