Preface

IIIX 2008 is the second international symposium on Information Interaction in Context succeeding the symposium held in Copenhagen in 2006. The primary objective of IIIX is to investigate how the concept of context can be understood and exploited to make information systems truly interactive. Knowledge about context can be used effectively to constrain retrieval and seeking of information and to understand ensuing information behaviours including relevance and use, thereby reducing the complexity of the interaction processes. As in the case of the first IIIX symposium, the aim of IIIX 2008 is to bring together researchers from the related areas of information seeking behaviour, laboratory IR, and interactive IR to provide a forum for discussion and collaboration on context issues with respect to information seeking and retrieval. This is successfully achieved in IIIX 2008, as a variety of angles to the concept of context, as well as suggestions as to how to consider and treat context in information seeking and retrieval, is presented.

IIiX 2008 received paper submissions from 19 countries (four continents) and accepted 23 full and research in progress papers.

The organising committee would like to thank all the authors who submitted their work for consideration and the participants of IIiX for making the event a great success. Special thanks are due to the members of the Program Committee who worked very hard to ensure the timely review of all the submitted manuscripts, and to the invited speakers: Professor Stephen Robertson, Microsoft Research Cambridge, and Dr. Ian Ruthven, University of Strathclyde, Glasgow.

We also thank the sponsoring institutions for their generous contribution: British Computer Society Information Retrieval Specialist Group (BCS IRSG); Information Retrieval Facility (IRF); and Yahoo! Research.

Thanks are also due to the editorial staff at ACM for agreeing to publish the conference proceedings as part of their International Conference Proceedings Series and to enter the proceedings in the ACM Digital Library.

Finally, we would like to thank Peter Ingwersen for organising the panel session on "Information Interaction: Problems & Challenges", the co-chairs of the Doctoral Forum Ross Wilkinson and Erica Cosijn, the tutorial co-chairs Eero Sormunen and Peter Ingwersen, the publicity chair Birger Larsen, and Murat Yakici for acting as webmaster.

October 2008

Pia Borlund
Jesper W. Schneider
Mounia Lalmas
Anastasios Tombros
John Feather
Diane Kelly
Arjen de Vries
Leif Azzopardi

Organisation

Organising institution

IIiX 2008 was organised by the British Computer Society (BCS).

Organisation

Conference Chairs:

Mounia Lalmas, Queen Mary, University of London, UK Anastasios Tombros, Queen Mary, University of London, UK

Program Chairs:

Pia Borlund, Royal School of Library and Information Science, Denmark Jesper W. Schneider, Royal School of Library and Information Science, Denmark

Thematic Chairs:

John Feather (Information Behaviour), Loughborough University, UK Diane Kelly (Interactive IR), University of North Carolina, USA Arjen de Vries (Laboratory IR), CWI, The Netherlands

Doctoral Forum Chairs:

Erica Cosijn, University of Pretoria, South Africa Ross Wilkinson, CSIRO, Australia

Tutorial Chairs:

Eero Sormunen, University of Tampere, Finland Peter Ingwersen, Royal School of Library and Information Science, Denmark

Local Organisation Chair:

Leif Azzopardi, University of Glasgow, UK

Local Organisation:

Rachel Browning, British Computer Society, UK Colin Chivers, British Computer Society, UK

Publicity Chair:

Birger Larsen, Royal School of Library and Information Science, Denmark

Website:

Murat Yakici, University of Glasgow, UK

Sponsoring institutions

British Computer Society, Information Retrieval Specialist Group (BCS-IRSG) Information Retrieval Facility

Yahoo! Research

IIiX'08 was organised in cooperation with the Association for Computing Machinery (ACM)

Doctoral Forum mentors

Katriina Byström, Swedish School of Library and Information Science, Sweden

Theresa Dirndorfer-Anderson, University of Technology, Sydney, Australia

Ayşe Göker, City University London, UK

Joemon Jose, University of Glasgow, UK

Diane Kelly, University of North Carolina, USA

Daniela Petrelli, University of Sheffield, UK

Program committee

Einat Amitay, IBM, Israel

Troels Andreasen, Roskilde University, Denmark

Simon Attfield, University College London, UK

Peter Bailey, CSIRO, Australia

Joan Bartlett, McGill University, Canada

Micheline Beaulieu, University of Sheffield, UK

Nick Belkin, Rutgers University, USA

Christine Borgman, UCLA, USA

Theo Bothma, University of Pretoria, South Africa

Peter Bruza, Distributed Systems Technology Centre, Australia

George Buchanan, University of Wales, UK

Katriina Bystrom, Swedish School of Information and Library Science, Sweden

Charles Cole, McGill University, Canada

Fabio Crestani, University of Lugano, Switzerland

Susan Dumais, Microsoft, USA

David Ellis, University of Wales, Aberystwyth, UK

David Elsweiler, University of Strathclyde, UK

Nicola Ferro, University of Padua, Italy

Luanne Freund, University of British Columbia, Canada

Erik Frøkær, DIKU, Denmark

Ingo Frommholz, University of Duisburg-Essen, Germany

Ayşe Göker, City University, UK

Paul Gorman, Oregon Health and Science University, USA

Preben Hansen, Swedish Institute of Computer Science, Sweden

Mark Hepworth, Loughborough University, UK

Kasper Hornbæk, University of Copenhagen, Denmark

Jette Hyldegård, Royal School of Library and Information Science, Denmark

Bernard Jansen, The Pennsylvania State University, USA

Kalervo Järvelin, University of Tampere, Finland

Gareth Jones, Dublin City, University, Ireland

Joemon Jose, University of Glasgow, UK

Jaap Kamps, University of Amsterdam, The Netherlands

Samuel Kaski, Helsinki University of Technology, Finland

Jaana Kekalainen, University of Tampere, Finland

Brian Kirkegaard, Royal School of Library and Information Science, Denmark

Rasmus Knappe, Oracle, Denmark

Wessel Kraaij, TNO, The Netherlands

Monica Landoni, University of Lugano, Switzerland

Birger Larsen, Royal School of Library and Information Science, Denmark

David Losada, University of Santiago de Compostela, Spain

Christopher Lueg, University of Tasmania, Australia

Andrew MacFarlane, City University, UK

Stefano Mizzaro, University of Udine, Italy

Josiane Mothe, Institut de Recherche en Informatique de Toulouse, France

Marianne L. Nielsen, Royal School of Library and Information Science, Denmark

Cecile Paris, CSIRO, Australia

Gabriella Pasi, Università degli Studi di Milano Bicocca, Italy

Daniela Petrelli, University of Sheffield, UK

Nils Pharo, Oslo University College, Norway

Benjamin Piwowarski, Yahoo! Research Latin America, Chile

Georgina Ramirez, Yahoo! Research Barcelona, Spain

Edie Rasmussen, University of British Columbia, Canada

Soo Young Rieh, University of Michigan, USA

Stephen Robertson, Microsoft Research, UK

Ian Ruthven, University of Strathclyde, UK

Xuehua Shen, Google Search Quality, USA

Mark Smucker, University of Massachusetts, USA

Barry Smyth, University College Dublin, Ireland

Diane Sonnenwald, Swedish School of Information and Library Science, Sweden

Amanda Spink, Queensland University of Technology, Australia

Henrik Bulskov Styltsvig, Roskilde University, Denmark

John Tait, Information Retrieval Facility, Austria

Sanna Talja, University of Tampere, Finland

Jaime Teevan, Microsoft, USA

Ulrich Thiel, FhG IPSI, Germany

Elaine Toms, Dalhousie University, Canada

Pertti Vakkari, University of Tampere, Finland

Ellen Voorhees, NIST, USA

Peiling Wang, The University of Tennessee Knoxville, USA

Ryen White, Microsoft, USA

Barbara Wildemuth, University of North Carolina, USA

Murat Yakici, University of Glasgow, UK

Table of contents

r	eynote Fresentations	
•	The Study of Information Retrieval – A Long View	.1
•	The Context of the Interface Ian Ruthven (University of Strathclyde)	.3
s	ession: Interactive IR I	
•	Tagging for Use: An Analysis of Use-Centred Resource Description Luanne Freund (University of British Columbia), Richard Butterworth (Bridgeman Art Library)	6
•	Search Strategies in Multimodal Image Retrieval. Stina Westman, Antti Lustila, Pirkko Oittinen (Helsinki University of Technology)	13
S	ession: Context Retrieval Models	
•	Query Reformulation, Search Performance, and Term Suggestion Devices in Question-	
	Answering Tasks	21
•	Novelty as a Form of Contextual Re-ranking: Efficient KLD Models and Mixture Models2 Ronald T. Fernández, David E. Losada (<i>University of Santiago de Compostela</i>)	27
•	A Graph Based Approach to Estimating Lexical Cohesion	35
S	ession: Personalisation	
•	A Study of Remembered Context for Information Access from Personal Digital Archives Liadh Kelly, Yi Chen, Marguerite Fuller, Gareth J.F. Jones (<i>Dublin City University</i>)	44
•	Activity Put in Context: Identifying Implicit Task Context within the User's Document Interaction	51
	Karl Gyllstrom (University of North Carolina/HP Labs), Craig Soules, Alistair Veitch (HP Labs)	
•	Learning User Interests for a Session-based Personalized Search	57
s	ession: Evaluation & Relevance I	
•	Retrieval of Context-aware Applications on Mobile Devices: How to Evaluate?	65
•	Content or Context? Searching for Musical Meaning in Task-based Interactive Information Retrieval	72
	Charlie Inskip, Andy MacFarlane (City University London), Pauline Rafferty (University of Aberystwyth)	

•	The Effects of Performance Feedback on Users' Evaluations of an Interactive IR System75 Diane Kelly, Chirag Shah, Cassidy Sugimoto, Earl Bailey, Rachel Clemens, Ann K. Irvine, Nicholas A. Johnson, Weimao Ke, Sanghee Oh, Anezka Poljakova, Marcos A. Rodriguez, Megan G. van Noord, Yan Zhang (<i>University of North Carolina</i>)
S	ession: Interactive IR II
•	Improving Skim Reading for Document Triage
•	Comparing Collaborative and Independent Search in a Recall-oriented Task
•	A Task-based Information Retrieval Interface to Support Bioinformatics Analysis
S	ession: Museum & Archives in Contexts
•	Access to Archival Material in Context
•	Exploring Information Seeking Behaviour in a Digital Museum Context
•	Characteristics of Information Needs for Television Broadcasts of Scholars and Students in Media Studies
S	ession: Evaluation & Relevance II
•	Searchers' Relevance Judgments and Criteria in Evaluating Web Pages in a Learning Style Perspective
	Chariste Papaeconomou, Annemarie F. Zijlema, Peter Ingwersen (Royal School of Library and Information Science, Denmark)
•	Deriving Context from Users' Evaluations to Inform Software Development
•	Experiences Evaluating Personal Metasearch
S	ession: Information Seeking
•	Optimal Access to Information while Writing: Writing in the Internet Age
•	Toward a Model of Children's Information Seeking Behavior in Using Digital Libraries145 Dania Bilal, Sonia Sarangthem (<i>University of Tennessee</i>), Imad Bachir (<i>The Lebanese University</i>)

•	Differences between Informational and Transactional Tasks in Information Seeking on the Web
•	The Doctoral Forum at the Second IliX Symposium
•	Tutorials at the Second IliX Symposium