

Call for Papers & Participation

Interacting with Information Technologies

A workshop co-sponsored by
ARC Research Network in Enterprise Information Infrastructure (EII)
Taskforce on "Understanding and Extracting Value from IT Investments"
and CSIRO ICT Centre (Hobart, TAS)

http://www.cis.utas.edu.au/users/clueg/EII-CSIRO_2009.html

Invited speaker:
Professor Michael B. Twidale
University of Illinois at Urbana-Champaign

Monday, November 30, 2009
(right after OzCHI in Melbourne and just before ACIS and AI)

**CSIRO Auditorium
Hobart TAS, Australia**

In an ideal world, information technology would support both business objectives and user needs which, even though they can substantially overlap, are not the same. Information needs (both organisational and individual) are often poorly understood which often leads to systems that fail to provide access to information that is relevant to a task at hand.

We are interested in the contributions that different disciplines can make to bridge the gap that designers and developers face when dealing with often contradictory requirements:

- Human Computer Interaction (HCI) and Computer Supported Cooperative Work (CSCW) are two closely related, strongly inter-disciplinary research areas that are concerned with designing, implementing and evaluating computer systems with specific foci on interaction and collaboration, respectively.
- Information science (as conceptualised in 'i-schools') is the study of information related behaviours, including cognitive and social modelling of information behaviours, and the design of systems that support specific information behaviours. Information Science explores, identifies and makes available knowledge as to how people access, manage and use information during the course of work activities in professional contexts but also leisure activities.
- User modelling is a computer science research area that aims at building IT systems that adapt to users, their capabilities (eg expert vs. novice) and their information needs (eg tailoring of information to meet specific needs).

In regards to technology design and use, these disciplines -- plus others not specifically mentioned here including psychology, sociology and education -- have tremendous overlap in their concerns, with complementary knowledge and skills to offer each other.

Workshop Description:

For this workshop, we are particularly interested in bringing together different disciplines for understanding *social* aspects of interaction with information technologies in their broadest sense.

The goal of this workshop is to bring together researchers with an interest in these areas and discuss how these areas could and/or should inform each other. The workshop is a multidisciplinary forum exploring the relationships between HCI, information science and computer science research for information behaviour modelling and information technology design.

Questions of interest range from more general questions regarding the understanding, modelling and supporting of information behaviours in specific contexts to very specific topics including IR and Web information interaction: how to best model and understand user behaviour, how to translate user models into interfaces and systems design, how to evaluate those systems, and how to assess social and business impacts.

We anticipate presentations and discussions to include theoretical foundations, user studies, interface and systems designs, methodologies, and case studies. We anticipate a wide range of participants from both the research and development communities.

The workshop will be a full day event on Monday, 30-Nov (venue: CSIRO Tasmanian ICT Centre, Castray Esplanade, Hobart) with additional discussion and brainstorming opportunities available on Tuesday, 1-Dec (venue: TBA, most likely the School of Computing and Information Systems at the University of Tasmania, Hobart)

Submissions and Evaluations:

Participants should prepare a one page position statement on a topic of interest to the discussion and one page bio highlighting research foci and other relevant experience. Submissions will be reviewed by at least 2 reviewers for acceptance in the workshop proceedings. The organizers will arrange for publishing the workshop proceedings as a technical report as well as on the workshop Web site. Being experienced editors we are also looking at publishing revised and expanded versions of the papers as a special issue in an established, topically related journal.

Areas of interest include, but are not limited to:

- Social technologies
- Design of systems and interfaces to support (mobile) information access
- Exploring, modelling and supporting information behaviours
- CSC*

- Interactive information retrieval
- Interaction with information environments
- Online communities
- User Modelling / personalisation
- Intelligent User Interfaces
- Recommender Systems

Paper Submission deadline: Friday, 30 October 2009
Acceptance Notification: Friday, 6 November 2009

Registration requested by: Tuesday, 17 November 2009
Registration fee: Free

Submissions by email to: information.interaction@gmail.com

Updates will be posted to http://www.cis.utas.edu.au/users/clueg/EII-CSIRO_2009.html

Workshop Organizers:

Dr. Christopher Lueg is a Professor of Computing at the University of Tasmania where he established the Information & Interaction research group. For the 2009-2011 period he is a Research Fellow of the Graduate School of Library and Information Science at the University of Illinois at Urbana Champaign (UIUC). His research interests tend to manifest at the intersection of computer science, information science and cognitive science. Human-Computer Interaction, Interaction with Information and Information Behaviour are long-standing areas of interest. Other active research areas include information sharing in online communities, ubiquitous computing and context awareness. He is a core member of the ARC Research Network on Enterprise Information Infrastructure (EII) and the Tasmanian representative of CHISIG. He edited (with Danyel Fisher, now Microsoft Research) the book *From Usenet to CoWebs: Interacting with Social Information Spaces* published by Springer in the CSCW series. URL <http://www.cis.utas.edu.au/users/clueg/>

Dr. Shlomo Berkovsky is a Research Team Leader in the CSIRO Tasmanian ICT Centre. His broad research interests are user modelling and personalization as a means to overcome information overloading. In particular, he is interested in the mediation of user models, ubiquitous user modelling, recommender systems, collaborative and content-based filtering, context-aware personalization, personalized content generation, and use of machine learning and data mining techniques in user modelling and personalization. His prior research interests include text and web mining, semantic web, and peer-to-peer computing. He is the author of over 50 refereed scientific publications, accepted to journals, books, and conference/workshop proceedings. URL <http://www.ict.csiro.au/staff/shlomo.berkovsky/>

Dr. Aaron Quigley is the incoming inaugural director of the Human Interface Technology Laboratory Australia (HIT Lab AU) and an Associate Professor in the School of Computing and Information Systems in the University of Tasmania. His research interests include pervasive computing, human computer interaction, location and context awareness, surface interaction, information visualisation and social network analysis. He is relocating from UCD in Ireland where he is a Co-Principal Investigator for the SFI Strategic Research Cluster Clique on Graph and Network Analysis, an IBM CAS Visiting Scientist, UCD director of ODCSSS, a researcher in Lero the Irish Software Engineering Research Centre and a collaborator in CLARITY the Centre for Sensor Web Technologies.