

# OZCHI 2006

design: activities,  
artefacts and  
environments

preliminary program

20-24 november  
SYDNEY

wednesday november 22			thursday november 23			friday november 24					
09.00	opening		09.00	long papers <b>tangible</b>	long papers <b>tools</b>	industry three <b>large organisations</b>	09.00	short papers <b>mobile</b>	short papers <b>play</b>	short papers <b>fieldwork</b>	
09.10	opening keynote <b>Genevieve Bell</b>										
10.40	coffee break		10.40	coffee break			10.30	coffee break			
11.00	long papers <b>awareness</b>	long papers <b>health</b>	industry one <b>unusual needs</b>	11.00	long papers <b>culture</b>	panel <b>evaluation challenges</b>	industry four <b>large organisations</b>	11.00	short papers <b>social</b>	short papers <b>modality</b>	short papers <b>evaluation</b>
12.40	lunch		12.40	lunch			12.30	lunch			
13.30	long papers <b>mobile</b>	long papers <b>modality</b>	industry two <b>practical methods</b>	13.30	long papers <b>understanding</b>	long papers <b>using</b>	panel <b>going for goals</b>	13.30	closing keynote <b>William Gaver</b>		
15.10	coffee break		15.10	coffee break			15.00	closing			
15.30	panel <b>doing design research</b>		15.30	industry keynote <b>Donna Maurer</b>			15.30	coffee and farewell			
			17.00	CHISIG AGM							
			19.00	conference dinner							

wednesday november 22

11.00 – 12.40

**awareness:** lecture theatre 1

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**iSocialize: Investigating Awareness Cues for a Mobile Social Awareness Application**

*Berith Lundgaard Andersen, Martin Lindholdt Jørgensen, Ulrik Kold, Mikael B. Skov, Aalborg University*

**Interpersonal Awareness in the Domestic Realm**

*Carman Neustaedter, Kathryn Elliot, Saul Greenberg, University of Calgary*

**Hermes@Home: Supporting Awareness and Intimacy between Distant Family Members**

*Keith Cheverst, George Saslis-Lagoudakis, Lancaster University*

**Transient Life: Collecting and sharing personal information**

*Stephanie Smale, Saul Greenberg, University of Calgary*

**health:** lecture theatre 2

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**Evaluating an In-Vivo Surgical Training Demonstration over Broadband Internet**

*Duncan Stevenson, CSIRO Australia*

**Evaluating Clinicians' Experience in a Telemedicine Application: a Presence Perspective**

*Leila Alem, Susan Hansen, Jane Li, CSIRO Australia*

**Perceptions of the Elderly on the Use of Wireless Sensor Networks for Health Monitoring**

*Christopher Secombe, Robert Steele, Wayne Brookes, University of Technology Sydney*

**From the Certainty of Information Transfer to the Ambiguity of Intuition**

*Florian 'Floyd' Mueller, Stefanie Kethers, Leila Alem, Ross Wilkinson, CSIRO Australia*

**wednesday november 22**

11.00 – 12.40

**industry case studies: projects with unusual needs:** lecture theatre 3

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**Guiding Diverse Audiences Through Complex Information**

*Caroline Jarrett*

**Assessing Safety Documentation and Redesigning an Incident Form**

*Gerry Gaffney*

**Augmented Landscape Table**

*Chris Hay*

wednesday november 22

13.30 – 15.10

**mobile:** lecture theatre 1

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**Indexical Interaction Design for Context-Aware Mobile Computer Systems**

*Jesper Kjeldskov, Jeni Paay, Aalborg University*

**Taking Hold of TV: Learning From the Literature**

*Richard Harper, Tim Regan, Mark Rouncefield, Lancaster University, Microsoft Research*

**A Cross-Cultural Study of Mobile Music - Retrieval, Management and Consumption**

*Esa Nettamo, Mikko Nirhamo, Jonna Hakila, Nokia Multimedia*

**Designing a Mobile Communicator: Combining Ethnography and Object-Oriented Design**

*Jesper Kjeldskov, Christian Monrad Nielsen, Michael Overgaard, Michael Bach Pedersen, Jan Stage, Sigge Stenild, Aalborg University, NN IT, KMD, ETI*

**modality:** lecture theatre 2

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**Interface Design for an Aircraft Thrust and Braking Indicator/Advisor**

*Shane Pinder, David Bristow, T. Claire Davies, University of Waterloo, Defiant Engineering, Auckland University of Technology*

**Spatial Sound Localization in an AR environment**

*Jaka Sodnik, Raphael Grasset, Mark Billinghurst, Andreas Duenser, Saso Tomzic, University of Ljubljana, Human Interface Technology Lab, New Zealand, University of Canterbury*

**LookPoint: An Evaluation of Eye Input for Hands-Free Switching of Input Devices between Multiple Computers**

*Connor Dickie, Jamie Hart, Roel Vertegaal, Queen's University*

**Magistrates and voice recognition: reconceptualising agency**

*Anni Dugdale, Ben Kraal, 4S, Queensland University of Technology*

**wednesday november 22**

13.30 – 15.10

**industry case studies: practical methodologies:** lecture theatre 3

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**Applied Ethnography - The FOX Sports Experience**

*Stephen Cox*

**Practical Tips on Using an Eye-Tracking System to Support Usability Testing**

*Sandrine Balbo and Peter Benda*

**Designing interaction: Reduction in activity time by the re-allocation of user tasks to machine functions**

*Pat Lehane and Sam Huf*

**thursday november 23**

15.30 – 17.00

**panel:** lecture theatre 1

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**Doing Design Research**

*organiser: Toni Robertson, University of Technology Sydney*

**thursday november 23**

9.30 – 10.40

**tangible:** lecture theatre 1

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**Learning from Interactive Museum Installations About Interaction Design for Public Settings**

*Eva Hornecker, Matthias Stifter, University of Canterbury, Vienna University of Technology*

**Exploration and Reflection in Interactive Art: Glass Pond**

*Jennifer Seevinck, Ernest Edmonds, Linda Candy, University of Technology Sydney, Old Dominion University, Creativity and Cognition Studios, Loughborough University, University of Sydney*

**Tangible Tiles: Design and Evaluation of a Tangible User Interface in a Collaborative Tabletop Setup**

*Manuela Waldner, Jörg Hauber, Jürgen Zauner, Michael Haller, Mark Billingham, Upper Austria University of Applied Sciences, University of Canterbury, Human Interface Technology Laboratory New Zealand*

**AuraOrb: Using Social Awareness Cues in the Design of Progressive Notification Appliances**

*Mark Altosaar, Roel Vertegaal, Changuk Sohn, Daniel Cheng, Queen's University*

**tools:** lecture theatre 2

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**Using a scenario planning tool to support an engaging online user experience**

*Jon Pearce, John Murphy, David Patman, The University of Melbourne, Novell, Centrelink*

**Tools for designing and delivering multiple-perspective scenarios**

*Wally Smith, Daghan Acay, Ramon Fano, Gideon Ratner, The University of Melbourne*

**Virtual object specification for usable virtual environments**

*Shamus Smith, James Willans, Durham University, Xactium*

**PICTIOL: A case study in participatory design**

*Vivienne Farrell, Graham Farrell, Kon Mouzakis, Chris Pilgrim, Pauline Byrt, Swinburne University*

**thursday november 23**

9.30 – 10.40

**industry case studies: managing large organisations (1): lecture theatre 3**

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**Architecting Good User Experiences: Common Pitfalls and Good Practices**

*Anna Liu*

**Seven News Websites in Six Months - the Experience Architect's Challenge**

*Jackie Moyes*

**thursday november 23**

11.00 – 12.40

**culture:** lecture theatre 1

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**Cultural Theory – From Armchair Critic to Star Performer**

*Christine Satchell, University of Melbourne, RMIT*

**MAIL: a Framework for Critical Technical Practice**

*Nicholas Foster, Luke Compston, Daniel Barkho, The University of Melbourne*

**Factoring Culture into the Design of a Persuasive Game**

*Rilla Khaled, Pippin Barr, Ronald Fischer, Robert Biddle, James Noble, Victoria University of Wellington, Carleton University*

**“heh – keeps me off the smokes...”: Probing Technology Support for Personal Change**

*Connor Graham, Peter Benda, Steve Howard, James Balmford, Nicole Bishop, Ron Borland, The University of Melbourne, VicHealth, The Cancer Council of Victoria Australia*

**panel:** lecture theatre 2

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**Evaluation Challenges for Intense Distributed Teamwork**

*organisers: Claudia Schremmer, Rudi Vernik, Julien Epps, CSIRO-ICT Centre, DSTO Edinburgh, National ICT Australia*

**industry case studies: managing large organisations (2):** lecture theatre 3

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**User Interface Design as a Facilitator of IT Project Communication - a Case Study**

*Matthew Morphett and Shane Morris*

**Designing Homepages for Government Websites in Asia**

*Gul Amir Khan*

**thursday november 23**

13.30 – 15.10

**understanding:** lecture theatre 1

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**Making There: Methods to Uncover Egocentric Experience in a Dialogic of Natural Places**

Nicola Bidwell, David Browning, James Cook University

**What is Your Husband's name? Sociological dimensions of Internet Banking Authentication**

Supriya Singh, Anuja Cabraal, Gabriele Hermansson, RMIT University

**An Information Overload study: Using design methods for understanding**

Ingrid Mulder, Henk de Poot, Carla Verwijs, Ruud Janssen, Marcel Bijlsma, Telematica Instituut

**Moving from Cultural Probes to Agent-Oriented Requirements Engineering**

Anne Boettcher, The University of Melbourne

**using:** lecture theatre 2

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**Conceptual Framework and Models for Identifying and Organizing Usability Impact Factors of Mobile Phones**

Dong-Han Ham, Jeongyun Heo, Peter Fossick, William Wong, Sanghyun Park, Chiwon Song, Mike Bradley, Middlesex University, LG Electronics

**Usability of Online Grocery Systems: a focus on errors**

Mark Freeman, Alison Norris, Peter Hyland, University of Wollongong

**Question-Based Group Authentication**

Ann Nosseir, Richard Connor, Karen Renund, University of Strathclyde, University of Glasgow

**Saxaren – Strengthening Informal Collaboration among Geographically Distributed Teachers**

Kristina Groth, Sinna Lindqvist, Cristian Bogdan, Tobias Lidskog, Yngve Sundblad, Ovidiu Sandor, KTH, Metamatrix Development and Consulting

**thursday november 23**

13.30 – 15.10

**panel:** lecture theatre 3

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**Going for Goals: Achieving business and user goals through design**

*organisers: Ilana Kaplan and Greg Ralph, The Hiser Group*

**friday november 24**

9.00 – 10.30

**short papers: mobile: lecture theatre 1**

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**Holding Hands Over a Distance: Technology Probes in an Intimate, Mobile Context**

*Shannon O'Brien and Florian 'Floyd' Mueller, CSIRO ICT Centre*

**Mobile Helper for University Students: A Design for a Mobile Learning Environment**

*Richard Brown, Hokyoung Ryu, David Parsons, IIMS, Massey University, IIMS, Massey University Auckland, New Zealand*

**A Wearable Folding Display for Self-Expression**

*Andrew Vande Moere, Monika Hoinkis, The University of Sydney*

**One-key Keyboard: A Very Small QWERTY Keyboard Supporting Text Entry for Wearable Computing**

*Seoktae Kim, Minjung Sohn, Jinhee Pak, Woohun Lee, Korea Advanced Institute of Science and Technology*

**Using Ecological Interface Design to Develop an Auditory Interface for Visually Impaired Travellers**

*T. Claire Davies, Catherine M Burns, Shane D. Pinder, University of Waterloo, Defiant Engineering Incorporated, Defiant Engineering*

**Beyond Security: Implications for the Future of Federated Digital Identity Management Systems**

*Christine Satchell, Graeme Shanks, Steve Howard, John Murphy, Monash University, The University of Melbourne, The University of Melbourne Aalborg University, Novell Pty Ltd, Australia*

**friday november 24**

9.00 – 10.30

**short papers: play: lecture theatre 2**

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**Playing the Interface: A Case Study of Grand Theft Auto: San Andreas**

*Pippin Barr, Rilla Khaled, James Noble, Robert Biddle, Computer Science, Victoria University of Wellington, NZ, Computer Science Victoria University of Wellington NZ, HOTLab Carleton University Canada*

**A Table Tennis Game for Three Players**

*Florian 'Floyd' Mueller, Martin Gibbs, The University of Melbourne*

**Distributed Hide-and-Seek**

*Frank Vetere, Mark Nolan, Raihaan Abdool Raman, The University of Melbourne*

**How it Feels, not Just How it Looks: When Bodies Interact with Technology**

*Astrid Twenebowa Larssen, Toni Robertson, Jenny Edwards, University of Technology, Sydney*

**Playing the e-Business Game in 3D Virtual Worlds**

*Helmut Berger, Michael Dittenbach, Dieter Merkl, Anton Bogdanovych, Simeon Simoff, Carles Sierra, EC3 E-Commerce Competence Center, Vienna University of Technology, University of Technology Sydney, Artificial Intelligence Research Institute (IIIA), Barcelona*

**The Antiusability Manifesto**

*John Lenarcic, School of Business Information Technology, RMIT University*

**friday november 24**

9.00 – 10.30

**short papers: fieldwork:** lecture theatre 3

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**Embracing Errorful Automatic Speech Recognition: Field Work and Scenarios**

*Ben Kraal, Anni Dugdale, Penny Collings, QUT, University of Canberra*

**Designing for Place-Based Social Interaction of Urban Residents in México, South Africa and Australia**

*Marcus Foth, Victor M. Gonzalez, Wallace Taylor, Queensland University of Technology, University of Manchester, Cape Peninsula University of Technology*

**Case Study for a Virtual Office Tailored to the Digital Media Production Industry**

*Claudia Schremmer, CSIRO ICT Centre*

**Technology Designers as Technology Users: the Intertwining of Infrastructure and Product**

*Julia Prior, Toni Robertson, John Leaney, University of Technology, Sydney*

**Are disability-access guidelines designed for designers? Do they need to be?**

*Chris Law, Ji Soo Yi, Young Sang Choi, Julie Jacko, RMIT School of Business Information Technology, Health Systems Institute Georgia Institute of Technology*

**A Qualitative Analysis of Local Community Communications**

*Fiona Redhead and Margot Brereton, University of Queensland, Australian Centre for Interaction Design*

**friday november 24**

11.00 – 12.30

**short papers: social: lecture theatre 1**

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**Design for Inspiration: Children, personal connections and educational technology**

*Peta Wyeth, Carla Diercke, Stephen Viller, University of Queensland*

**Translating principles of web design and information architecture to the development of interactive television (iTV) interfaces**

*Linda Leung, Scott Bryant, Adrienne Tan, Institute for Interactive Media & Learning, University of Technology, Institute for Interactive Media & Learning, University of Technology Sydney, BrainMates*

**InfoScent Evaluator: A semi-automated tool to evaluate hyperlinks' semantic appropriateness of a web site**

*Christos Katsanos, Nikolaos Tselios, Nikolaos Avouris, Electrical and Computer Engineering Department and Department of Educational Sciences and Early Childhood Education, University of Patras, Rio, Greece*

**The Wiki: an environment to revolutionise employees' interaction with corporate knowledge**

*Helen Hasan, Charmaine Pfaff, University of Wollongong*

**Social Software for Industrial Interaction**

*Toni Koskinen, Software Business and Engineering Institute, Helsinki University of Technology*

**Designing Cultural Probes for Children**

*Peta Wyeth, Carla Diercke, University of Queensland*

**friday november 24**

11.00 – 12.30

**short papers: modality: lecture theatre 2**

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**Examining Redundancy in Multimodal Input**

*Natalie Ruiz, Ronnie Taib, Fang Chen, School of Computer Science and Engineering, UNSW, National ICT Australia, National ICT Australia Sydney, Australia*

**Applying Reach in Direct Manipulation User Interfaces**

*Aaron Toney, Bruce Thomas, University of South Australia*

**Estimating Virtual Touchscreen for Fingertip Interaction with Large Displays**

*Kelvin Cheng, Masahiro Takatsuka, The University of Sydney, National ICT Australia, ViSLAB, The University of Sydney National ICT Australia*

**A Novel Method for Multi-sensory Data Fusion in Multimodal Human Computer Interaction**

*Yong Sun, Fang Chen, Yu (David) Shi, Vera Chung, Multimodal User Interaction National ICT Australia*

**Grammar, meaning and movement-based interaction**

*Ben Matthews, Mads Clausen Institute, University of Southern Denmark*

**Augmented Reality Authoring: Generic Context from Programmer to Designer**

*Alastair Hampshire, Hartmut Seichter, Raphael Grasset, Mark Billingham, Hit Lab NZ, School of Computer Science and Information Technology University of Nottingham, HIT Lab NZ*

**friday november 24**

11.00 – 12.30

**short papers: evaluation: lecture theatre 3**

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**Design of an advanced telemedicine system for emergency care**

*Jane Li, Laurie Wilson, Stuart Stapleton, Patrick Cregan, CSIRO Australia, CSIRO ICT centre Australia, Nepean Hospital Sydney West Area Health Service Australia*

**Gaze Analysis in Remote Collaborative Setting**

*Cara Stitzlein, Jane Li, Alex Krumm-Heller, CSIRO*

**Socializing Across Channels: Group multimodal communication**

*Clint Heyer and Margot Brereton, University of Queensland, Australasian CRC for Interaction Design*

**Usability Problems: Do Software Developers Already Know?**

*Rune Thaarup Høegh, Aalborg University*

**A Design Science Approach to an HCI Research Project**

*Sisira Adikari, Craig McDonald, Penny Collings, University of Canberra, Australian Taxation Office*

**Building Effective Help Systems: Modelling Human Help Seeking Behaviour**

*Matthew Willis, University of Newcastle*