

Proceedings of the 1st Nordic Conference of Computer-Human Interaction

Session-Based Table of Contents

(Click on any title to read the paper)

Keynotes

Cooperative Design Perspectives on 20 years with “the Scandinavian IT Design Model”

Susanne Bødker, DAIMI, Aarhus University, Denmark, Pelle Ehn, Art and Communication, Malmö University, Sweden, Dan Sjögren, NUTEK, Sweden and Yngve Sundblad, CID, NADA, KTH, Sweden

Video clips from the UTOPIA project (click to view)

CHI and Human Thinking

Peter Naur, Denmark

If IT Can't be Used by All, We Won't Buy IT (Plenary paper by Clas Thorén)

Knut Nordbye and Clas Thorén

Cooperative Design and Personal Utopias: Opportunities and Challenges for Nordic CHI in a Networked World

Jonathan Grudin, Microsoft, U.S.A

Papers

Session 1: Information Technology and Learning

From Action Research to Dialogue design - Mutual Learning as a Guiding Principle

Lone Dirckinck-Holmfeld, Janni Nielsen & Oluf Danielsen, Aalborg University, Copenhagen Business School and Roskilde University, Denmark

On-Line Reviewing with Change Representation Tools

Hee-Cheol (Ezra) Kim, Royal Institute of Technology, Sweden

The Design of Interactive Media for Learners in an Organisational Setting - The State of the Art

Cecilia Katzeff, Framkom, Sweden

Session 2: Usability, Users and Visitors

Visitor Oriented Design: Three Studies of Visitor Accommodation and a Call for Action

Anders Hedman, Royal Institute of Technology, Sweden

Usability Testing of Interactive Multimedia Services

Ebba Thora Hvannberg & Marta Kristin Larusdottir, University of Iceland and EJS ehf., Iceland

Studying Users for Developing Usable and Useful Products

Sari Kujala & Martti Mäntylä, Helsinki University of Technology, Finland

Session 3: Mobile devices**Designing for Mobility: an Integration Approach to Support Mobile Technologies**

Christina Nielsen & Astrid Søndergaard, Aarhus University, Denmark

DeskPanel - A Proximity-Based Information Panel for Locally Mobile Staff

Per Dahlberg & Johan Sanneblad, Victoria Institute, Sweden

Session 4: Ubiquitous Computing and Mobile Interaction**mCAT - a Method for Co-ordination Across Technologies**

Kari Hamnes & Silja Nyhus, Telenor, Norway

The Effect of Mental Models Guiding Users' Action in Mobile Phone Answering Situations

Kati Hyypä Sakari Tamminen, Ismo Hautala, Lauri Repokari, Helsinki University of Technology, Finland

An Action Control but no Action: Users Dismiss Single-Handed Navigation on PDAs

Magnus Jacobsson, Mikael Goldstein, Mikael Anneroth, Jost Werdenhoff & Didier Chincholle, Ericsson Research, Kista, Sweden

Session 5: Field work**Ethnographic Fieldwork under Industrial Constraints: Towards Design-in-Context**

Werner Sperschneider & Kirsten Bagger, Danfoss A/S, Denmark

The Personal Bucket Organizer: Supporting Spatially Distributed Interaction on a Waste Water Plant

Tomas Sokoler, Thomas Binder, Jörn Nilsson & Nina Wetcke, Interactive Institute, Sweden

Localisation, Orientation and Recognition of Alarms: A Comparison between Three Alarm Systems in Use

Marcus Sánchez Svensson, Hans Tap and Astrid Selling Sjöberg, University of Karlskrona/Ronneby, Sweden

Session 6: Exploring New Frontiers of Interaction (Short Papers)**View vs. Overview - Visualizing Hierarchical Data in Desktop Virtual Reality**

David K. Modjeska, University of Toronto, Canada

Every Object Tells a Story: Physical Interfaces for Digital Storytelling

Lars Erik Holmquist, Interactive Institute, Sweden, Magnus Helander, Icon Medialab U.K.
and Steve Dixon, University of Salford, United Kingdom

Contextual Virtual Reality Prototyping: Co-operative User-Centered Design Using Distributed Simulations

Tony Manninen, University of Oulu, Finland

Communities of Conflict or Conversation? Online Discourses in a Web-Gallery

Lars Svensson, Carsten Sørensen, Hanna Fägerlind, and Tomas Lindroth, University of Trollhättan Uddevalla, Sweden.

Genres and Design Considerations of iTV Cases

Stefan Holmlid, Mattias Arvola, Linköpings universitet & Fredrik Ampler, Linq, Sweden

Coordination through Focused Media Spaces

Maria Normark, Royal Institute of Technology, Sweden

Session 7: Usability and User Centered Design (Short papers)**What Makes a Virtual Community Work?**

Daniel Pargman, Linköpings University, Sweden

Expressing Trust

Kristiina Karvonen and Ursula Holmström, Helsinki University of Technology, Finland

Explaining Recommendation through User Groups

Jarmo Laaksolahti, Swedish Institute of Computer Science, Sweden

A Study of Mental Workload in Mouse and Keyboard Input

Anker H. Jørgensen, IT-university of Copenhagen, and Bente R. Jensen, Bjarne Laursen and Anne H. Garde, National Institute of Occupational Health, Denmark

Individual and Pair Performance in Usability Tests

Eija Suikola, Teamware Group, Finland

Gaining Staff Commitment to User-Centered Design by Performing Usability Assessment - Key Lessons Learned

Mikko Jämsä and Pekka Abrahamsson, University of Oulu, Finland

Session 8: User Studies of Accessibility**User Study of Video Mediated Communication in the Domestic Environment with Intellectually Disabled Persons**

Stefan Junestrand, Ulf Keijer, Göran Molin & Konrad Tollmar, Interactive Institute and Royal Institute of Technology, Sweden

The video presentation from conference in QuickTime format ([click to view](#))

Session 9: Visualisation and Aesthetics**What Does the User do: A tool for Visualising the Novice User's Interaction Relative to Optimum Path**

Mikael Goldstein, Jost Werdenhoff & Thomas Backström, Ericsson Research, Kista, Sweden

Visualizing Discussion History

Jarkko Leponiemi, University of Tampere, Finland

Interaction styles: An Aesthetic Sense of Direction in Interface Design

Trond Are Øritsland and Jacob Buur, Norwegian University of Science and Technology, NORWAY and Danfoss A/S, Denmark

Session 10: Information Management**Give the Boss a Break from email: Managers and their Communication**

Olle Bälter, Royal Institute of Technology, Sweden

Information Seeking is Social

Kaisa Soininen & Eija Suikola, Teamware Group, Finland

Back to Basics: Is a Better Understanding of the Internet a Precursor for Effective Use of the Web?

Louise Sheeran & M. Angela Sasse, Jon Rimmer & Ian Wakeman, University College London & University of Sussex, United Kingdom

Session 11: Empathy, Learning and User Experiences (Short papers)**Feeling Good - A Case Study of Empathic Design Methods**

Tuuli Mattelmäki & Katja Battarbee, University of Art and Design, Helsinki, Finland

Design for User Experience - Method Lessons from a Design Student Workshop

Katja Battarbee, Tuuli Mattelmäki, University of Art and Design and Anu Mäkelä, Helsinki University of Technology, Finland

Informal Feedback in Distance Education

Lars Svensson & Carsten Sørensen, University of Trollhättan, Uddevalla, Sweden

Dynamic Libraries as a Means for the Management of Information Browsing Networks

Anne Håkansson & Lars Oestreicher, Uppsala University, Sweden

Designing Interactive Simulations that Integrate Physical and Computational Media

Marcelo Milrad, Framkom, Sweden

Scaffolds for Users of Interactive Learning Media

Cecilia Katzeff & Elin Lundborg, Framkom, Sweden

Session 12: Input Techniques and Mobile Interaction (Short papers)**6DOF Input Device Usability Test in a CAD Task**

Martin Sundin, Josef Weiss, Swiss Federal Institute of Technology Zürich, Switzerland, and
Gunilla Sundin, Royal Institute of Technology, Sweden

Evaluating a Usability Capability Assessment

Netta Iivari & Timo Jokela, University of Oulu, FINLAND

Low Cost Test of Menu Texts

Georg Strom, L. M. Ericsson A/S, Denmark

The Effectiveness of Symbol and Color Coding in Mobile Phone Keys

Kati Hyypä, Viljami Salmela and Lauri Repokari, Helsinki University of Technology,
Finland

Collaborative Use of Mobile Telephones: A Field Study of Swedish Teenagers

Alexandra Weilenmann and Catrine Larsson, Victoria Institute, Sweden

**Channel- vs. Person-orientation on Mobile Communication Devices, Using Usability
Testing to Design Future User Interfaces**

Jens Bergqvist & Senja Edvardsson, Victoria Institute, Sweden

Demonstrations and Posters

Demonstrations

BRAINBALL - Using Brain Activity for Cool Competition

Sara Ilstedt Hjelm, Esbjörn Eriksson, Carolina Browall, Interactive Institute, Sweden

Using Fisheye for Navigation on Small Displays

Patrik Bäckvall, Per Mårtensson & Pernilla Qvarfordt, Linköping University, Sweden

PMA - Personal Multimedia Assistant - A Simulation of a Multimedia Mobile Phone

Titti Kallio, Sonera, Finland

Freefeed - Instead of Forms

Youssef Ali, Lars Hallnäs, Mats Jontell, Nader Nazari & Olof Torgersson, Chalmers University of Technology and Göteborg University, Sweden

Interactive Layout Techniques for Conceptual Schema Editors

Roope Raisamo & Tapio Niemi, University of Tampere, Finland

Enhancing Visual Comparisons in Interactive Graphs

Mika Käki, University of Tampere, Finland

Sound Effects in Search of Causes. Storytelling with Psst! - The Programmable SoundScape Toy

Ylva Gislén, Åsa Harvard, Simon Lövind, Interactive Institute, Sweden

Every Object Tells a Story: Physical Interfaces for Digital Storytelling

Lars Erik Holmquist, Interactive Institute, Sweden, Magnus Helander, Icon Medialab U.K. and Steve Dixon, University of Salford, U.K.

Posters

Multi-user Network Games for the Visually Impaired: Using Tactile and Auditory Interface to Graphical Screen

Satoshi Ina, Tsukuba College of Technology, Japan

Navigation and Learning - A Cognitive Analysis of User Tasks in Electronic Information Spaces

Peter Lönnqvist & Nils Dahlbäck, Swedish Institute of Computer Science, Sweden

Roadguards Assisted by Mobile Technology

Mattias Esbjörnsson, Victoria Institute, Sweden

The WebAwareness Experience - Enhancing a Website with People

Lars Svensson, Stefan Nilsson, Fredrik Bengtsson, and Christian Johansson, University of Trollhättan Uddevalla, Sweden

Mapping out and constructing user needs – in developing online public services

Annelie Ekelin, University of Karlskrona/Ronneby, Sweden

Role Playing Games for Concept Design of Mobile Services - A Participatory Design Session to Envision with Users Future Mobile Services

Giulio Iacucci and Eerik Vesterinen, Helsinki University of Technology, Finland

WAP User Interfaces

Titti Kallio and Toni Komu, Sonera, Finland

Mind Your Own Business - Searching for Support for Information and Interaction Overload

Bo-Göran Bernheim, Semcom and Lars Svensson, University of Trollhättan Uddevalla, Sweden

“Production First, Reflection Later” – An Emerging Methodology for Research in Cross-Disciplinary Groups

Michael Barner Rasmussen, Aarhus University, Denmark