

Wednesday September 14, 2005

9:00-9:30

Room: Auditorium

Opening Ceremony

9:30-10:30

Room: Auditorium

- Sketching and Experience Design
Invited Speaker - Bill Buxton

11:00-13:00

Room: 1

Session: Haptic and Tangible Interfaces

- An Investigation into the Use of Tactons to Present Progress Information
Stephen Brewster, Alison King
- Haptizing Wind on a Weather Map with Reactive Force and Vibration
Masaki Omata, Masami Ishihara, Misa Grace Kwok, Atsumi Imamiya
- Using ARToolKit Markers to Build Tangible Prototypes and Simulate Other Technologies
Eva Hornecker, Thomas Psik
- Augmented Reality Painting and Collage: Evaluating Tangible Interaction in a Field Study
Giulio Jacucci, Antti Oulasvirta, Antti Salovaara, Thomas Psik, Ina Wagner

11:00-13:00

Room: 2

Session: Novel User Interfaces

- Hotaru: Intuitive Manipulation Techniques for Projected Displays of Mobile Devices
Masanori Sugimoto, Kosuke Miyahara, Hiroshi Inoue, Yuji Tsunesada
- DIZI: A Digital Ink Zooming Interface for Document Annotation
Maneesh Agrawala, Michael Shilman
- TractorBeam Selection Aids: Improving Target Acquisition for Pointing Input on Tabletop Displays
J. Karen Parker, Regan L. Mandryk, Michael N. Nunes, Kori M. Inkpen
- Responsive Interaction Based on Sketch in Concept Styling
Li Han, Giuseppe Conti, Raffaele De Amicis

11:00-13:00

Room: 3

Session: Improving Search Techniques

- Natural Language Query vs. Keyword Search: Effects of Task Complexity on Search Performance, Participant Perceptions, and Preferences
QianYing Wang, Clifford Nass, Jiang Hu
- "THAT's What I Was Looking For": Comparing User-Rated Relevance with Search Engine Rankings
Sameer Patil, Sherman R. Alpert, John Karat, Catherine Wolf
- Effects of Display Configurations on Document Triage
Soonil Bae, Rajiv Badi, Konstantinos Meintanis, J. Michael Moore, Anna Zacchi, Haowei Hsieh, Catherine C. Marshall, Frank M. Shipman
- Searching for Music: How Feedback and Input-Control Change the Way we Search
Tue Haste Andersen

11:00-13:00

Room: 4

Session: Model-based Design

- Galactic Dimensions: a Unifying Workstyle Model for User-Centered Design
Pedro Campos, Nuno J. Nunes
- A Formal Description of Multimodal Interaction Techniques for Immersive Virtual Reality Applications
David Navarre, Philippe Palanque, Rémi Bastide, Amélie Schyn, Marco Winckler, Luciana P. Nedel, Carla M.D.S. Freitas
- Analysing User Confusion in Context Aware Mobile Applications
Karsten Loer, Michael D. Harrison
- Attach me, Detach me, Assemble me like You Work
Donatien Grolaux, Jean Vanderdonckt, Peter Van Roy

Wednesday September 14, 2005

14:30-16:00

Room: 1

Session: Interacting with Mobile Devices

- Bringing Dynamic Queries to Mobile Devices: a Visual Preference-based Search Tool for Tourist Decision Support
Stefano Burigat, Luca Chittaro, Luca De Marco
- Mobile Photo Browsing with Pipelines & Spatial Cues
Tero Hakala, Juha Lehtikainen, Hannu Korhonen, Aino Ahtinen
- Visual Interface and Control Modality: An Experiment about Fast Photo Browsing on Mobile Devices
QianYing Wang, Susumu Harada, Tony Hsieh, Andreas Paepcke

14:30-16:00

Room: 2

Session: Accessibility

- The Effect of Age and Font Size on Reading Text on Handheld Computers
Iain Darroch, Joy Goodman, Stephen Brewster, Phil Gray
- Fat Finger Worries: How Older and Younger Users Physically Interact with PDAs
Katie A. Siek, Yvonne Rogers, Kay H. Connelly
- Flexible Reporting for Automated Usability and Accessibility Evaluation of Web Sites
Abdo Beirekdar, Marc Keita, Monique Noirhomme, Frédéric Randolet, Jean Vanderdonckt, Céline Mariage

14:30-16:00

Room: 3

SIG

IFIP Working Group on Human-Work Interaction Design

Torkil Clemmensen, Rikke Orngreen, Annelise Mark Pejtersen

14:30-16:00

Room: 4

Panel

The Challenge of Personal Information Management

William Jones, Mary Czerwinski, Jaime Teevan, Catherine Plaisant, Thomas P. Moran, and Alan Dix

Wednesday September 14, 2005

16:30-18:00

Room: 1

Session: Information Visualization and User Studies (short papers)

- Large Visualizations for System Monitoring of Complex Heterogenous Systems
Daniel M. Russell, Andreas Dieberger, Varun Bhagwan, Daniel Gruhl
- The Challenge of Visualizing Patient Histories on a Mobile Device
Carmelo Ardito, Paolo Buono, Maria Francesca Costabile
- Static Visualization of Temporal Eye-Tracking Data
Kari-Jouko Rähkä, Anne Aula, Päivi Majaranta, Harri Rantala, Kimmo Koivunen
- Analytic Worksheets: A Framework to Support Human Analysis of Large Streaming Data Volumes
Grace Crowder, Sterling Foster, Daniel M. Russell, Malcolm Slaney, Lisa Yanguas
- Hundreds of Folders or One Ugly Pile – Strategies for Information Search and Re-access
Anne Aula, Harri Siirtola
- Exploring Results Organisation for Image Searching
Jana Urban, Joemon M. Jose

16:30-18:00

Room: 2

Session: Computer-mediated Communication and Mobility (short papers)

- The SenseMS: Enriching the SMS experience for Teens by Non-verbal Means
Alia K. Amin, Bram Kersten, Olga A. Kulyk, Elly Pelgrim, Jimmy Wang, Panos Markopoulos
- TextTone: Expressing Emotion Through Text
Ankur Kalra, Karrie Karahalios
- Lock-on-Chat: Boosting Anchored Conversation and its Operation at a Technical Conference
Takeshi Nishida, Takeo Igarashi
- BROAFERENCE - A Next Generation Multimedia Terminal Providing Direct Feedback on Audience's Satisfaction Level
Uwe Kowalik, Terumasa Aoki, Hiroshi Yasuda
- ChatAmp: Talking with Music and Text
M. Ian Graham, Karrie Karahalios
- The Optimal Focus Position when Scrolling Using a Small Display
James Whalley, Andrew Monk

16:30-18:00

Room: 3

Session: Group Work and Tabletop Interaction (short papers)

- Relevance of Prior Experience in MHP based Interactive TV Services
Regina Bernhaupt, Bernd Ploderer, Manfred Tscheligi
- Preference-Based Group Scheduling
Jiang Hu, Mike Brzozowski
- Under My Finger: Human Factors in Pushing and Rotating Documents Across the Table
Clifton Forlines, Chia Shen, Frédéric Vernier, Mike Wu
- DocuBits & Containers: Providing e-Document Micro-Mobility in a Walk-up Interactive Tabletop Environment
Katherine Everitt, Chia Shen, Kathy Ryll, Clifton Forlines
- Transcription Table: Text Support During Meetings
Joris van Gelder, Irene van Peer, Dzmitry Aliakseyeu
- Common Ground to Analyse Privacy Coordination in Awareness Systems
Natalia A. Romero, Panos Markopoulos

16:30-18:00

Room: 4

Session: Intelligent Interfaces

- The Focus-Metaphor Approach: A Novel Concept for the Design of Adaptive and User-Centric Interfaces
Sven Laqua, Paul Brna
- Working Out a Common Task: Design and Evaluation of User-Intelligent System Collaboration
Daniela Petrelli, Vitaveska Lanfranchi, Fabio Ciravegna
- Interactivity and Expectation: Eliciting Learning Oriented Behavior with Tutorial Dialogue Systems
Carolyn Penstein Rosé, Cristen Torrey

Thursday September 15, 2005

9:00-10:00

Room: Auditorium

- Intelligent Architecture: Embedding Spaces with a Mind for Augmented Interaction
Invited Speaker - Flavia Sparacino

10:00-11:00

Room: 1

Session: Large Displays

- Put Them Where? Towards Guidelines for Positioning Large Displays in Interactive Workspaces
Ramona E. Su, Brian P. Bailey
- Analysis of User Behavior on High-Resolution Tiled Displays
Robert Ball, Chris North

10:00-11:00

Room: 2

Session: 3D and Virtual Environments (short papers)

- 3D Syllabus: Interactive Visualization of Indexes to Multimedia Training Content
Kyuman Song, Surapong Lertsithichai, Patrick Chiu
- A Navigation and Examination Aid for 3D Virtual Buildings
Luca Chittaro, Vijay Kumar Gatla, Subramanian Venkataraman
- Virtual Reflections and Virtual Shadows in Mixed Reality Environments
Frank Steinicke, Klaus Hinrichs, Timo Ropinski
- Cooking with the Elements: Intuitive Immersive Interfaces for Augmented Reality Environments
Leonardo Bonanni, Chia-Hsun Lee, Ted Selker

10:00-11:00

Room: 3

Session: Collaboration

- Interaction and Co-located Collaboration in Large Projection-based Virtual Environments
Andreas Simon, Armin Dressler, Hans-Peter Krüger, Sascha Scholz, Jürgen Wind
- Using Real-Life Troubleshooting Interactions to Inform Self-Assistance Design
Jacki O'Neill, Antonietta Grasso, Stefania Castellani, Peter Tolmie

10:00-11:00

Room: 4

Session: Adaptive and Adaptable Systems (short papers)

- Learners' Perceived Level of Difficulty of a Computer-Adaptive Test: A case Study
Mariana Lilley, Trevor Barker, Carol Britton
- How to Communicate Recommendations? Evaluation of an Adaptive Annotation Technique
Federica Cena, Cristina Gena, Sonia Modeo
- Adaptive User Interfaces Development Platform
Jing-Hua Ye, John Herbert
- Adapting the ADS for High Volume Manufacturing
Connor Upton, Gavin Doherty

Thursday September 15, 2005

11:30-13:00

Room: 1

Session: Usability Evaluation

- Feedback from Usability Evaluation to User Interface Design: Are Usability Reports Any Good?
Christian M. Nielsen, Michael Overgaard, Michael B. Pedersen, Jan Stage
- Assessing Interaction Styles in Web User Interfaces
Alistair Sutcliffe, Antonella De Angeli
- Usability Specialists - 'a Mommy Mob', 'Realistic Humanists' or 'Staid Researchers'? An Analysis of Usability Work in the Software Product Development
Netta Iivari

11:30-13:00

Room: 2

Session: Grasping, Gazing, Gesturing (short papers)

- Immersive Live Sports Experience with Vibrotactile Sensation
Beom-Chan Lee, Junhun Lee, Jongeun Cha, Changhoon Seo, Jeha Ryu
- Smooth Haptic Interaction in Broadcasted Augmented Reality
Jongeun Cha, Beom-Chan Lee, Jong-phil Kim, Seungjun Kim, Jeha Ryu
- A Laser Pointer/Laser Trails Tracking System for Visual Performance
Kentaro Fukuchi
- Effects of Display Layout on Gaze Activity during Visual Search
Jérôme Simonin, Suzanne Kieffer, Noëlle Carbonell
- Eye-tracking Reveals the Personal Styles for Search Result Evaluation
Anne Aula, Päivi Majaranta, Kari-Jouko Rähä
- Hotspot Components for Gesture-Based Interaction
Alejandro Jaimes, Jianyi Liu

11:30-13:00

Room: 3

Session: Design and Models (short papers)

- Development of Multi-Modal Interfaces in Multi-Device Environments
Silvia Berti, Fabio Paternò
- Analysing Trans-Modal Interface Migration
Renata Bandelloni, Silvia Berti, Fabio Paternò
- Inferring Relations between Color and Emotional Dimensions of a Web Site Using Bayesian Networks
Eleftherios Papachristos, Nikolaos Tselios, Nikolaos Avouris
- Abbrevicons: Efficient Feedback for Audio Interfaces
Matthew Hockenberry, Sharon Cohen, Zachary Ozer, Tiffany Chen, Ted Selker
- Icon Use by Different Language Groups: Changes in Icon Perception in Accordance with Cue Utility
Siné McDougall, Alexandra Forsythe, Lucy Stares
- User Aspects of Explanation Aware CBR Systems
Jörg Cassens

11:30-13:00

Room: 4

Panel

Creative Interaction Futures

Bill Buxton, Mary Czerwinski, Ernest Edmonds, Tom Hewett, Philippe Palanque, Doug Riecken

Thursday September 15, 2005

14:30-16:00

Room: 1

Session: Children's Interfaces and their Evaluation

- Exposing Middle School Girls to Programming via Creative Tools
Gahgene Gweon, Jane Ngai, Jenica Rangos
- Exploring Verbalization and Collaboration of Constructive Interaction with Children
Benedikte S. Als, Janne J. Jensen, Mikael B. Skov
- A Structured Expert Evaluation Method for the Evaluation of Children's Computer Games
Ester Baauw, Mathilde M. Bekker, Wolmet Barendregt

14:30-16:00

Room: 2

Session: Mobile Devices and their Usability (2 full + 2 short papers)

Chair: Nome Chair (Nazione)

- Usability Testing of Mobile Devices: A Comparison of Three Approaches
Adriana H. Betiol, Walter de Abreu Cybis
- Evaluating the Effectiveness of "Effective View Navigation" for Very Long Ordered Lists on Mobile Devices
Luca Chittaro, Luca De Marco
- Mobile Reacher Interface for Intuitive Information Navigation
Yuichi Yoshida, Kento Miyaoku, Takashi Satou, Suguru Higashino
- Recognition Errors and Recognizing Errors – Children Writing on the Tablet PC
Janet Read, Emanuela Mazzone, Matthew Horton

14:30-16:00

Room: 3

Demo

- Visual Error Resolution Strategy for highly-structured text entry using Speech Recognition in FP6-ALLADIN project
Xavier Ricco, Stéphane Deketelaere, Jo De Lafonteyne, Alexandre Girardi
- BuddyBeads: Techno-Jewelry for non verbal communication within Teenager Girls Groups
Ruth Kikin-Gil
- Interaction of Animations with PDA for Learning in Museum
Fusako Kusunoki, Takako Ymaguti, Hideki kaji, Takuichi Nishimura, Kouji Yatani, Masanori Sugimoto
- Eco pods: tangible User interfaces for early learning of Systems thinking
Erez Kikin-Gil
- Support for Migration through Graphical and Vocal Interfaces in Multi-Device Environments
Renata Bandelloni, Silvia Berti, Fabio Paternò
- A Method to Detect Emotion of Text for Automatic Reading System
Toshimitu Tukamoto, Futoshi Sugimoto, Masahide Yoneyama
- iSonic: Interactive Sonification for Geo-referenced Data Exploration for the Vision Impaired
Haixia Zhao, Catherine Plaisant, Ben Shneiderman, Franco Delogu, Emanuele Pasqualotto, Massimiliano Palmiero, Marta Olivetti Belardinelli
- The Shared Checklist: Reorganizing the User Experience Around Unified Activities
Alex Cozzi, Tom Moran, Clemens Drews

14:30-16:00

Room: 4

Panel

Context and Emotion Aware Computing

Nadia Bianchi-Berthouze, Antonella De Angeli, Elisa Giaccardi, Christine Lisetti

Thursday September 15, 2005

16:30-18:00

Room: 1

Session: Social Interaction

- Understanding Situated Social Interactions in Public Places
Jeni Paay, Jesper Kjeldskov
- Benefits of Social Intelligence in Home Dialogue Systems
Privender Saini, Boris de Ruyter, Panos Markopoulos, Albert van Breemen
- Evolution of Norms in a Newly Forming Group
Catalina Danis, Alison Lee

16:30-18:00

Room: 2

Organizational Overview

Putting People @ the Centre of Communication & Information Technologies (PACCIT) and the Challenges of Collaborative Research

Anne H. Anderson

Interactive Systems Design Group, Manchester, UK

Alistair Sutcliffe

COST 294: A Usability Research Community

Gilbert Cockton, Ebba Hvannberg, Effie Law, Philippe Palanque, Mark Springett, Christian Stary, Jean Vanderdonck

Session: Universal Access (short papers)

- The Design of an Authoring Interface to Make eLearning Content Accessible
Silvia Gabrielli, Valeria Mirabella, Massimiliano Teso, Tiziana Catarci
- Reducing the Risk of Abandonment of Assistive Technologies for People with Autism
Peter Francis, Lucy Firth, David Mellor
- From Extraneous Noise to Categorizable Signatures: Using Multi-scale Analyses to Assess Implicit Interaction Needs of Older Adults with Visual Impairments
Kevin P. Moloney, V. Kathlene Leonard, Bin Shi, Julie A. Jacko, Brani Vidakovic, François Sainfort

16:30-18:00

Room: 3

SIG

Planes, Pains, and Phosphorane: Usability Studies in Non-Traditional Environments

Kay H. Connelly, Katie A. Siek, Valerie Lafond-Favieres, Gisele Bennett

16:30-18:00

Room: 4

Session: Multimodal Interfaces

- A Comparison between Spoken Queries and Menu-based Interfaces for In-Car Digital Music Selection
Clifton Forlines, Bent Schmidt-Nielsen, Bhiksha Raj, Kent Wittenburg, Peter Wolf
- A Sketching Tool for Designing Anyuser, Anyplatform, Anywhere User Interfaces
Jean Vanderdonck, Adrien Coyette
- FlowMouse: A Computer Vision-Based Pointing and Gesture Input Device
Andrew D. Wilson, Edward Cutrel

Friday September 16, 2005

9:00-11:00

Room: Auditorium

- The Future of Web Interfaces
Invited Speaker - Steve Pemberton

10:00-11:00

Room: 1

Session: Context of Use

- Context of Use Evaluation of Peripheral Displays (CUEPD)
N. Sadat Shami, Gilly Leshed, David Klein
- Improving Cell Phone Awareness by Using Calendar Information
Ashraf Khalil, Kay H. Connelly

10:00-11:00

Room: 2

Session: 3D and Virtual Environments

- Evaluation of 12-DOF Input Devices for Navigation and Manipulation in Virtual Environments
Anke Huckauf, Alexander Speed, André Kunert, Jan Hochstrate, Bernd Fröhlich
- Integration of 3D Data and Text: The Effects of Text Positioning, Connectivity, and Visual Hints on Comprehension
Henry Sonnet, Sheelagh Carpendale, Thomas Strothotte

10:00-11:00

Room: 3

Session: Tools (short papers)

- Supporting Efficient and Reliable Content Analysis using Automatic Text Processing Technology
Gahgene Gweon, Carolyn Penstein Rosé, Joerg Wittwer, Matthias Nueckles
- Multi-platform Online Game Design and Architecture
JungHyun Han, Ingu Kang, Chungmin Hyun, Jong-Sik Woo, Young-Ik Eom
- Segment and Browse: A Strategy for Supporting Human Monitoring of Facial Expression Behaviour
Michael J. Lyons, Mathias Funk, Kazuhiro Kuwabara
- iDwidgets: Parameterizing Widgets by User Identity
Kathy Ryall, Alan Esenther, Katherine Everitt, Clifton Forlines, Meredith Ringel Morris, Chia Shen, Sam Shipman, Frédéric Vernier

10:00-11:00

Room: 4

Session: Computer Supported Cooperative Work (CSCW)

- The Effect of Operational Mechanisms on Creativity in Design
Andy Warr, Eamonn O'Neill
- The Necessity of a Meeting Recording and Playback System, and the Benefit of Topic-Level Annotations to Meeting Browsing
Satanjeev Banerjee, Carolyn Penstein Rosé, Alexander I. Rudnicky

Friday September 16, 2005

11:30-13:00

Room: 1

Session: Understanding Users

- Key Issues in Interactive Problem Solving: An Empirical Investigation on Users Attitude
Gabriella Cortellessa, Vittoria Giuliani, Massimiliano Scopelliti, Amedeo Cesta
- Designing Natural Language and Structured Entry Methods for Privacy Policy Authoring
John Karat, Clare-Marie Karat, Carolyn Brodie, Jinjuan Feng
- Questionnaire-Based Research on Opinions of Visitors for Communication Robots at an Exhibition in Japan
Tatsuya Nomura, Takugo Tasaki, Takayuki Kanda, Masahiro Shiomi, Hiroshi Ishiguro, Norihiro Hagita

11:30-13:00

Room: 2

Session: Interface Design

- A Toolset for Creating Iconic Interfaces for Interactive Workspaces
Jacob T. Biehl, Brian P. Bailey
- Designing Usable Interfaces with Cultural Dimensions
Gabrielle Ford, Paula Kotzé
- Use of Future-Oriented Information in User-Centered Product Concept Ideation
Antti Salovaara, Petri Mannonen

11:30-13:00

Room: 3

Session: Eye-tracking

- Wide vs. Narrow Paragraphs: An Eye Tracking Analysis
David Beymer, Daniel M. Russell, Peter Z. Orton
- Combining Eye Tracking and Conventional Techniques for Indications of User-Adaptability
Ekaterini Tzanidou, Marian Petre, Shailey Minocha, Andrew Grayson
- RealTourist - A Study of Augmenting Human-Human and Human-Computer Dialogue with Eye-Gaze Overlay
Pernilla Qvarfordt, David Beymer, Shumin Zhai

11:30-13:00

Room: 4

Session: Video Browsing

- A Synergistic Approach to Efficient Interactive Video Retrieval
Andreas Girgensohn, John Adcock, Matthew Cooper, Lynn Wilcox
- The Landscape of Time-based Visual Presentation Primitives for Richer Video Experience
Yasuhiro Yamamoto, Kumiyo Nakakoji, Akio Takashima
- Temporal Magic Lens: Combined Spatial and Temporal Query and Presentation
Kathy Ryall, Qing Li, Alan Esenther

Friday September 16, 2005

14:30-16:30

Room: 1

Session: Usability Evaluation and User Studies (1 full + 6 short papers)

- Logging Events Crossing Architectural Boundaries (full paper)
Gregory S. Hartman, Len Bass
- Rater Bias: The Influence of Hedonic Quality on Usability Questionnaires
Stefanie Harbich, Sonja Auer
- Towards the Maturation of IT Usability Evaluation (MAUSE)
Effie L-C Law, Ebba T. Hvannberg, Gilbert Cockton, Philippe Palanque, Dominique Scapin, Mark Springett, Christian Stary, Jean Vanderdonckt
- An X-ray of the Brazilian e-Gov Web Sites
Cristiano Maciel, José Luiz T. Nogueira, Ana Cristina Bicharra Garcia
- An Experiment to Measure the Usefulness of Patterns in the Interaction Design Process
Lester Cowley, Janet L. Wesson
- Testing New Alarms for Medical Electrical Equipment
Alexandra Wee, Penelope Sanderson
- Collaboration with DiamondTouch
Stephen G. Kobourov, Kyriakos Pavlou, Justin Cappos, Michael Stepp, Mark Miles, Amanda Wixted

14:30-16:30

Room: 2

Session: Visualization Techniques

- Representing Unevenly-Spaced Time Series Data for Visualization and Interactive Exploration
Aleks Aris, Ben Shneiderman, Catherine Plaisant, Galit Shmueli, Wolfgang Jank
- Multilevel Compound Tree - Construction Visualization and Interaction
François Boutin, Jérôme Thièvre, Mountaz Hascoët
- Visualizing Missing Data: Graph Interpretation User Study
Cyntica Eaton, Catherine Plaisant, Terence Drisd
- High-Level Visualization of Users' Navigation in Virtual Environments
Lucio Ieronutti, Roberto Ranon, Luca Chittaro

14:30-16:30

Room: 3

Session: Location and Context Awareness

- How Do People's Concepts of Place Relate to Physical Locations?
Changqing Zhou, Pamela Ludford, Dan Frankowski, Loren Terveen
- The Territory is the Map: Exploring the Use of Landmarks in Situ to Inform Mobile Guide Design
Nicola J. Bidwell, Jeff Axup
- Technology in Place: Dialogics of Technology, Place and Self
John McCarthy, Peter Wright
- Interaction and End-User Programming with a Context-Aware Mobile Application
Jonna Häkkinen, Panu Korpipää, Sami Ronkainen, Urpo Tuomela

14:30-16:30

Room: 4

Panel

Trust and Incidental Interaction: Would You Let a Talking Paper Clip Run YOUR Home?
Gordon Baxter, Alan Dix, Andrew Monk, Albrecht Schmidt, Norbert Streitz

14:30-16:30

Closing session