

## Program

### Monday

#### 18:00 Get-together: Performances

Chair: Koray Tahiroglu, Aalto University, Finland

Room: LUME @ Arabia

#### 18:00 Seamless

Kevin Logan, University of the Arts London, United Kingdom

#### 18:15 Fields

Sébastien Piquemal, Aalto University, Finland

Tim Shaw, Newcastle University, United Kingdom

#### 18:30 Solitude Silence

Thomas Bjelkeborn, Club Lamour, Sweden

Michael Larson, Club Lamour, Sweden

#### 18:45 Stream Dye: An Interactive Multimedia Performance with a Textile Interface

Yuan Wang, New York University, United States

### Tuesday

#### 09:00 Conference Opening

Chair: Virpi Roto, Aalto University, Finland & Jonna Häkkinä, University of Lapland, Finland, ,

Room: Fennia I & II

#### 09:00 Keynote: Fun, Fast, Foundational

Don Norman, UC San Diego, United States

#### 11:00 Industry Experiences: New approaches to practical UX work

Chair: Anne Kaikkonen, Cresense Oy, Finland

Room: Fennia II

#### 11:00 Yarn: a Product for Unraveling Stories

Susan Buenafe, Carnegie-Mellon University and Madeira-ITI, Portugal

Luis Guzman, Carnegie-Mellon University and Madeira-ITI, Portugal

Namrata Kannan, Carnegie-Mellon University and Madeira-ITI, Portugal

Kristine Mendoza, Carnegie-Mellon University and Madeira-ITI, Portugal

Nuno Jardim Nunes, Madeira-ITI, Portugal

Valentina Nisi, Madeira-ITI, Portugal

Pedro Campos, Madeira-ITI, Portugal

Frederica Gonçalves, Madeira-ITI, Portugal

Miguel Campos, WowSystems, Portugal

Paulo Freitas, WowSystems, Portugal

#### 11:20 User Research's Strategic Value in Digital Product Design

Michael Leitner, create-mediadesign GmbH, Austria

#### 11:40 Evaluating Delight in the User Experience of Smartphones - Case Nokia

Heli Rantavuo, Microsoft, United Kingdom

Andrew Harder, Canonical, United Kingdom

#### 12:00 On the Handling of Impedance Factors for Establishing Apprenticeship Relations during Field Studies in Industry Domains

Petra Björndal, KTH and ABB Corporate Research, Sweden

Maria Ralph, ABB Corporate Research, Sweden

#### 11:00 Papers: Away from keyboard

Chair: Eve Hoggan, Helsinki Institute of Information Technology, Finland

Room: Nordia

#### 11:00 Thaddeus: A Dual Device Interaction Space for Exploring Information Visualisation

Paweł Woźniak, Chalmers University of Technology, Sweden

Lars Lischke, University of Stuttgart, Germany  
Benjamin Schmidt, University of Stuttgart, Germany  
Shengdong Zhao, National University of Singapore, Singapore  
Morten Fjeld, Chalmers University of Technology, Sweden

**11:20 Sparkle: An Ambient Light Display for Dynamic Off-Screen Points of Interest**

Heiko Mueller, OFFIS Institute for Information Technology, Germany  
Andreas Löcken, OFFIS Institute for Information Technology, Germany  
Wilko Heuten, OFFIS Institute for Information Technology, Germany  
Susanne Boll, University of Oldenburg, Germany

**11:40 Effects of Directional Non-Speech Cues in a Cognitively Demanding Navigation Task**

Tomi Nukarinen, University of Tampere, Finland  
Roope Raisamo, University of Tampere, Finland  
Ahmed Farooq, University of Tampere, Finland  
Grigori Evreinov, University of Tampere, Finland  
Veikko Surakka, University of Tampere, Finland

**11:50 Gaze-Contingent Scrolling and Reading Patterns**

Kari-Jouko Rähä, University of Tampere, Finland  
Selina Sharmin, University of Tampere, Finland

**12:00 Exploring History: a Mobile Inclusive Virtual Tourist Guide**

Charlotte Magnusson, Lund University, Sweden  
Kirsten Rasmus-Gröhn, Lund University, Sweden  
Delphine Szymczak, Lund University, Sweden

**11:00 Papers: UX evaluation**

Chair: Marta Larusdottir, Reykjavik University, Iceland

**Room: Fennia I**

**11:00 Mixed Feelings? The Relationship between Perceived Usability and User Experience in the Wild**

Eeva Raita, University of Helsinki and Helsinki Institute for Information Technology HIIT, Finland  
Antti Oulasvirta, Aalto University, Finland

**11:20 How Relevant is an Expert Evaluation of User Experience based on a Psychological Needs-Driven Approach?**

Carine Lallemand, Public Research Centre Henri Tudor, Luxembourg  
Vincent Koenig, University of Luxembourg, Luxembourg  
Guillaume Gronier, Public Research Centre Henri Tudor, Luxembourg

**11:40 Convenient, clean, and efficient? The experiential costs of everyday automation**

Marc Hassenzahl, Folkwang University of the Arts, Germany  
Holger Klapperich, Folkwang University of the Arts, Germany

**12:00 Visual impressions of mobile app interfaces**

Aliaksei Miniukovich, University of Trento, Italy  
Antonella De Angeli, University of Trento, Italy

**13:20 Industry Experiences: Incorporating Agile and UX**

Chair: Anne Kaikkonen, Cresense Oy, Finland

**Room: Fennia II**

**13:20 Redesign Workshop: Involving Software Developers Actively in Usability Engineering**

Nis Borneo, Aalborg University, Denmark  
Jane Billestrup, Aalborg University, Denmark  
Jesper Lumbye Andersen, TC Electronic, Denmark  
Jan Stage, Aalborg University, Denmark  
Anders Bruun, Aalborg University, Denmark

**13:40 Lean UX - The Next Generation of User-Centered Agile Development?**

Lassi Liikkanen, SC5 Online Ltd., Finland

Harri Kilpiö, SC5 Online Ltd., Finland  
Lauri Svan, SC5 Online Ltd., Finland  
Miko Hiltunen, SC5 Online Ltd., Finland

**14:00 Creative Sprints: An Unplanned Broad Agile Evaluation and Redesign Process**

Igor Garnik, Gdansk University of Technology, Poland  
Marcin Sikorski, Gdansk University of Technology, Poland  
Gilbert Cockton, Northumbria University, United Kingdom

**14:20 Selling User Experience to Coders**

Maarit Laanti, Nitor Delta, Finland

**13:20 Papers: Mixed reality**

Chair: Antti Salovaara, Aalto University, Finland

**Room: Nordia**

**13:20 Being There For Real – Presence in Real and Virtual Environments and its Relation to Usability**

Marc Busch, Austrian Institute of Technology GmbH, Austria  
Mario Lorenz, Technical University of Chemnitz, Germany  
Manfred Tscheligi, University of Salzburg, Austria  
Christina Hochleitner, Austrian Institute of Technology GmbH, Austria  
Trenton Schulz, Norwegian Computing Center, Norway

**13:40 Windows to Other Places: Exploring Solutions for Seeing through Walls using Handheld Projection**

Ashley Colley, University of Oulu, Finland  
Olli Koskenranta, University of Oulu, Finland  
Jani Väyrynen, University of Oulu, Finland  
Leena Ventä-Olkkonen, University of Oulu, Finland  
Jonna Häkkinä, University of Lapland, Finland

**14:00 Investigating the Balance between Virtuality and Reality in Mobile Mixed Reality UI Design – User Perception of an Augmented City**

Leena Ventä-Olkkonen, University of Oulu, Finland  
Maaret Posti, University of Oulu, Finland  
Olli Koskenranta, University of Oulu, Finland  
Jonna Häkkinä, University of Lapland, Finland

**14:20 Tackling Fussy Eating by Digitally Augmenting Children's Meals**

Sangita Ganesh, UCL, United Kingdom  
Yvonne Rogers, UCL, United Kingdom  
Kenton O'Hara, Microsoft Research, United Kingdom  
Paul Marshall, UCL, United Kingdom

**13:20 Papers: UX practice**

Chair: Clara Mancini, Open University, United Kingdom

**Room: Fennia I**

**13:20 Usefulness of Long-Term User Experience Evaluation to Product Development: Practitioners' Views from Three Case Studies**

Jari Varsaluoma, Tampere University of Technology, Finland  
Farrukh Sahar, Tampere University of Technology, Finland

**13:40 Design Artefacts as Service Design Concepts – a Case Study From a Telecommunication Domain**

Joanna Kwiatkowska, Tallinn University, Estonia  
Agnieszka Szóstek, Academy of Fine Arts, Poland  
David Lamas, Tallinn University, Estonia

**13:50 The State of User Experience Evaluation Practice**

Rui Alves, Madeira-ITI, Portugal  
Pedro Valente, University of Madeira, Portugal

Nuno Jardim Nunes, Madeira-ITI, Portugal

**14:10 On the Establishment of User-Centred Perspectives**  
Åsa Cajander, Department of Information Technology, Sweden  
Rebecka Janols, Department of Information Technology, Sweden  
Elina Eriksson, KTH, Sweden

**14:30 Assessing HCI-related Practices, Needs and Expectations of Estonian Software Companies**  
Abiodun Ogunyemi, Tallinn University, Estonia  
David Lamas, Tallinn University, Estonia  
Hegle Sarapuu, Trinidad Consulting OÜ, Estonia  
Hanna-Liisa Pender, Tallinn University, Estonia

**15:10 Panel: Wellth Creation**

Chair: M.C. Schraefel, University of Southampton, United Kingdom

**Room: Fennia II**

**15:10 Wellth Creation: Challenges for Proactive Health and Wellbeing ICT Design & Evaluation in HCI**  
Susanne Boll, University of Oldenburg, Germany  
Alan Chamberlain, University of Nottingham, United Kingdom  
Adrian Friday, Lancaster University, United Kingdom  
Albrecht Schmidt, University of Stuttgart, Germany

**15:10 Papers: Audio**

Chair: Thomas Olsson, Tampere University of Technology, Finland

**Room: Nordia**

**15:10 What's Around the Corner? Enhancing Driver Awareness in Autonomous Vehicles via In-Vehicle Spatial Auditory Displays**  
David Beattie, Glasgow Caldonian University, United Kingdom  
Lynne Baillie, Glasgow Caldonian University, United Kingdom  
Martin Halvey, Strathclyde University, United Kingdom  
Roderick McCall, University of Luxembourg, Luxembourg

**15:30 Using Sound in Multi-Touch Interfaces to Change Materiality and Touch Behavior**  
Ana Tajadura-Jiménez, University College London, United Kingdom  
Bin Liu, University College London, United Kingdom  
Nadia Bianchi-Berthouze, University College London, United Kingdom  
Frédéric Bevilacqua, STMS Lab IRCAM CNRS UPMC, France

**15:40 Hands free – Care free: Elderly People taking Advantage of Speech-only Interaction**  
Linda Wulf, Austrian Institute of Technology GmbH, Austria  
Markus Garschall, Austrian Institute of Technology GmbH, Austria  
Julia Himmelsbach, Austrian Institute of Technology GmbH, Austria  
Manfred Tscheligi, Austrian Institute of Technology GmbH and University of Salzburg, Austria

**15:50 Co-Designing Interactive Tabletop Solutions for Active Patient Involvement in Audiological Consultations**  
Yngve Dahl, SINTEF ICT, Norway  
Hanne Linander, SINTEF Technology and Society, Norway  
Geir Kjetil Hanssen, SINTEF ICT, Norway

**16:10 Designing Voice Interaction for People with Physical and Speech Impairments**  
Jan Derboven, KU Leuven, Belgium  
Jonathan Huyghe, KU Leuven, Belgium  
Dirk De Grooff, KU Leuven, Belgium

**15:10 Papers: Usability evaluation**

Chair: Effie Lai-Chong Law, University of Leicester, United Kingdom

**Room: Fennia I**

**15:10 Mining Until it Hurts: Automatic Extraction of Usability Issues from Online Reviews Compared**

## to Traditional Usability Evaluation

Steffen Hedegaard, University of Copenhagen, Denmark  
Jakob Grue Simonsen, University of Copenhagen, Denmark

### 15:30 Customer Support as a Source of Usability Insight: Why Users Call Support after Visiting Self-service Websites

Asbjørn Følstad, SINTEF, Norway  
Knut Kvale, Telenor Research, Norway  
Ida Maria Haugstveit, SINTEF, Norway

### 15:40 Demographic User Characteristic Sampling for Model-based Usability Evaluation

Matthias Schulz, Technische Universität Berlin, Germany

### 15:50 Rhetorical Evaluation of User Interfaces

Omar Sosa-Tzec, Indiana University, United States  
Martin A. Siegel, Indiana University, United States

### 16:00 Harambee: A Novel Usability Evaluation Method for Low-End Users in Kenya

Cecilia Oyugi, University of West London, United Kingdom  
Jose Abdelnour-Nocera, University of West London, United Kingdom  
Torkil Clemmensen, Copenhagen Business School, Denmark

## Wednesday

### 09:00 Papers: Multiplicity

Chair: Mikael Wiberg, Umeå University, Sweden

#### Room: Nordia

### 09:00 Future Command and Control Systems Should Combine Decision Support and Personalization Interface Features

Jan Willem Streefkerk, TNO, The Netherlands  
Nanja Smets, TNO, The Netherlands  
Michel Varkevisser, Thales R&T, The Netherlands  
Suzanne Hiemstra van Mastrigt, TNO, The Netherlands

### 09:20 Exploring the Design Space of Multiple Video Interaction

Jinyue Xia, University of North Carolina Charlotte, United States  
Vikash Singh, University of North Carolina Charlotte, United States  
David Wilson, University of North Carolina Charlotte, United States  
Celine Latulipe, University of North Carolina Charlotte, United States

### 09:40 How to Transfer Information between Collaborating Human Operators and Industrial Robots in an Assembly

Svante Augustsson, University West, Sweden  
Jonas Olsson, University West, Sweden  
Linn Gustavsson Christiernin, University West, Sweden  
Gunnar Bolmsjö, University West, Sweden

### 10:00 Graphical Histories of Information Foraging

Manuela Waldner, Vienna University of Technology, Austria  
Stefan Bruckner, University of Bergen, Norway  
Ivan Viola, Vienna University of Technology, Austria

### 09:00 Papers: People and life

Chair: Tone Bratteteig, University of Oslo, Norway2

#### Room: Fennia I

### 09:00 Chatbots of the Gods: Imaginary Abstracts for Techno-Spirituality Research

Mark Blythe, Northumbria University, United Kingdom  
Elizabeth Buie, Northumbria University, United Kingdom

### 09:20 An Older Adult Perspective on Digital Legacy

Lisa Thomas, Northumbria University, United Kingdom

Pam Briggs, Northumbria University, United Kingdom

**09:40 Finding the way home – supporting wayfinding for older users with memory problems**

Kirsten Rasmus-Gröhn, Lund University, Sweden  
Charlotte Magnusson, Lund University, Sweden

**10:00 Making Memories: A Cultural Probe Study into the Remembering of Everyday Life**

Ine Mols, Eindhoven University of Technology, The Netherlands, and University of Technology Sydney, Australia  
Elise Van den Hoven, University of Technology Sydney, Australia, and Eindhoven University of Technology, The Netherlands  
Berry Eggen, Eindhoven University of Technology, The Netherlands, and University of Technology Sydney, Australia

**09:00 Papers: Touch**

Chair: Oskar Juhlin, Stockholm University, Sweden

**Room: Fennia II**

**09:00 Squeezy Bracelet - Designing a Wearable Communication Device for Tactile Interaction**

Minna Pakanen, University of Oulu, Finland  
Ashley Colley, University of Oulu, Finland  
Jonna Häkkinen, University of Lapland, Finland  
Johan Kildal, Nokia Technologies, Finland  
Vuokko Lantz, Nokia Technologies, Finland

**09:20 Design and Evaluation of a Layered Handheld 3D Device with Touch-Sensitive Front and Back**

Patrick Bader, University of Stuttgart, Germany  
Valentin Schwind, University of Stuttgart, Germany  
Niels Henze, University of Stuttgart, Germany  
Stefan Schneegass, University of Stuttgart, Germany  
Nora Broy, University of Stuttgart, Germany  
Albrecht Schmidt, University of Stuttgart, Germany

**09:30 Tiquid - Creating Continuous Transitions for Multi-Touch Interactions**

Georg Freitag, HTW Dresden, Germany  
Michael Wegner, HTW Dresden, Germany  
Michael Tränkner, HTW Dresden, Germany  
Markus Wacker, HTW Dresden, Germany

**09:40 Let's Compare Prototypes for Tangible Systems: But how and why?**

Kirstin Kohler, University of Applied Science Mannheim, Germany  
Thorsten Hochreuter, University of Applied Science Mannheim, Germany

**10:00 DubTouch: Exploring Human to Human Touch Interaction for Gaming in Double Sided Displays**

Oğuz Turan Buruk, Koç University, Turkey  
Oğuzhan Özcan, Koç University, Turkey

**10:50 Papers: Design research and materiality**

Chair: Jinyi Wang, Mobile Life Centre, Sweden

**Room: Nordia**

**10:50 Reflections on Craft Research For and Through Design**

Connie Golsteijn, University College London, United Kingdom

**11:10 "We've conquered dark": Shedding a Light on Empowerment in Critical Making**

Shannon Grimme, Indiana University, United States  
Jeffrey Bardzell, Indiana University, United States  
Shaowen Bardzell, Indiana University, United States

**11:30 Material Interactions with Tangible Tabletops: a Pragmatist Perspective**

Nicolai Brodersen Hansen, Aarhus University, Denmark  
Kim Halskov, Aarhus University, Denmark

**11:50 Capturing the In-Between of Interactive Artifacts and Users: A Materiality-Centered Approach**

Verena Fuchsberger, University of Salzburg, Austria

Martin Murer, University of Salzburg, Austria  
Thomas Meneweger, University of Salzburg, Austria  
Manfred Tscheligi, University of Salzburg, Austria

**10:50 Papers: Discussing methods**

Chair: Eija Kaasinen, VTT, Finland

**Room: Fennia I**

**10:50 From Recipes to Meals... and Dietary Regimes: Method-Mixes as Key Emerging Topic in Human-Centred Design**

Mikael Johnson, Aalto University, Finland  
Sampsa Hyysalo, Aalto University, Finland  
Samuli Mäkinen, Aalto University, Finland  
Pia Helminen, Aalto University, Finland  
Kaisa Savolainen, Aalto University, Finland  
Louna Hakkarainen, Aalto University, Finland

**11:10 Profiling User Experience in Digital Games with the Flow Model**

Jari Takatalo, University of Helsinki, Finland  
Jukka Häkkinen, University of Helsinki, Finland

**11:20 Web Design Galleries: Please Give Me Similar Styles! A Claim for Ground Truth Dataset**

Dimitri H. Masson, INRIA & Université Grenoble Alpes, France  
Zeina Abu-Aisheh, Université Grenoble Alpes, France  
Alexandre Demeure, INRIA & Université Grenoble Alpes, France  
Gaelle Calvary, Université Grenoble Alpes, France  
Gilles Bisson, Université Grenoble Alpes, France

**11:30 Design Patterns for Mixed-Method Research in HCI**

Koen van Turnhout, HAN University of Applied Sciences, The Netherlands  
Arthur Bennis, HAN University of Applied Sciences, The Netherlands  
Sabine Craenmeh, HAN University of Applied Sciences, The Netherlands  
Robert Holwerda, HAN University of Applied Sciences, The Netherlands  
Marjolein Jacobs, HAN University of Applied Sciences, The Netherlands  
Ralph Niels, HAN University of Applied Sciences, The Netherlands  
Lambert Zaad, HAN University of Applied Sciences, The Netherlands  
Sijjn Hoppenbrouwers, HAN University of Applied Sciences, The Netherlands  
Dick Lenior, HAN University of Applied Sciences, The Netherlands  
René Bakker, HAN University of Applied Sciences, The Netherlands

**11:50 Hybridity in MAP-it: how Moderating Participatory Design Workshops is a Balancing Act between Fun and Foundations**

Selina M.P. Schepers, Social Spaces KULeuven, Belgium  
Katrien P.I. Dreessen, Social Spaces KULeuven, Belgium  
Liesbeth A. Huybrechts, Social Spaces KULeuven, Belgium

**10:50 Papers: Healthcare**

Chair: Jan Blom, Google, USA

**Room: Fennia II**

**10:50 Notes from the Front Lines: Lessons Learnt from Designing for Improving Medical Imaging Data Sharing**

Paweł Woźniak, Chalmers University of Technology, Sweden  
Andrzej Romanowski, Lodz University of Technology, Poland  
Asim Evren Yantaç, Koc University, Turkey  
Morten Fjeld, Chalmers University of Technology, Sweden

**11:10 Mundanely Miraculous: The Robot in Healthcare**

Norman Makoto Su, Indiana University Bloomington, United States  
Leslie S. Liu, University of Washington, United States  
Amanda Lazar, University of Washington, United States

**11:30 The Potentials for Hands-free Interaction in Micro-neurosurgery**

Hoorieh Afkari, University of Eastern Finland, Finland  
Shahram Eivazi, University of Eastern Finland, Finland  
Roman Bednarik, University of Eastern Finland, Finland  
Susanne Mäkelä, University of Eastern Finland, Finland

**11:50 Design Strategy for a National Integrated Personal Health Record**

Inês Rodolfo, Universidade Nova de Lisboa, Portugal  
Liliana Laranjo, Portuguese School of Public Health, Portugal  
Nuno Correia, Universidade Nova de Lisboa, Portugal  
Carlos Duarte, University of Lisbon, Portugal

**13:10 Papers: Ideation**

Chair: Kaisa Väänänen-Vainio-Mattila, Tampere University of Technology, Finland

**Room: Fennia II**

**13:10 Gearing up! A designer-focused evaluation of ideation tools for connected products.**

Dries De Roeck, University of Antwerp, Belgium  
Pieter Jan Stappers, Delft University of Technology, The Netherlands  
Achiël Standaert, University of Antwerp, Belgium

**13:30 What Makes a Prototype Novel? - A Knowledge Contribution Concern for Interaction Design Research**

Mikael Wiberg, Umeå University, Sweden  
Erik Stolterman, Indiana University, United States

**13:50 Groupgarden: Supporting Brainstorming through a Metaphorical Group Mirror on Table or Wall**

Sarah Tausch, University of Munich, Germany  
Doris Hausen, University of Munich, Germany  
Ismail Kosan, University of Munich, Germany  
Andrey Raltchev, University of Munich, Germany  
Heinrich Hussmann, University of Munich, Germany

**13:10 Papers: Ownership and consent**

Chair: Elizabeth Buie, Northumbria University, United Kingdom

**Room: Nordia**

**13:10 Honey, I Shrunk the Keys: Influences of Mobile Devices on Password Composition and Authentication Performance**

Emanuel von Zezschwitz, University of Munich, Germany  
Alexander De Luca, University of Munich, Germany  
Heinrich Hussmann, University of Munich, Germany

**13:30 Improving Consent in Large Scale Mobile HCI through Personalised Representations of Data**

Alistair Morrison, University of Glasgow, United Kingdom  
Donald McMillan, Mobile Life Centre, Sweden  
Matthew Chalmers, University of Glasgow, United Kingdom

**13:50 Rights to remember? How copyrights complicate media design**

Sanna Marttila, Aalto University, Finland  
Kati Hyyppä, Aalto University, Finland

**13:10 Papers: Skin +**

Chair: Andres Lucero, University of Southern Denmark, Denmark

**Room: Fennia I**

**13:10 User experience evaluation through the brain's electrical activity**

Akshay Aggarwal, Swansea University, United Kingdom  
Gerrit Niezen, Swansea University, United Kingdom  
Harold Thimbleby, Swansea University, United Kingdom

**13:30 Do We React in the Same Manner? Comparing GSR Patterns Across Scenarios**



Chen Wang, Centrum Wiskunde&Informatica, The Netherlands  
Pablo Cesar, Centrum Wiskunde&Informatica, The Netherlands

**13:50 Exploring Skin Conductance Synchronisation in Everyday Interactions**

Petr Slovak, Vienna University of Technology, Austria  
Paul Tennent, University of Nottingham, United Kingdom  
Stuart Reeves, University of Nottingham, United Kingdom  
Geraldine Fitzpatrick, Vienna University of Technology, Austria

**14:40 Demos**

Chair: Anna Kolehmainen, Futurice Oy, Finland

**Room: Fennia II**

**14:40 Posters**

Chair: Mikael Wiberg, Umeå University, Sweden

**Room: Foyer**

**14:40 Videos**

Chair: Lily Diaz-Kommonen, Aalto University, Finland

**Room: Nordia**

**14:40 Visual Identity Experience Machine**

Aurimas Gaižauskas, Vilnius Academy of Arts, Lithuania

**14:50 Orkhēstra - On the design of interactive media architecture for public environments**

Alexander Wiethoff, University of Munich (LMU), Germany  
Marius Hoggenmueller, University of Munich (LMU), Germany  
Eva Hornecker, Bauhaus University, Germany

**15:00 A Machine. Learning.**

Joseph Lindley, Lancaster University, United Kingdom  
Robert Potts, Lancaster University, United Kingdom

**15:10 Low-cost Latency Measurement System for eye-mouse software**

Pavel Orlov, University of Eastern Finland, Finland  
Roman Bednarik, University of Eastern Finland, Finland

**15:20 Student Design Competition**

Chair: Turkka Keinonen, Aalto University, Finland & Jo Herstad, University of Oslo, Norway, ,

**Room: Nordia**

**15:20 LINK: Connecting Aged Parents With Children Over Distance Through Their Old Leather Wallets**

Chen Guo, Purdue University, United States  
Xiaohang Zhang, Purdue University, United States

**15:40 Using Digitized Leather to Empower Children with Autism**

Marlen Promann, Purdue University, United States  
Weiran Lei, Purdue University, United States  
Cane Phillips, Purdue University, United States

**Thursday**

**09:00 Papers: Interactive spaces**

Chair: Heli Väättäjä, Tampere University of Technology, Finland

**Room: Fennia II**

**09:00 The use of Physical Theatre Improvisation in Game Design**

Hilary O'Shaughnessy, University of Limerick, Ireland  
Nicholas Ward, University of Limerick, Ireland

**09:20 Interactive Exhibitions Design - What can we learn from cultural heritage professionals?**

Laura Maye, University of Limerick, Ireland  
Fiona McDermott, University of Limerick, Ireland

Luigina Ciolfi, Sheffield Hallam University, United Kingdom  
Gabriela Avram, University of Limerick, Ireland

**09:40 Understanding audience participation in interactive theatre performances**

Teresa Cerratto Pargman, Stockholm University, Sweden  
Chiara Rossitto, Stockholm University, Sweden  
Louise Barkhuus, Stockholm University, Sweden

**10:00 The Dress Room: responsive spaces and embodied interaction**

Anna Vallgård, IT University of Copenhagen, Denmark

**09:00 Papers: Persuasion, gamification and socialisation**

Chair: Susanne Bødker, Aarhus University, Denmark

**Room: Fennia I**

**09:00 Quitty: Using Technology to Persuade Smokers to Quit**

Jeni Paay, Aalborg University, Denmark  
Jesper Kjeldskov, Aalborg University, Denmark  
Umachanger Brinthaparan, Aalborg University, Denmark  
Lars Lichon, Aalborg University, Denmark  
Stephan Rasmussen, Aalborg University, Denmark  
Nirojan Srikandaraja, Aalborg University, Denmark  
Wally Smith, The University of Melbourne, Australia  
Greg Wadley, The University of Melbourne, Australia  
Bernd Ploderer, The University of Melbourne, Australia

**09:20 User Experience on a Sharable Interface in a Multiuser setting**

Peter Askvig Havgar, University of Oslo, Norway  
Thomas Schwitalla, University of Oslo, Norway  
Jørgen Valen, University of Oslo, Norway  
Aslak Wegner Eide, SINTEF ICT, Norway  
Bjørn Anders Hoffstad Reutz, University of Oslo, Norway

**09:30 Gamification of Online Surveys: Conceptual Foundations and a Design Method based on the MDA Framework**

Johannes Harms, Vienna University of Technology, Austria  
Christoph Wimmer, Vienna University of Technology, Austria  
Karin Kappel, Vienna Technical University, Austria  
Thomas Grechenig, Vienna University of Technology, Austria

**09:40 TechSportiv - Constructing Objects-To-Think-With for Physical Education**

Nadine Dittert, University of Bremen, Germany

**10:00 Assessing Seniors' User Experience (UX) of Exergames for Balance Training**

Ather Nawaz, Norwegian University of Science and Technology, Norway  
Nina Skjæret, Norwegian University of Science and Technology, Norway  
Kristine Ystmark, Norwegian University of Science and Technology, Norway  
Jorunn L Helbostad, Norwegian University of Science and Technology, Norway  
Beatrix Vereijken, Norwegian University of Science and Technology, Norway  
Dag Svanæs, Norwegian University of Science and Technology, Norway

**10:50 Design Cases: Design Cases**

Chair: Tuuli Mattelmäki, Aalto University, Finland

**Room: Fennia I**

**10:50 Enjoying Joy: A Process-Based Approach to Design for Prolonged Pleasure**

Anna E. Pohlmeier, Delft University of Technology, The Netherlands

**11:05 Engaging Older People With Participatory Design**

Iolanda Iacono, University of Siena, Italy  
Patrizia Marti, University of Siena, Italy, and Eindhoven University of Technology, The Netherlands

**11:20 Designing Assistive and Cooperative HCI for Older Adults' Movement**

Eeva Leinonen, University of Oulu, Finland  
Anna-Liisa Syrjänen, University of Oulu, Finland  
Minna Isomursu, VTT Technical Research Center of Finland, Finland

**11:35 Rapping Dyslexia: Learning Rhythm, Rhyme and Flow in Dyslectic Children**

Michele Tittarelli, University of Siena, Italy  
Patrizia Marti, University of Siena, Italy, and Eindhoven University of Technology, The Netherlands  
Diana Peppoloni, University for Foreigners of Siena, Italy

**11:50 Keymoment: Initiating Behavior Change through Friendly Friction**

Matthias Laschke, Folkwang University of the Arts, Germany  
Sarah Diefenbach, Folkwang University of the Arts, Germany  
Thies Schneider, Folkwang University of the Arts, Germany  
Marc Hassenzahl, Folkwang University of the Arts, Germany

**10:50 Papers: Gestures and body**

Chair: Jarmo Laaksolahti, SICS, Sweden

**Room: Fennia II**

**10:50 An Evaluation of Touchless Hand Gestural Interaction for Pointing Tasks with Preferred and Non-preferred Hands**

Alvin Jude, Baylor University, United States  
G. Michael Poor, Baylor University, United States  
Darren Guinness, Baylor University, United States

**11:10 Hotspotizer: End-User Authoring of Mid-Air Gestural Interactions**

Mehmet Aydın Baytaş, Koç University, Turkey  
Yücel Yemez, Koç University, Turkey  
Oğuzhan Özcan, Koç University, Turkey

**11:30 Belly Gestures: Body Centric Gestures on the Abdomen**

Dong-Bach Vo, Télécom ParisTech CNRS LTCl, France  
Eric Lecolinet, Télécom ParisTech CNRS LTCl, France  
Yves Guiard, Télécom ParisTech CNRS LTCl, France

**11:50 Heuristics for Motion-based Control in Games**

Minna Hara, University of Tampere, Finland  
Saila Ovaska, University of Tampere, Finland

**10:50 Papers: Models and theory**

Chair: Albrecht Schmidt, University of Stuttgart, Germany

**Room: Nordia**

**10:50 Aesthetics of Interaction - a literature synthesis**

Eva Lenz, Folkwang University of the Arts, Germany  
Sarah Diefenbach, Folkwang University of the Arts, Germany  
Marc Hassenzahl, Folkwang University of the Arts, Germany

**11:10 Rethinking sustainability in computing: From buzzword to non-negotiable limits**

Daniel Pargman, KTH Royal Institute of Technology, Sweden  
Barath Raghavan, International Computer Science Institute (ICSI), United States

**11:30 Designing for Information Work at the Computer Workplace with Activity Theory**

Benedikt Schmidt, Technische Universität Darmstadt, Germany  
Sebastian Döweling, SAP Research, Germany

**11:50 Urban Computing in Theory and Practice: Towards a Transdisciplinary Approach**

Hannu Kukka, University of Oulu, Finland  
Johanna Ylipulli, University of Oulu, Finland  
Anna Luusua, University of Oulu, Finland  
Anind Dey, Carnegie Mellon University, United States

### **13:10 Panel: Big Data**

Chair: Giulio Jacucci, University of Helsinki, Finland

#### **Room: Fennia II**

#### **13:10 Big Data: Challenges for HCI**

Tua Huomo, EIT ICT Labs, Action Line Leader, Future Cloud Action Line, Finland

Samuel Kaski, Aalto University, Director of Helsinki Institute for Information Technology HIIT, Finland

Jonathan Freeman, Professor Goldsmiths, University of London, Coordinator of the CEEDS project and CEO of i2Media, United Kingdom

Luciano Gamberini, Department of Psychology, University of Padua, Director of the Human Inspired Technology Research Centre, Italy

Tarja Riihisaari, Head of Unit, Development of Services, Finnish Meteorological Institute, Finland

Don Norman, Design Lab, University of California, Director and Professor Emeritus, United States

### **13:10 Papers: Public interactions**

Chair: Susanne Boll, University of Oldenburg, Germany

#### **Room: Nordia**

#### **13:10 StreetTalk: Designing Situated Public Displays for Urban Neighborhood Interaction**

Niels Wouters, KU Leuven, Belgium

Jonathan Huyghe, KU Leuven, Belgium

Andrew Vande Moere, KU Leuven, Belgium

#### **13:30 Quantifying the Interaction Stages of a Public Display Campaign in the Wild**

Gonzalo Parra, University of Leuven, Belgium

Robin De Croon, University of Leuven, Belgium

Joris Klerkx, University of Leuven, Belgium

Erik Duval, University of Leuven, Belgium

#### **13:40 Using Whole Body Interaction to Provoke Reflection on Self-Awareness of Social Presence in Public Spaces**

Sherif Mekky, University of Southern Denmark, Denmark

Youran You, University of Southern Denmark, Denmark

Mads Sørensen, University of Southern Denmark, Denmark

#### **13:50 Participatory IT in semi-public spaces**

Susanne Bødker, Aarhus University, Denmark

Clemens Nylandsted Klokmose, Aarhus University, Denmark

Matthias Korn, Indiana University, United States

Anna Maria Polli, Aarhus University, Denmark

#### **14:10 A Study on Relation between Crowd Emotional Feelings and Action Tendencies**

Jie Li, Delft University of Technology, The Netherlands

Rong Cai, Delft University of Technology, The Netherlands

Huib de Ridder, Delft University of Technology, The Netherlands

Arnold Vermeeren, Delft University of Technology, The Netherlands

René van Egmond, Delft University of Technology, The Netherlands

### **13:10 Papers: UX design**

Chair: Jonna Häkkinen, University of Lapland, Finland

#### **Room: Fennia I**

#### **13:10 The Mood Street: Designing for Nuanced Positive Emotions**

JungKyoon Yoon, Delft University of Technology, The Netherlands

Anna Pohlmeier, Delft University of Technology, The Netherlands

Pieter Desmet, Delft University of Technology, The Netherlands

#### **13:30 Towards meaning change: experience goals driving design space expansion**

Yichen Lu, Aalto University, Finland

Virpi Roto, Aalto University, Finland

#### **13:50 User Experience Concept Exploration – user needs as a source for innovation**

Nora Fronemann, Fraunhofer IAO, Germany

Matthias Peissner, Fraunhofer IAO, Germany

**14:10 Walking & Talking: Probing the Urban Lived Experience**

Shenando Stals, Eindhoven University of Technology, The Netherlands

Michael Smyth, Edinburgh Napier University, United Kingdom

Wijnand IJsselsteijn, Eindhoven University of Technology, The Netherlands

**15:00 Conference Closing**

Chair: Virpi Roto, Aalto University, Finland & Jonna Häkkinen, University of Lapland, Finland, ,

**Room: Fennia II**

**15:00 Keynote: Could computers design great user interfaces?**

Antti Oulasvirta, Aalto University, Finland

## Demos

### 14:40 Demos

Chair: Anna Kolehmainen, Futurice Oy, Finland

#### Room: Fennia II

#### **A Mobile See-Through 3D Display with Front- and Back-Touch**

Patrick Bader, Stuttgart Media University, Germany  
Valentin Schwind, Stuttgart Media University, Germany  
Stefan Schneegass, University of Stuttgart, Germany  
Katrin Wolf, University of Stuttgart, Germany  
Niels Henze, University of Stuttgart, Germany

#### **A Physical Visualization of a Living Social Network**

Wieslaw Bartkowski, University of Social Sciences and Humanities, Poland

#### **ALADIN: Demo of a Multimodal Adaptive Voice Interface**

Jonathan Huyghe, KU Leuven, Belgium  
Jan Derboven, KU Leuven, Belgium  
Dirk De Grooff, KU Leuven, Belgium

#### **Designing for Engagement; Tangible Interaction in Multisensory Environments**

Henrik Svarrer Larsen, Lund University, Sweden  
Héctor A. Caltenco, Lund University, Sweden

#### **SecondNose: an air quality mobile crowdsensing system**

Chiara Leonardi, Fondazione Bruno Kessler, Italy  
Andrea Cappellotto, Fondazione Bruno Kessler, Italy  
Michele Caraviello, SKIL - Telecom Italia, Italy  
Bruno Lepri, Fondazione Bruno Kessler, Italy  
Fabrizio Antonelli, SKIL - Telecom Italia, Italy

#### **SONDI: Audio-based Device Discovery and Pairing for Smart Environments**

Hannu Kukka, University of Oulu, Finland  
Pauli Marjakangas, University of Oulu, Finland

#### **Using Gaze Gestures with Haptic Feedback on Glasses**

Jari Kangas, University of Tampere, Finland  
Deepak Akkil, University of Tampere, Finland  
Jussi Rantala, University of Tampere, Finland  
Poika Isokoski, University of Tampere, Finland  
Päivi Majaranta, University of Tampere, Finland  
Roope Raisamo, University of Tampere, Finland

#### **Why Not Simply Google?**

Ahmet Soylu, University of Oslo, Norway  
Martin Giese, University of Oslo, Norway  
Ernesto Jimenez-Ruiz, University of Oxford, United Kingdom  
Evgeny Kharlamov, University of Oxford, United Kingdom  
Dmitriy Zheleznyakov, University of Oxford, United Kingdom  
Ian Horrocks, University of Oxford, United Kingdom

#### **Visual Berrypicking in Large Image Collections**

Thomas Low, Otto von Guericke University Magdeburg, Germany  
Christian Hentschel, Hasso Plattner Institute for Software Systems Engineering, Germany  
Sebastian Stober, Otto von Guericke University Magdeburg, Germany  
Harald Sack, Hasso Plattner Institute for Software Systems Engineering, Germany  
Andreas Nürnberg, Otto von Guericke University Magdeburg, Germany

## Posters

### 14:40 Posters

Chair: Mikael Wiberg, Umeå University, Sweden

#### Room: Foyer

#### **"Should I Stay or Should I Go?" - Different Designs to Support Drivers' Decision Making**

Andreas Löcken, OFFIS – Institute for Information Technology, Germany

Heiko Müller, OFFIS – Institute for Information Technology, Germany

Wilko Heuten, OFFIS – Institute for Information Technology, Germany

Susanne Boll, University of Oldenburg, Germany

#### **Children Reading eBooks on Tablets: a Study of The Context of Use**

Luca Colombo, University of Lugano, Switzerland

Marcello Paolo Scipioni, University of Lugano, Switzerland

#### **Classifying Driver's Uncertainty for Developing Trustworthy Assistance Systems**

Fei Yan, OFFIS – Institute for Information Technology, Germany

Lars Weber, OFFIS – Institute for Information Technology, Germany

Andreas Luedtke, OFFIS – Institute for Information Technology, Germany

#### **Device-Orientation is More Engaging than Drag (at Least in Mobile Computing)**

Mattias Arvola, SICS East Swedish ICT AB and Linköping University, Sweden

Anna Holm, Linköping University, Sweden

#### **Digital Aura: Investigating Representations of Self in Augmented Reality Applications**

David McGookin, Aalto University, Finland

#### **Dynamic switching of data visualization method for increased plotting scalability**

Angie Mikhail-Morozov, ABB Corporate Research, Sweden

Mika P. Nieminen, Aalto University, Finland

#### **EcoSonic: Auditory Displays supporting Fuel-Efficient Driving**

Jan Hammerschmidt, Bielefeld University, Germany

René Tünnermann, Bielefeld University, Germany

Thomas Hermann, Bielefeld University, Germany

#### **EduVis: Visualizing Educational Information**

Vilma Jordão, Universidade de Lisboa, Portugal

Sandra Gama, INESC-ID and Universidade de Lisboa, Portugal

Daniel Gonçalves, INESC-ID and Universidade de Lisboa, Portugal

#### **Effects of Haptic Feedback on Gaze Based Auto Scrolling**

Karoliina Käki, University of Tampere, Finland

Päivi Majaranta, University of Tampere, Finland

Oleg Špakov, University of Tampere, Finland

Jari Kangas, University of Tampere, Finland

#### **Evaluating Multimodal Interaction with Gestures and Speech for Point and Select Tasks**

Alvin Jude, Baylor University, United States

G. Michael Poor, Baylor University, United States

Darren Guinness, Baylor University, United States

#### **Exploring Long-term Participation within a Living Lab: Satisfaction, Motivations and Expectations**

Chiara Leonardi, Fondazione Bruno Kessler, Italy

Nicola Doppio, Trento RISE, Italy

Bruno Lepri, Fondazione Bruno Kessler, Italy

Massimo Zancanaro, Fondazione Bruno Kessler, Italy

Michele Caraviello, Telecom Italia SKIL Lab, Italy  
Fabio Pianesi, Fondazione Bruno Kessler, Italy

### **Exploring Non-Verbal Communications in Mobile Text Chat - Emotion-Enhanced Chat**

Jackson Feijo Filho, Nokia Technology Institute, Brazil  
Thiago Valle, Nokia Technology Institute, Brazil  
Wilson Prata, PUC-Rio, Brazil

### **Formative Evaluation of a Constrained Composition Approach for Storytelling**

Eleonora Mencarini, University of Trento, Italy  
Gianluca Schiavo, University of Trento, Italy  
Alessandro Cappelletti, Fondazione Bruno Kessler, Italy  
Oliviero Stock, Fondazione Bruno Kessler, Italy  
Massimo Zancanaro, Fondazione Bruno Kessler, Italy

### **Groupsourcing: Nudging Users away from Unsafe Content**

Jian Liu, University of Helsinki and Aalto University, Finland  
Sini Ruohomaa, University of Helsinki, Finland  
Kumaripaba Athukorala, University of Helsinki, Finland  
Giulio Jacucci, University of Helsinki, Finland  
N. Asokan, Aalto University, Finland  
Janne Lindqvist, Rutgers University, United States

### **Harvesting Social Media for Assessing User Experience**

Stefan Schneegass, University of Stuttgart, Germany  
Niels Henze, University of Stuttgart, Germany

### **How to Present Information on Wrist-Worn Point-Light Displays**

Jutta Fortmann, University of Oldenburg, Germany  
Heiko Müller, OFFIS – Institute for Information Technology, Germany  
Wilko Heuten, OFFIS – Institute for Information Technology, Germany  
Susanne Boll, University of Oldenburg, Germany

### **Human Centered Training: Perceived Exertion as Main Parameter for Training Adaption**

Janko Timmermann, OFFIS – Institute for Information Technology, Germany  
Anke Workowski, Schüchtermann-Klinik, Germany  
Wilko Heuten, OFFIS – Institute for Information Technology, Germany  
Detlev Willemsen, Schüchtermann-Klinik, Germany  
Susanne Boll, University of Oldenburg, Germany

### **IllumiMug: Revealing Imperceptible Characteristics of Drinks**

Benjamin Poppinga, University of Oldenburg, Germany  
Jutta Fortmann, University of Oldenburg, Germany  
Heiko Müller, OFFIS – Institute for Information Technology, Germany  
Wilko Heuten, OFFIS – Institute for Information Technology, Germany  
Susanne Boll, University of Oldenburg, Germany

### **Influential Statements and Gaze for Persuasion Modeling**

Hana Vrzakova, University of Eastern Finland, Finland  
Roman Bednarik, University of Eastern Finland, Finland  
Yukiko Nakano, Seikei University, Japan  
Fumio Nihei, Seikei University, Japan

### **Information-seeking on the Web – Influence of Language on Search Performances and Strategies**

#### **Let's Play the Feedback Game**

Anna Kantosalo, University of Helsinki, Finland  
Sirpa Riihiahho, Aalto University, Finland

### **LiFe-Support: An Environment to Get Live Feedback during Emergency Scenarios**



Syed Atif Mehdi, University of Kaiserslautern, Germany  
Shah Rukh Humayoun, University of Kaiserslautern, Germany  
Karsten Berns, University of Kaiserslautern, Germany

### **Long-term Modality Effect in Multimedia Learning**

Alessia Ruf, University of Basel, Switzerland  
Mirjam Seckler, University of Basel, Switzerland  
Klaus Opwis, University of Basel, Switzerland

### **Magnetic Interaction with Devices: A Pilot Study on Mobile Gaming**

Saeed Afshari, University of Luxembourg, Luxembourg  
Andrei Popleteev, University of Luxembourg, Luxembourg  
Roderick McCall, University of Luxembourg, Luxembourg  
Thomas Engel, University of Luxembourg, Luxembourg

### **Patient Expectations and Experiences from a Clinical Study in Psychiatric Care Using a Self-Monitoring System**

Lasse Benn Nørregaard, Daybuilder Solutions, Denmark  
Philip Kaare Løventoft, Daybuilder Solutions, Denmark  
Erik Frøkjær, University of Copenhagen, Denmark  
Lise Lauritsen, University of Copenhagen, Denmark  
Emilia Clara Olsson, University of Copenhagen, Denmark  
Louise Andersen, University of Copenhagen, Denmark  
Stine Rauff, University of Copenhagen, Denmark  
Klaus Martiny, University of Copenhagen, Denmark

### **Second Look: Combining Wearable Computing and Crowdsourcing to support Creative Writing**

Pedro Campos, Madeira-ITI, Portugal  
Frederica Gonçalves, Madeira-ITI, Portugal  
Michael Martins, Madeira-ITI, Portugal  
Miguel Campos, WowSystems, Portugal  
Paulo Freitas, WowSystems, Portugal

### **Seniors and Text Messaging on Mobile Touchscreen Phones**

Reetta Övermark, University of Tampere, Finland  
Poika Isokoski, University of Tampere, Finland and KAIST HCI lab, South Korea  
Saila Ovaska, University of Tampere, Finland

### **Studying the perception of color components' relative amounts in blended colors**

Sandra Gama, INESC-ID and Universidade de Lisboa, Portugal  
Daniel Gonçalves, INESC-ID and Universidade de Lisboa, Portugal

### **Supporting Running Groups as a Whole**

Janko Timmermann, OFFIS – Institute for Information Technology, Germany  
Alexander Erlemann, University of Oldenburg, Germany  
Wilko Heuten, OFFIS – Institute for Information Technology, Germany  
Susanne Boll, University of Oldenburg, Germany

### **Supporting Situation Awareness with Peripheral Feedback on Monitoring Behavior**

Florian Fortmann, OFFIS – Institute for Information Technology, Germany  
Dierk Brauer, University of Oldenburg, Germany  
Heiko Müller, OFFIS – Institute for Information Technology, Germany  
Susanne Boll, University of Oldenburg, Germany

### **Sustainable Mobility – How to Overcome Mobility Behavior Routines**

Julia Seebode, TU Berlin, Germany  
Stefan Greiner, TU Berlin, Germany  
Tilo Westermann, TU Berlin, Germany  
Ina Wechsung, TU Berlin, Germany  
Sebastian Möller, TU Berlin, Germany

### **TACTUX – A Tactile User Experience Assessment Board**

Georg Regal, AIT Austrian Institute of Technology GmbH, Austria  
Marc Busch, AIT Austrian Institute of Technology GmbH, Austria  
Christina Hochleitner, AIT Austrian Institute of Technology GmbH, Austria  
Peter Wokerstorfer, AIT Austrian Institute of Technology GmbH, Austria  
Manfred Tscheligi, AIT Austrian Institute of Technology GmbH and University of Salzburg, Austria

### **The InnocentButGuilty Framework - A Step Towards GKT-enhanced Applications**

Matthias Pfeiffer, Goethe University Frankfurt, Germany  
Claudia Stockhausen, Goethe University Frankfurt, Germany  
Detlef Krömker, Goethe University Frankfurt, Germany

### **The Role of Location-based Event Browsers in Collaborative Behaviors: An Explorative Study**

Diogo Cabral, University of Helsinki, Finland  
Valeria Orso, University of Padua, Italy  
Youssef El-khouri, University of Helsinki, Finland  
Maura Belio, University of Padua, Italy  
Luciano Gamberini, University of Padua, Italy  
Giulio Jacucci, University of Helsinki and Aalto University, Finland

### **Towards Collaborative Communities: a Preliminary Study on Exchange of Goods and Services in Local Contexts**

Steven Tait, EIT ICT Labs, Italy  
Chiara Leonardi, Fondazione Bruno Kessler, Italy  
Massimo Zancanaro, Fondazione Bruno Kessler, Italy  
Michele Caraviello, SKIL - Telecom Italia, Italy  
Bruno Lepri, Fondazione Bruno Kessler, Italy  
Paolo Massa, Fondazione Bruno Kessler, Italy

### **Towards Interactive Car Interiors - the Active Armrest**

Andreas Braun, Fraunhofer Institute for Computer Graphics Research, Germany  
Stephan Neumann, Technische Universität Darmstadt, Germany  
Sönke Schmidt, Technische Universität Darmstadt, Germany  
Reiner Wichert, Fraunhofer Institute for Computer Graphics Research, Germany  
Arjan Kuijper, Fraunhofer Institute for Computer Graphics Research, Germany

### **User Curated Augmented Reality Art Exhibitions**

Paul Coulton, Lancaster University, United Kingdom  
Emma Murphy, Glasgow School of Art, United Kingdom  
Klen Čopič Pucihar, Lancaster University, United Kingdom  
Richard Smith, Lancaster University, United Kingdom  
Mark Lochrie, Lancaster University, United Kingdom

### **User Interaction Metadata for Healthcare Information Systems**

Sami Laine, Aalto University, Finland  
Marko Nieminen, Aalto University, Finland

### **Visualising the Flow of a Local Economy to Encourage Inter-Community Trading: adding bits to BARTER**

Mark Lochrie, Lancaster University, United Kingdom  
Paul Coulton, Lancaster University, United Kingdom  
Jonny Huck, Lancaster University, United Kingdom  
Mike Hallam, Lancaster Ethical Small Traders Association (ESTA), United Kingdom  
Jon Whittle, Lancaster University, United Kingdom  
Bran Knowles, Lancaster University, United Kingdom

## Workshops

### Sunday 26 October

#### **WS1: Beyond the Switch: Explicit and Implicit Interaction with Light**

The goal of the workshop is to explore novel ways of interacting with lighting systems when they become contextually aware

Dzmitry Aliakseyeu, Philips Research Europe, The Netherlands

Bernt Meerbeek, Philips Research Europe, The Netherlands

Jon Mason, Philips Research Europe, The Netherlands

Andrés Lucero, University of Southern Denmark, Denmark

Tanir Ozcelebi, Eindhoven University of Technology, The Netherlands

Henrika Pihlajaniemi, University of Oulu, Finland

#### **WS2: Teaching to Tinker – Making as an Educational Strategy**

We approach participant-supplied projects and experiment collaboratively. The practical work provides us with the shared educational perspectives of making.

Daniel Cermak-Sassenrath, IT University of Copenhagen, Denmark

Emilie Møllenbach, IT University of Copenhagen, Denmark

#### **WS3: Interactions and Applications for See-Through Technologies**

The workshop addresses user-centred and technical challenges related to see-through technologies and interfaces that use the investigated.

Jonna Häkkinen, University of Lapland, Finland

Thomas Olsson, Tampere University of Technology, Finland

Ashley Colley, University of Oulu, Finland

Thomas Pederson, IT University of Copenhagen, Denmark

Jens Grubert, Graz University of Technology, Austria

#### **WS4: The Fuzzy Front End of Experience Design**

In this workshop, we will share good practises for the starting phases of experience design: How to define a shared vision of

Eija Kaasinen, VTT Technical Research Centre of Finland, Finland

Heli Vätäjää, Tampere University of Technology, Finland

Hannu Karvonen, VTT Technical Research Centre of Finland, Finland

Yichen Lu, Aalto University, Finland

#### **WS5: 6th International Workshop on Semantic Ambient Media Experiences (SAME 2014) – Ambient Media**

The workshop invites all people interested in ambient & smart media usability, interaction, and technologies in the field of ubic

Estefanía Serral, KU Leuven, Belgium

Artur Lugmayr, Tampere University of Technology and lugYmedia Inc, Finland

Bjoern Stockleben, University of Applied Sciences Magdeburg, Germany

Thomas Risse, University of Hanover, Germany

Emilija Stojmenova, University of Ljubljana, Slovenia

#### **WS7: How to Involve Users in Government System Procurement?**

Towards attractive, valuable, and cost-efficient e-government systems with user-centred design

Marko Nieminen, Aalto University, Finland

Juha Laine, Aalto University, Finland

Sampo Teräs, Aalto University, Finland

Mikael Runonen, Aalto University, Finland

Virpi Kalakoski, Finnish Institute of Occupational Health, Finland

Teppo Valtonen, Finnish Institute of Occupational Health, Finland

Jani Lukander, Finnish Institute of Occupational Health, Finland

Timo Jokela, Joticon Oy, Finland

Johanna Kaipio, City of Helsinki, Finland

Tinja Lääveri, Helsinki University Central Hospital, Finland

Andre Kushniruk, University of Victoria, Canada

Elizabeth Boryzki, University of Victoria, Canada

#### **WS8: Is There a European Strand of Sustainable HCI?**

Sustainability is by now a well established topic at the CHI conference, but not yet at NordiCHI. Be part of creating the vision

Daniel Pargman, KTH Royal Inst. of Technology, Sweden

Elina Eriksson, KTH Royal Inst. of Technology, Sweden  
Cecilia Katzeff, Interactive Inst. Swedish ICT, Sweden  
Chris Preist, University of Bristol, United Kingdom  
Maria Håkansson, Chalmers University of Technology, Sweden  
Bran Knowles, Lancaster University, United Kingdom

### **WS9: Making Places: Visualization, Interaction and Experience in Urban Space**

Urban space is a fertile area for cross-disciplinary research. In the context of future cities, visualizations are the tangible outcome

Michael Smyth, Edinburgh Napier University, United Kingdom  
Paula Trigueiros, University of Minho, Portugal  
Ingi Helgason, Edinburgh Napier University, United Kingdom  
António Coelho, FEUP / INESC TEC, Portugal  
Sarah Gallacher, University College London, United Kingdom  
Alison Burrows, SPHERE IRC, United Kingdom  
Filipa Wunderlich, University College London, United Kingdom  
Rui Penha, FEUP, Portugal

### **Monday 27 October**

#### **WS11: On the Integration of User Centred Design in Agile Development**

We aspire to create a community of HCI professionals interested in the integration of User Centred Design and Agile and hope

Marta Larusdottir, Reykjavik University, Iceland  
Åsa Cajander, Uppsala University, Sweden  
Jan Gulliksen, The Royal Institute of Technology, Sweden  
Gilbert Cockton, Northumbria University, United Kingdom  
Peggy Gregory, University of Central Lancashire, United Kingdom  
Dina Salah, The Open University, United Kingdom

#### **WS12: Designing Self-care for Everyday Life**

We will discuss how to design self-care technologies that are in harmony with everyday life, reflecting on each other's work, c

Nervo Verdezoto, Aarhus University, Denmark  
Francisco Nunes, TU Wien, Austria  
Erik Grönvall, IT University of Copenhagen, Denmark  
Geraldine Fitzpatrick, TU Wien, Austria  
Cristiano Storni, University of Limerick, United Kingdom  
Morten Kyng, Aarhus University, Denmark

#### **WS13: Human Work Interaction Design for Pervasive and Smart Workplaces**

This workshop focuses on how to improve the quality of workers' experience and outputs through designing human-centered t

Pedro F. Campos, Madeira Interactive Technologies Institute, Portugal  
Arminda Lopes, Madeira Interactive Technologies Institute and Instituto Politécnico de Castelo Branco, Portugal  
Torkil Clemmensen, Copenhagen Business School, Denmark  
Jose Abdelnour-Nocera, University of West London, United Kingdom

#### **WS15: Personal or Social? Designing Mobile Interactions for Co-located Interaction**

Personal or Social?" focuses on designing mobile applications that break the "cocooning"/social isolation of co-located people interactions between them.

Pradthana Jarusriboonchai, Tampere University of Technology, Finland  
Sus Lundgren, Chalmers University of Technology, Sweden  
Thomas Olsson, Tampere University of Technology, Finland  
Joel Fischer, University of Nottingham, United Kingdom  
Nemanja Memarovic, University of Lugano, Switzerland  
Stuart Reeves, University of Nottingham, United Kingdom  
Paweł Woźniak, Chalmers University of Technology, Sweden  
Olof Torgersson, University of Gothenburg, Sweden

#### **WS16: Animal-Computer Interaction (ACI): Pushing Boundaries beyond 'Human'**

Through activities such as short presentations, group design exercises and plenary discussions, this workshop aims to bring together emerging discipline

Clara Mancini, The Open University, United Kingdom  
Oskar Juhlin, Stockholm University, Sweden

Adrian David Cheock, City University London, United Kingdom  
Janet van der Linden, The Open University, United Kingdom  
Shaun Lawson, University of Lincoln, United Kingdom

### **WS17: Ubicomp beyond Devices: People, Objects, Space and Meaning**

How can we improve interactive systems by sensing, understanding, and reacting to spatial configurations of objects, tools, and

Jörn Hurtienne, Julius-Maximilians-Universität, Germany  
Hans-Christian Jetter, University College London, United Kingdom  
Nicolai Marquardt, University College London, United Kingdom  
Thomas Pederson, IT University of Copenhagen, Denmark

### **WS18: Human-Technology Choreographies: Re-Thinking Body, Movement and Space in Interaction Design**

Each design of interactive technology manifests human-technology choreographies. The workshop emphasizes movement as a

Antti Pirhonen, University of Jyväskylä, Finland  
Kai Tuuri, University of Jyväskylä, Finland  
Jaana Parviainen, University of Tampere, Finland  
Markku Turunen, University of Tampere, Finland  
Tomi Heimonen, University of Tampere, Finland

### **WS19: Exploring incentivisation in design**

This interactive multidisciplinary one-day workshop brings together researchers and practitioners interested in exploring the effects of incentivisation in design.

Chris Speed, University of Edinburgh, United Kingdom  
Siobhan Magee, University of Edinburgh, United Kingdom  
Deborah Maxwell, University of Edinburgh, United Kingdom  
Mark Hartswood, University of Edinburgh, United Kingdom

### **WS20: Innovation in HCI: What Can We Learn from Design Thinking?**

In the age of innovation, HCI design process is argued mainly to support incremental improvements. This workshop explores how

Alma L. Culén, University of Oslo, Norway  
Asbjørn Følstad, SINTEF, Norway

## Tutorials

### Sunday 26 October

#### 10:00 T1: Medical devices and Human-Computer Interaction

A hands-on tutorial on fundamental user-centered design approaches for rapid prototyping and low-fidelity testing; learn to express and test initial application concepts in a friendly tutorial atmosphere.

Patrick Oladimeji, Swansea University, United Kingdom

Paolo Masci, Queen Mary University of London, United Kingdom

Karen Yunqiu Li, Swansea University, United Kingdom

#### 14:00 T3: User Interface design in Agile projects

We'll introduce the design method we use at Reaktor through hands-on exercises with paper prototypes. We'll also show examples and share lessons learned from 10 years of agile projects.

Michael Holler, Reaktor Oy, Finland

Tuomas Husu, Reaktor Oy, Finland

Karri-Pekka Laakso, Reaktor Oy, Finland

Mikko Romppainen, Reaktor Oy, Finland

### Monday 27 October

#### 09:15 T4: Designing for Services: From Single Interventions towards Organisational Practice

Understand how service design serves as a holistic approach for achieving sustainable organizational change towards customer-centricity. Learn the value of using service design for more than mere single interventions.

Kirsikka Vaajakallio, Diagonal, Finland

Juho-Ville Matveinen, Diagonal, Finland

Juha Kronqvist, Aalto University and Diagonal, Finland

#### 13:00 T5: Creative Worthwhile Interaction Design

An introduction with practical exercises to dynamically balancing user-focused activities with strategic creative opportunities, integrated via a generous focus on worthwhile experiences and outcomes, and underpinned by systematic critical reflection.

Gilbert Cockton, Northumbria University, United Kingdom

## Doctoral Consortium

Sunday 26 October

### DC: Doctoral Consortium

Gilbert Cockton, Northumbria University, United Kingdom

Kristina Höök, KTH Royal Institute of Technology, Sweden

Kari Kuutti, University of Oulu, Finland

Ine Mols, Eindhoven University of Technology, The Netherlands

Iván Sánchez Milara, University of Oulu, Finland

Paweł Woźniak, Chalmers University of Technology, Sweden

Justin Larner, Lancaster University, United Kingdom

Anne-Marie Mann, University of St. Andrews, United Kingdom

Oana Bălan, University Politehnica of Bucharest, Romania

John Fass, Royal College of Art, United Kingdom

Martin Murer, University of Salzburg, Austria