



UMEÅ UNIVERSITY

ECCE 2017 - European Conference on Cognitive Ergonomics (Umeå, Sweden, September 19-22)

Conference program

September 19, 2017: Pre-conference activities

Workshop

Doctoral Consortium

September 20, 2017

08:30 – 09:15 **Registration**

08:30 – 09:15 **Arrival coffee**

09:15 – 09:30 **Opening remarks**

09:30 – 10:30 **Keynote**

Mikael Wiberg. *The Materiality of Interaction*.

Moderator: Gerrit van der Veer

10:30 – 10:50 **Fika (i.e. Tea/Coffee break)**

10:50 – 12:20 **Usability and User Experience – I**

Session chair: Victor Kaptelinin

Katy Tcha-Tokey, Emilie Loup-Escande, Olivier Christmann and Simon Richir. *Effects on User Experience in an Edutainment Virtual Environment: Comparison Between CAVE and HMD*.

Carine Lallemand and Vincent Koenig. *“How Could an Intranet be Like a Friend to Me?” - Why Standardized UX Scales Don’t Always Fit*.

Johan Linder and Mattias Arvola. *IPA in UX Research: Interpretative Phenomenological Analysis in a User Experience Design Practice*.

12:20 – 13:20 **Lunch**

13:20 – 14:30 **Technology and human cognition: Empirical studies**

Session chair: Marja Liinasuo



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Chunli Yan and Helena Lindgren. *Diagnostic Reasoning Guided by a Decision-Support System: a Case Study.*

Jonas Gouraud, Arnaud Delorme and Bruno Berberian. *The Influence of Automation over Mind Wandering Frequency in Sustained Attention.*

Maurice Mulvenna, Aideen Gibson, Claire McCauley, Assumpta Ryan, Raymond Bond, Liz Laird, Kevin Curran, Brendan Bunting and Finola Ferry. *Behavioural Usage Analysis of a Reminiscing App for People Living with Dementia and their Caregivers.*

14:30 – 14.50 **Fika (i.e. Tea/Coffee break)**

14:50 – 16:00 **Socially embedded technology**
Session chair: Torkil Clemmensen

Michael Baker, Jonathan Groff, Françoise Detienne, Jerry Andriessen, Mirjam Pardijs, Michael Hogan, Owen Harney, Erna Ruijter, Albert Meijer and Vittorio Scarano. *Technology-supported effective transparency around open data: a dialogue game analysis.*

Christian Stary and Georg Weichhart. *Digital Craftsmanship Capacity Building a Dalton Plan Approach.*

Maurice Mulvenna, Jennifer Boger and Raymond Bond. *Ethical by Design - A Manifesto.*

16:00 – 16:30 **Pitches: Poster, Demo and DC presenters**
Session chair: Françoise Détienne

16:30-17:00 **Poster/ Demo session**

17:15 - **Welcome reception: Arts Museum (included in registration fee).**

September 21, 2017

08:30 – 09:00 **Registration**

08:30 – 09:00 **Arrival coffee**

09:00 – 10.00 **Keynote:**
Kris Luyten, *Making the invisible visible again - toward intelligible interfaces for all*
Moderator: Rikard Harr

10:00 – 10:20 **Fika (i.e. Tea/Coffee break)**

10:20 – 12:20 PARALLEL TRACK A: **Supporting creativity**
Session chair: Anke Dittmar

Graham Dove, Michael Biskjaer, Caroline Lundqvist, Jeanette Olesen and Kim Halskov. *Constraints and Ambiguity: Some Design Strategies for Supporting Small-scale Creativity in the Classroom.*



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Frederica Gonçalves, Ana Karina Caraban, Evangelos Karapanos and Pedro Campos. *What Shall I Write Next? Subliminal and Supraliminal Priming as triggers for Creative Writing.*

Frederica Gonçalves and Pedro Campos. *Understanding and Evaluating the User Interface Design for Creative Writing.*

Celine Mougenot, Francoise Detienne, Miles Pennington, Michael Baker, Tim Corvin, Clair-Antoine Veyrier, Kengo Arai and Samuel Huron. *Tensions in Creativity Workshops.*

10:20 – 11:50 **PARALLEL TRACK B: Technology and human cognition: Models, Approaches, and Frameworks**
Session chair: Harry Witchel

Jayalakshmi Baskar and Helena Lindgren. *Modeling Human-Agent Dialogues.*

Jayalakshmi Baskar, Chunli Yan and Helena Lindgren. *Instrument-Oriented Approach to Detecting and Representing Human Activity for Supporting Executive Functions and Learning.*

Thomas Mejtoft, Lena Lindberg, Ulrik Söderström and Eva Mårell-Olsson. *Feedback in commercial educational applications Guidelines and conceptual framework.*

12:20 – 13:20 **Lunch**

13:20 – 15:10 **Everyday digital technologies: Design, Use, and Non-Use**
Session chair: Michael Baker

Luc Hermans, Mendel Broekhuijsen and Panos Markopoulos. *Memora: a Design for Teenagers to Connect Virtual and Physical Possessions.*

Leena Ventä-Olkkonen, Netta Iivari and Kari Kuutti. *Digital technologies in everyday environments: Zooming in and out to children's and their families' smart device practices with public and private screens.*

Patrick Ehrenbrink and Sabine Prezenski. *Causes of Psychological Reactance in Human-Computer Interaction - A Literature Review and Survey.*

Anke Dittmar and Judy Bowen. *Understanding Active Non-Use through the Framework of Complex Design Space.*

15:10 – 15:30 **Fika (i.e. Tea/Coffee break)**

15:30 – 16:00 **EACE AGM**

16:00 – 17:20 **Physical interactions**
Session chair: Mikael Wiberg

Harry Witchel, Robert Needham, Aoife Healy, Joseph Guppy, Jake Bush, Cécilia Oberndorfer, Chantal Herberz, Carina Westling, Dawit Kim, Daniel Roggen, Jens Barth, Björn Eskofier, Waqar Rashid, Nachiappan Chockalingam and Jochen Klucken. *Using Wearable Inertial Sensors to Compare Different Versions of the Dual Task Paradigm during Walking.*

Joe Chalkley, Thomas Ranji, Carina Westling, Nachiappan Chockalingam and Harry Witchel. *Wearable sensor metric: screen engagement rather than interest causes NIMI of wrist fidgeting more than ankles.*

Veronika Domova, Elina Vartiainen, Maria Ralph, Alvaro Aranda Munoz, Adam Henriksson and Susanne Timsjo. *Re-Introducing Physical User Interfaces into Industrial Control Rooms.*



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19:00 **Conference dinner**

September 22, 2017

08:30 – 09:00 **Registration**

08:30 – 09:00 **Arrival coffee**

09:00 – 10:20 **Design concepts, methods, and practices**
Session chair: Dianne Murray

Konstantinos Gkikas, Dimitris Nathanael and Nicolas Marmaras. *Challenges faced when teaching how to write a user scenario.*

Marisela Gutierrez Lopez, Kris Luyten, Davy Vanacken and Karin Coninx. *Untangling Design Meetings: Artefacts as Input and Output of Design Activities.*

Antonio Rizzo, Francesco Montefoschi, Maurizio Caporali, Antonio Gisondi, Giovanni Burrese and Roberto Giorgi. *Rapid prototyping IoT solutions based on Machine Learning.*

10:20 – 10:40 **Fika (i.e. Tea/Coffee break)**

10:40 – 12:20 **Panel: Digital technology in healthcare and elderly care**
Panellists: Helena Lindgren, Maurice Mulvenna, Ingeborg Nilsson, and John Waterworth
Moderator: Karin Danielsson.

12:20 – 13:20 **Lunch**

13:20 – 14:20 **Usability and User Experience – II**
Session chair: Mattias Arvola

Tatiana Zlokazova and Ivan Burmistrov. *Perceived Legibility and Aesthetic Pleasingness of Light and Ultralight Fonts*

Catherine Honegger, Kanaka Babshet, Ashley Gritzman and Vered Aharonson. *Determining Visual Pattern Complexity for Improved Usability in Computerized Cognitive Testing*

Marja Liinasuo, Anke Dittmar and Eija Kaasinen. *Mediated Experience in Customer-Supplier Relationship*

14:30 – 15:00 **Closing address and ECCE announcements**

15:00 – 15:30 **Fika (i.e. Tea/Coffee break)**