Universität der Bundeswehr München

MÄLARDALENS HÖGSKOLA ESKILSTUNA VÄSTERÅS

2. Conference
Human Behaviour in Design

23. and 24. April 2019
in Tutzing

Program

the Design Society

SIG Human Behaviour in Design

Organisers

Prof. Kristin Paetzold
Institute for Technical Product Development UniBW Munich

Prof. Yvonne Eriksson
School of Innovation, Design and Engineering
Mälardalen university

Event Venue
EVANGELISCHE AKADEMIE TUTZING
Schlossstraße 2+4; 82327 Tutzing; Germany

Arrival by car
By car from Munich on the A95 in the direction of Garmisch to the Starnberg junction, from Starnberg on the B2 to Traubing, turn left to Tutzing. In Tutzing, the way to the academy is signposted.

Arrival by public transport
From the airport: S-Bahn S8 to Tutzing
From Munich main railway station: S-bahn S6 (basement) to Tutzing terminus or regional train in to Garmisch or Kochel. Walk from the station to the Academy: Bahnhofstraße, Hallberger Allee, Hauptstraße, Schlossstraße (about 10 minutes)

Invitiation

Digitalization will change society, work life, activities, technology use and new business conditions that arise from the possibilities that technology provides. The digital technology allows us to do things in completely different ways than we could have before, and gives us the opportunity to do brand new things. We will be using VR, AI and robotics for designing, planning and performing. At the same time, we have to deal with the physical environment, interact with artefacts and build environments. The technology is in many ways mature regarding VR, AI and robotics, but questions remain on how to use and implement the technology in, for example, small and medium manufacturing industry and health care.

Informationen & Contact

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http://unibw.de/itpe/hbid

First Day: 23.04.2019

8:00	Registration
9:00	**Introduction Session** Introduction of main aspects towards the SIG, conference schedule and workshop format, expectation of participants, goal description of the conference *Yvonne Eriksson, Kristin Paetzold*
9:40	**Coffee Break**
9:45	**Session: Augmented problem solving and design activities** Insights from an EEG study of mechanical engineers problem-solving and designing *John Gero, University of North Carolina at Charlotte* Effects of a design support on practicioners designing a Product/Service System – a case study *Abhijna Neramballi, Linköping University* Improving Decision Making by teaching Debiasing Approaches – motivating Engineering Students with reflection *Markus Döllken, KIT Karlsruhe*
10:45	**Keynote** **Human needs as the crux of the matter in product-service systems development** *Christian Wölfel, TU Dresden*
11:30	**Session: Researching users or chasing miracles** Designing research designs for user involvement into various development tasks *Anne Wallisch, UniBW München* There is more than one way to skin a cat – an interdisciplinary UX review *Fabian Pilz, OvG Magdeburg* Designing technical information from a sociocultural theoretical perspective *Carl Jonatan Lundin, Mälardalen University, Eskilstuna*

First Day: 23.04.2019

12:30	**Lunch**
13:30	**Workshop:** **Design Methodology – The blurred lines of user involvement.** Concepts, activities and approaches for user involvement *Olga Sankowski, TU Hamburg*
15:00	**Coffee Break**
15:30	**Workshop:** **Are there novel dimensions in HBiD research?** If digitalization will effect of everyday life and user behavior, what requirements will result for engineering design? Are we well positioned with our approaches?
17:00	**Wrap-Up** Summary, reflection, expectations *Yvonne Eriksson, Kristin Paetzold*

Second Day: 24.04.2019

9:00	**Session: Design influencer human** Empirical Evidence for Kahneman's System 1 and System 2 Thinking Design *John Gero, University of North Carolina at Charlotte* Exploration of gender diversity effects on design team dynamics *Julie Milovanovic, AAU-CRENAU* Handling Human Factors in Car Interior Design *Laura Trautmann, Budapest University of Technology and Economics*

Second Day: 24.04.2019

10:00	**Coffee Break**
10:15	**Keynote** **Digitalization of society: what challenges will users meet?** *Yvonne Eriksson, Mälardalen University Eskilstuna*
11:00	**Session: New realities for old limitations** Using Virtual Reality to match the appearance of technical installations with landscapes *Yuri Borgianni, Free University of Bozen* Aspects of learning in virtual environments *Anneli Avatare Nöu, RISE* Implications of different use cases on the ergonomic evaluation of human-robot collaboration *Daniel Rücker, TH Nürnberg*
12:00	**Organisational Issues** Photo walk, feedback forms, Q&A
12:30	**Lunch**
13:30	**Workshop:** **Are there novel implications for HBiD research?** If this is the case, do we base design on the right understanding of the human being? Do we have sufficient and adequate methods and procedures to include people in development in the context of digitisation? How do we cope with future challenges?
15:00	**Coffee Break**
15:15	**Closing Session** Summary and reflections, closing remarks and outlook to DESIGN20 and further research activities of the SIG, collecting participants wishes for the next steps