Human-Computer Confluence Research Challenges

May 16-17, 2013
Barcelona, Spain

HC² VISIONS

MOTIVATION

HCI research over three decades has shaped a wide spanning research area at the boundaries of computer science and behavioral science, with an impressive outreach to how humankind is experiencing information and communication technologies in literally every breath of an individuals life.

The explosive growth of networks and communications, and at the same time radical miniaturization of ICT electronics have reversed the principles of human computer interaction. Up until now considered as the interaction concerns when humans approach ICT systems, more recent observations see systems approaching humans at the same time. Humans and ICT Systems apparently approach each other confluently.

Human Computer Confluence has been mentioned to become a research priority in "Horizon 2020" (2013-2020), the funding programme of the European Commission that follows after the 7th Framework Programme (FP7, 2007-2013).

HC² VISIONS is a research agenda solicitation action (FP7 FET Project HC²) which may or may not be influential to the FET work programme discussion on new directions in human computer confluence. The HC² VISIONS workshop invites key experts to pose initial research challenge statements articulated by the scientific community in a crowd sourced solicitation attempt. The goals of the workshop are to shape research challenge statements indicating (i) vision, (ii) research approach and (iii) expected impact of prospective research issues by world leading experts in the field. HC² VISIONS is accompanied by a web-based white-book initiative at **www.pervasive.jku.at/hccvisions**.

HC² VISIONS is an open dialog and invites interested scientists, researchers as well as industrial stakeholders to participate and actively engage. **If you want to present your idea in a 5 min position statement** in the HC² VISIONS dialogue sessions, please send an approx. 400 word **summary** to **hc2visions@pervasive.jku.at** by May 15, 2013.

WORKSHOP LOCATION
The workshop will be hosted by Starlab and the venue will be at Starlab facilities.

Starlab
C/Teodor Roviralta, 45
08022 Barcelona – Spain

HC² VISIONS Venue
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HC² is proud to sponsor the upcoming **TEDxBarcelona** event on **"THE FUTURE OF TECHNOLOGY AND SOCIETY"** at the CosmoCaxia Museum in Barcelona, Spain. A great list of speakers from the HCC community have accepted invitations, for what promises to be a very interesting afternoon on Friday, May 17, 2013.

HC² VISIONS is **organized** by Institut für Pervasive Computing, Johannes Kepler Universität Linz, Altenbergerstrasse 69, 4040 Linz, +43 732 2468 8556, hc2visions@pervasive.jku.at, supported by the European Commission under the Future and Emerging Technologies program under grant 258063 HC2.

HC² VISIONS is structured as follows:

Thursday, May 16

12:00-13:00	Registration
13:00-13:30	**Opening** HC² Research Agenda and Roadmap **Alois Ferscha**, University of Linz
13:30-14:15	**Invited Keynote: The Social Computer** **Fausto Giunchiglia**, University of Trento
14:15-14:45	**Position Statements - The Social Computer** (5 min per announced statement)
14:45-15:00	Coffee
15:00-15:45	**Invited Keynote: The Future of Interaction** **Yvonne Rogers**, University College London
15:45-16:15	**Position Statements - The Future of Interaction** (5 min per announced statement)
16:15-16:30	Coffee
16:30-17:15	**Invited Keynote: The Ethical Computer** **Jeroen van den Hoven**, Technical University of Delft
17:15-17:45	**Position Statements - The Ethical Computer** (5 min per announced statement)
20:30-	Dinner

Friday, May 17

09:00-09:45	**Invited Keynote: Responsive Environments** **Joe Paradiso**, MIT Media Lab
09:45-10:15	**Position Statements - Responsive Environments** (5 min per announced statement)
10:15-10:45	Coffee
10:45-11:30	**Invited Keynote: Human Robot Confluence** **Darwin Caldwell**, IIT Genoa
11:30-12:00	**Position Statements - Human Robot Comfluence** (5 min per announced statement)
13:00-14:00	Lunch and End of Meeting
14:00-20:00	TEDxBarcelona, CosmoCaxia Museum "THE FUTURE OF TECHNOLOGY AND SOCIETY (optional - everyone is very welcome!)