

XVI International Conference on
Human Computer Interaction



7-9 September 2015, Vilanova i la Geltrú, Spain

<http://interaccion2015.upc.edu>

Special track: Human-Computer Interaction and the older population in 2025

Special track leader: Sergio Sayago, visiting tenure-track lecturer at Universitat de Lleida



Brief description: In light of an ever-increasing ageing population, along with the continuing pervasiveness of Information and Communication Technologies (ICTs) in multiple facets of daily living, we believe that research into HCI and Ageing will remain just as important over the next decade as it has been for a number of years. The primary aim of this one-day special track is to bring together practitioners in the field of HCI and Ageing in order to discuss the question of where do we go from here? From time to time, it is a healthy practice to take stock of a research area in order to take it forward. Since the seminal Human Factors Research Needs for an Aging Population (edited by Sara J. Czaja in the 1990s), a growing number of HCI studies with older people have been conducted over the past two, almost three, decades. Established research indicates that accommodating for age-related changes in functional abilities is key to the design of more accessible technologies for older people. It is also widely accepted, especially in areas related to HCI (such as Gerontology) that older people are a very heterogeneous user group and that chronological age is not always helpful enough to conceptualize ageing. There is also a growing movement in favour of moving away from “assistive” technological conceptions based on stereotypical negative views of ageing. Conducting Participatory Design with older people is not so straightforward as we might think.

How will this body of knowledge change when most of today's non-digital immigrant adult people grow older? How will current trends in technology development (e.g. Wearables, Big Data, Casual games and Do-It-YourSelf (DIY)) impact on HCI studies with older people? How will the fourth age shape HCI and Ageing in 2025?

Topics of interest: The list of topics of interest includes, but it is not limited to:

- **Ageing:** How should ageing be conceptualized and operationalized within HCI? In addition to seeing ageing at the individual and social level, how will other possible ways of looking at ageing (for instance, from a cultural, rural, emotional and gendered perspective) impact on HCI in 2025, and why? How will carry over the results of cognitive ageing studies conducted in the 1940-50s, in which user interface design / usability / accessibility studies are grounded, into HCI 2025?
- **Interactivity:** With the constant evolution of technologies, how does Big Data affect the older person, and, more importantly, how can Big Data help us to design better technologies and services for them? What types of wearables will older people wear in the future and what for? DIY kits allow older people to create their own digital technologies. How will (or does) this fact impact on HCI? Citizen Cyberscience is burgeoning. What are the challenges and opportunities (e.g. interaction with tablets and smartphones), from an HCI perspective, of a senior Citizen Cyberscience?
- **Methodologies:** How will today's HCI research and Participatory Design methods change when we work with older people who are mostly non-digital immigrants and considerably used to taking part in research / survey activities? The percentage of older people who belong to minority groups is expected to grow considerably between 2000 and 2050. How will this demographic change impact on developing and conducting more culturally sensitive HCI methodologies in 2025?

Objectives: We seek to bring together a group of motivated and active researchers, technology developers, designers and practitioners in the field of HCI research and Ageing in order to: (a) reflect critically and constructively on the state-of-the-art of the field of HCI with older people, in which we will review the current relationship between older people and ICTs, covering aging, design methodologies, the types of technologies being developed, and how contemporary problems are being addressed; and (b) build upon this current body of knowledge (lessons learned, mistake made, areas overlooked) in order to discuss future research challenges faced within the field of HCI and Ageing.

Expected audience and outcomes: This special track is aimed at practitioners (e.g. researchers, software / hardware developers or designers) in the field of HCI and Ageing. The main deliverable will be a white paper highlighting the outcomes of the main topics and themes discussed in the special track. This white paper will be available on the special track's website¹. We expect that the special track will encourage the fostering of working relationships and joint publications between likeminded attendees.

¹ dtic.upf.edu/~ssayag/specialtrack-Interaccion2015-HCI-Ageing

Important Dates:

Submission Deadline: April 8

Author Notification: May 13

Camera-ready papers due: May 27

Date of the special track: To be confirmed

Conferences dates: Sep 07-09, 2015

Organizing Committee (in alphabetical order):

- Josep Blat, Universitat Pompeu Fabra
- Andreu Català, Universitat Politècnica de Catalunya
- Andrea Rosales, IN3-Universitat Oberta de Catalunya
- Sergio Sayago, Universitat de Lleida

Program Committee: The program committee (PC) consists of a multidisciplinary, international team of active practitioners in the fields of HCI and Ageing. The members of the PC are listed below in alphabetical order.

- Jim Ang, University of Kent, UK
- Josep Blat, Universitat Pompeu Fabra, Spain
- Graeme Coleman, The Paciello Group, UK
- Barbara Crow, York University, Canada
- Mireia Fernández-Ardèvol, IN3-Universitat Oberta de Catalunya, Spain
- Paula Forbes, University of Dundee, Scotland, UK
- Rosa Gil, Universitat de Lleida, Spain
- Toni Granollers, Universitat de Lleida, Spain
- Siân Lindley, Microsoft Research Cambridge, UK
- Paloma Martínez, Universidad Carlos III de Madrid, Spain
- Nicola Morelli, Aalborg University, Denmark
- Lourdes Moreno, Universidad Carlos III de Madrid, Spain
- Mark Rice, Institute for Infocomm Research, Singapore
- Margarida Romero, Université Laval, Canada
- Andrea Rosales, IN3-Universitat Oberta de Catalunya, Spain
- David Sloan, The Paciello Group, UK

Submission Guidelines:

All contributions will be reviewed by at least two members of the PC of this special track (peer review). All contributions will be written following the [ACM template](#). The first version must be submitted in PDF. Authors should submit an original paper written in English in any of the following submission categories:

- Full Papers: Full papers should describe original work that have not previously been published and provide significant results of scientific research. Presentation time for full papers will be 15 minutes plus 5 minutes for questions. These papers are assigned a 8 page limit in the conference proceedings.

- **Short Papers:** Short papers should describe innovative work in progress, without significant results yet, that contribute to well founded research. Presentation time for short papers will be 10 minutes plus 5 minutes for questions. These papers are assigned a 4 page limit in the conference proceedings.

Publications:

All papers accepted for the conference will be published in the conference proceedings under ISBN, on CD-ROM support, as long as the camera-ready submission, registration and copyright document have been received. The conference proceedings will be submitted for indexation by Thomson Reuters Conference Proceedings Citation Index (ISI), INSPEC, DBLP and EI (Elsevier Index). Accepted full and short papers will be published entirely in the ACM Digital Library.

Conferences Submission System

Papers should be submitted electronically via the EasyChair web based submission system. Inside EasyChair the topic “Special Track HCI and older population” must be selected.

<https://easychair.org/conferences/?conf=interaccion2015>

Short bio: Sergio holds a PhD Cum Laude in Computer Science and Digital Communication by Universitat Pompeu Fabra (UPF, 2009). He is currently a visiting tenure-track lecturer at Universitat de Lleida. Prior to that, he was a post-doctoral research fellow at Universidad Carlos III de Madrid (2012 –2014, *Alliance 4 Universities Fellowship*) and at University of Dundee (Scotland, 2010-2012, *Beatriu de Pinós Fellowship*). He has been conducting research in the field of Human-Computer Interaction with older people (60+) since 2004. He has carried out five years of fieldwork (ethnography and participant observation) in computer clubhouses and adult educational centres in Barcelona, Dundee & Madrid.

Contact: sergio.sayago@diei.udl.cat

Home Page: www.dtic.upf.edu/~ssayag



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