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Second Seminar on Advanced Techniques in Human-Computer Interaction

Organized by the ADIAN research group[1] with the collaboration of BaiLab and Egokituz

Date: May 17, 2017

Time: From 10:00 to 13:00

Place: Ada Lovelace Conference Room. Faculty of Informatics. University of the Basque Country. Manuel Lardizabal 1, 20018 Donostia

Attendance: free until completing the capacity of the conference room

Schedule:

10:00 *Presentation*. Dr. Julio Abascal.

Head of the ADIAN research group.

10:15 *Adapting Social Networks for the Aged Population.*

Dr. Carlos Duarte

Department of Informatics, Faculty of Sciences of the University of Lisbon and a researcher at LaSIGE /HCIM group.

Older adults still face challenges when interacting with ICT. This contributes to increase their feelings of isolation, since it prevents them from taking an active part in the online lives of their younger family members. In this talk I will present our work on the interface design and adaptation of the largest online social network - Facebook - in order to make it accessible for the senior population.

11:00 Coffee break

[1] ADIAN is supported by the Department of Education, Universities and Research of the Basque Government (Grant IT980-16).

11:30 *Activity Trackers in Elderly with Reduced Mobility*

Dr. Antón Civit

Catedrático de Arquitectura y Tecnología de Computadores. Universidad de Sevilla

The accuracy and usefulness of current commercially available activity trackers in rollator dependent elderly with reduced mobility, compared with elderly with normal mobility and healthy adults show that slow walking speed and gait disorders hamper the utility of pedometers for physical activity measurement in rollator dependent elderly. Commercially available activity trackers are better suited for use by ostensibly healthy elderly or adult populations.

12:15 *Towards End Users Personalization of Context-dependent Applications in the Wild*

Dr. Fabio Paternò

Research Director at C.N.R.-ISTI (Pisa) and of the Laboratory on Human Interfaces in Information Systems.

The advent of mobile technologies and the Internet of Things have made extremely variable and dynamic the contexts of use in which we access our applications. This talk describes how to support end users in specifying how their applications and environments should adapt to the various types of contextual events and/or conditions. A platform developed at the HIIS Laboratory of CNR- ISTI for this purpose is illustrated, as well as how it can be customized for various domains, applications, and contexts of use.

The context-dependent personalization is modelled through trigger / action rules, which can be specified by people without programming experience, and can be applied to Web applications that were not originally designed to be context-aware in order to create versions customized for specific contexts of use and needs. I will discuss how this approach enables the dynamic creation and execution of personalized application versions more suitable for specific contexts of use, and report on first example applications in real world contexts.

13:00 Conclusions and final remarks
