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OPAA Workshop (http://alfred.eu/opaa-workshop/)

16 September 2016

Munich, Germany

Title: 1st International Workshop on Open Platforms in the Field of Independent Living and Active Ageing

With speaker from Google about Big Data and Machine Learning

Europe is ageing. As a consequence products and services, which support active ageing, are increasingly overflowing the market. Many of these products and services comprise IoT (Internet of Things) and IoS (Internet of Services) that can track, monitor and support health and wellbeing at home and on the road. They are often built up by components or products of different providers with different or no industrial standards. Solutions are difficult to integrate due to these interoperability-issues and they are scattered on the market. This makes it for businesses and developers difficult to expand their offer. And for consumers it is difficult to choose the solutions that can best support their health and wellbeing according to their specific needs.

The ALFRED project organizes a workshop in collaboration with invited speakers to present and discuss:

- possibilities for interoperability and open frameworks to bring solutions together
- research results concerning interoperability and standards in the field of active ageing
- needs of end users of technology and how these can be tackled within research
- news from Google and it's Google Cloud Platform and Google's Big Data Solutions

About the ALFRED Project (http://alfred.eu/):

ALFRED – Personal Interactive Assistant for Independent Living and Active Ageing – is a project funded by the Seventh Framework Programme of the European Commission under Grant Agreement No. 611218. It will allow older people to live longer at their own homes with the possibility to act independently and to actively participate in society by providing the technological foundation for an ecosystem consisting out of four pillars:

User-Driven Interaction Assistant to allow older people to "talk" to ALFRED and to ask questions or define commands in order to solve day-to-day problems.

Personalized Social Inclusion by suggesting social events to older people, considering her interests and her social environment.

A more *Effective & Personalized Care* by allowing medical staff or carer to access vital signs of older people monitored by (wearable) sensors.

Physical & Cognitive Impairments Prevention by incorporating serious gaming to improve the physical and cognitive condition by offering games and quests to older people.

Workshop Chair: Dr. Peter Merz, TIE Kinetix GmbH, Germany (peter.merz@tiekinetix.com)

Workshop co-Chair: Michael Krummen, Ascora GmbH, Germany (krummen@ascora.de)

Programme:

09:30	Welcome
09:40-10:10	Serious Games for Personalized Health(care) (Dr. Stefan Göbel, Technical University Darmstadt, Germany)
10:10-10:40	Sensor Abstraction Framework Architecture for Wearable Devices (Josue Ferri, AITEX (Textile Industry Research Association, Spain)
10:40-11:10	TDM: An Open Dialogue Platform for Active Ageing (Dr. Frederik Kronlid, Talkamatic AB, Sweden)
11:10-11:30	Coffee break
11:30-12:00	Containers as a Service with Docker to Extend an Open Platform (Tobias Hardes, Ascora GmbH, Germany)
12:00-12:30	Information fusion and algorithm training framework (Alejandro Sánchez-Rico, Artica Telemedicina, Spain)
12:30-13:00	Interoperability in the Field of AAL. Integration Profiles and Latest Results (Lars Rölker-Denker, Offis e.V., Germany)
13:00-14:00	Coffee break
14:00-14:30	Market Opportunities in Active Ageing and eHealth (Federica Righi, IESE Business School, Spain)
14:30-15:00	Involvement of End Users in Design and Development of Products for Active Ageing (Dr. Florian Feldwieser, Charité-Universitätsmedizin Berlin, Forschungsgruppe Geriatrie, Germany)
15:00-15:30	Handling Big Data (Genomics project as an example) and Machine Learning with Google Cloud Platform (Steren Giannini, Google)