Call for Contributions for

Special session: AIALT: Ambient Intelligence for Assisted Living and Telehealth
Chair and Coordinator: Dr. Muhammad Wasim Raed, King Fahd University of Petroleum and Minerals, Saudi Arabia raad@kfupm.edu.sa

along with
AMBIENT 2016, The Sixth International Conference on Ambient Computing, Applications, Services and Technologies
http://www.iaria.org/conferences2016/AMBIENT16.html
October 9 - 13, 2016 - Venice, Italy

Submissions deadlines
Submission deadline: August 30
Acceptance deadline: September 10
Registration deadline: September 15
Camera-ready deadline: September 15

Submissions to: steve@iaria.org

Contribution types
Regular papers [in the proceedings, digital library]
Short papers (work in progress) [in the proceedings, digital library]
Posters: two pages [in the proceedings, digital library]
Posters: slide only [slide-deck posted on www.iaria.org]
Presentations: slide only [slide-deck posted on www.iaria.org]
Demos: two pages [posted on www.iaria.org]

Paper Format
See: http://www.iaria.org/conferences2016/CfPAMBIENT16.html
Before submission, please check and comply with the editorial rules:
http://www.iaria.org/editorialrules.html

Publications
Extended versions of selected papers will be published in IARIA
Journals: http://www.iariajournals.org
Print proceedings will be available via Curran Associates, Inc.:
http://www.proceedings.com/9769.html
Articles will be archived in the free access ThinkMind Digital Library:
http://www.thinkmind.org

Registration
Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
Registration fees are available at http://www.iaria.org/registration.html

Content

Ambient Intelligence (AI) has been adopted as a term referring to environments that are sensitive and responsive to presence of people and it is expected to become the next wave of ubiquitous computing. On the other side, telehealth is defined as the mode of delivering health care services and public health via information and communication technologies to facilitate the diagnosis, consultation, treatment, education, care management, and self-management of a patient's health care, while the patient is at the originating site and the health care provider is at a distant site. This will happen by incorporating intrinsic intelligence in pervasive systems to boost research focused on designing smart environments that utilize state-of-the-art advances in sensors and communication technology to support assisted living and telehealth.

Given the limitations imposed to cardiac patients, particularly elderly suffering from chronic diseases like Alzheimer, remote monitoring solutions, specifically wireless and wearable technologies, are of much interest and need to monitor the patient without diminishing his/her quality of life; these solutions are subject to constant improvements.
The aim of this special session is sharing latest progress, current challenges and potential applications of AI and Wearable Sensors (WS) for Assisted Living (AL) and Telehealth.

The topic suggested by the track can be discussed in term of concepts, state of the art, research, standards, implementations, running experiments, applications, and industrial case studies. Authors are invited to submit complete unpublished papers, which are not under review in any other conference or journal in the following, but not limited to, topic areas:

 - Ubiquitous computing for assisted living
- Ambient assisted intelligence
- Ambient intelligence for telehealth
- Vital signs and wireless body area networks for AAL (Ambient Assisted Living)
- Internet of Things (IoT) for AAL
- Tele-Rehabilitation and AAL
- RFID (Radio Frequency IDentification) and WSN (Wireless Sensor Networks) for AAL
- Signal Fusion in Ubiquitous Environments
- Smart homes for AAL
- Autonomous robotic systems for AAL
- Ambient intelligence for telecardiology
- Ambient intelligence for monitoring ADL (Activities of Daily Living)
- Context-aware Pervasive Systems for AAL

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