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International Workshop on Internet of Things for Ambient Assisted Living (IoTAAL)

In conjunction with IEEE GLOBECOM 2015, 6-10 December 2015, San Diego (CA), USA

Workshop Chairs Susanna Spinsante, Università Politecnica delle Marche, ITALY Joel Rodrigues, Instituto de Telecomunicações, University of Beira Interior, PORTUGAL	**Call for Papers** Population ageing is a long-term trend which began several decades ago in the EU, as well as in many developed countries in the rest of the world. This ageing process is visible in the development of the age structure of the population, and is reflected in an increasing share of older persons and a declining share of working age persons in the total population.
Technical Program Chairs Ennio Gambi, Università Politecnica delle Marche, ITALY Chirag Warty, Intelligent Communication Lab, INDIA Fa-Long Luo, Element CXI, USA	Among the actions conceived to fulfill a progressing ageing trend, Ambient Assisted Living (AAL) encompasses technical systems, infrastructures, and services to support elderly people in their daily routine, to allow an independent and safe lifestyle, as long as possible, via the seamless integration of information and communication technologies within homes and residences. Most efforts towards the realization of AAL systems are based on developing pervasive devices and use Ambient Intelligence (AI) to integrate these devices together, to construct a safe environment.
Keynote Speaker Roberto Minerva, Head of Innovative Architectures within the Future Centre in the Strategy Department of Telecom Italia SpA (ITALY), Chair of the IEEE IoT Working Group	Effective AAL solutions require appropriate ICT algorithms, architectures and platforms, that cannot leave out of consideration the development of new and innovative approaches, particularly in the area of pervasive and mobile systems. Among them, the Internet of Things (IoT) paradigm is leading to smart objects being capable of identifying, locating, sensing and connecting, and thus opening possibilities for new forms of communication between people and things, and things themselves. IoT and AAL already share basic pillars in the development of related technology: demand for reliable energy-efficient designs and energy harvesting, including low-power circuits and communication protocols; layers of intelligence, to transform the massive amount of data generated by pervasive systems into wisdom; essential privacy and security requirements. This workshop aims to investigate the potential benefits gained when specializing the IoT for AAL, to avoid redundancy and leverage the harmonization of the technological approaches towards an increased Quality of Life for the current and future ageing populations.
Publicity Chairs Lambros Lambrinos, Cyprus University of Technology – CYPRUS Enea Cippitelli, Samuele Gasparrini, Università Politecnica delle Marche, ITALY	The goal of the IoTAAL workshop is to bring researchers from the IoT field and the AAL field together, to foster a better common understanding, to exchange visions and latest research results addressing IoT specialization for AAL, to discuss promising new technologies and to highlight open research challenges.
Technical Program Committee to be announced soon check the website	The topics of interest may include, but are not limited to: • IoT communications for AAL and Enhanced Living Environments • Mobile solutions for AAL • IoT enabled signal acquisition, analysis, and processing for activity identification and recognition in AAL • Smart Ad Hoc Networks and Wireless Sensor Networks (WSNs) for AAL • Distributed sensing and alarming technologies for AAL • IoT devices (smart objects) and cyber-physical systems for AAL • E-healthcare, telemedicine and tele-monitoring through IoT in AAL systems

Important Dates	• AAL networks and systems architectures
	• Green networking in IoT for AAL
Workshop Paper Submission: July, 1st 2015 (**strict**)	• Security, privacy, and trustworthiness management in IoT for AAL
	• Information processing for AAL communications
Acceptance/Rejection Notification: September, 1st 2015	• Interoperability among IoT and AAL platforms
	• Cloud and Mobile Cloud for AAL
	• Algorithms and techniques for IoT enabled AAL data analytics
Camera Ready Submission: October, 1st 2015	• Big data management in AAL
	• IoT applications, systems, and testbeds for AAL
	• Standardization activities of IoT for AAL
	• Future directions in IoT for AAL

All final submissions should be written in English with a maximum paper length of six (6) printed pages (10-point font) including figures without incurring additional page charges (maximum 1 additional page with over length page charge of USD100 if accepted). Papers exceeding 7 pages will not be accepted at EDAS.

Standard IEEE conference templates for LaTeX formats are found at here: http://www.ieee.org/conferences_events/conferences/publishing/templates.html

Only PDF files will be accepted for the review process, and all submissions must be done through EDAS.

Workshop website: www.tlc.dii.univpm.it/iotaal