

## AfCAI 2016

# Affective Computing and Context Awareness in Ambient Intelligence

### Date and Venue:

two day workshop will be held in Universidad de Murcia, Spain, on 24-26 November 2016

### Description

- The objective of the workshop is to bring together people interested in research on affective computing, ambient intelligence, and context aware systems
- We assume goal oriented yet multidisciplinary research approach, including computer science, artificial intelligence, biomedical engineering, and experimental sciences.
- We consider both fundamental and applied research with participation of companies where possible.
- We aim at identifying opportunities for cooperation and EU project applications.

### Topics

The list of the topics include, but is not limited to:

- affective computing (AfC)
- ambient intelligence (Aml)
- context aware systems (CaS)
- neurobiological approaches for AfC
- psychological and philosophical models of emotions and affects
- physiological measurements for affect detection
- emotive user interfaces
- neuroethics and affect
- body sensor networks
- data mining and knowledge discovery methods for AfC and Aml
- mobile platforms for context-aware affective systems
- mixed (virtual/augmented) reality environments for affect generation and acquisition
- affective computer games
- AfC challenges for HCI (human computer interaction)
- gamification of AfC experiments
- smart cities applications of AfC

### Organizers/Chairs:

Maria Trinidad Herrero Ezquerro, Universidad de Murcia

Grzegorz J. Nalepa, AGH University of Science and Technology, Jagiellonian University

José Tomás Palma Méndez, Universidad de Murcia

### Programme Committee (tentative)

- Piotr Augustyniak, AGH University of Science and Technology, Poland
- Fabio Babiloni, Università di Roma, Sapienza,
- Joachim Baumeister, denkbare GmbH, Universität Würzburg, Germany
- David Camacho, Universidad Autónoma de Madrid, Spain
- Maria Trinidad Herrero Ezquerro, Universidad de Murcia
- Jason Jung, Chung Ang University, South Korea
- Grzegorz J. Nalepa, AGH University of Science and Technology, Jagiellonian University
- Paulo Novais, Universidade do Minho, Portugal
- Andreas Nauerz, IBM Research & Development, Germany
- José Tomás Palma Méndez, Universidad de Murcia
- Adrian Paschke, Freie Universität Berlin, Fraunhofer FOKUS, Germany
- Arianna Trettel, Brainsigns, Italy

## **Submission**

Before the workshop extended abstracts (2-4 pages) of the talks are expected.

The objective is to be able to select and align topics. Please use the Easychair site provided <https://easychair.org/conferences/?conf=afcai2016>

## **Webpage**

<https://www.affcai.eu>

## **Publication**

Extended abstracts will be published with CEUR WS.

A post workshop publication in a JCR journal of selected papers based on the talks given during the workshop and the discussion is planned.

## **Deadlines (tentative)**

- 2016-10-14 extended abstracts due
- 2016-10-21 notification
- 2016-11-24-36 workshop