

# Call for Paper

# SAGAware2015

The 3<sup>rd</sup> International Workshop on Situation, Activity and Goal Awareness

In conjunction with the 12th IEEE International Conference on  
Ubiquitous Intelligence and Computing (UIC 2015)  
August 10-14, 2015, Beijing, China

Ubiquitous computing aims to enable and support anywhere, anytime, context-aware applications. Sensing, interpretation and integration of events, behaviours and environmental states are key to the success of such ubiquitous systems. Over the past two decades, there has been a constant shift of sensor observation modeling, representation, interpretation and usage, namely from low-level raw observation data and their direct/hardwired usage, data aggregation and fusion, to high-level formal context modeling and context-based computing. It is envisioned that this trend will continue towards a further higher level of abstraction, allowing situation, activity and goal modeling, representation and inference, thus realizing the vision of ubiquitous computing.

This workshop intends to bring together researchers and practitioners from relevant fields to present and disseminate the latest accomplished and/or ongoing research on Situation, Activity and Goal Awareness (SAGAware) and their novel application in ubiquitous computing. It aims to facilitate knowledge transfer and synergy, bridge gaps between different research communities/groups, lay down foundation for common purposes, and help identify opportunities and challenges for interested researchers and technology and system developers.

Workshop topics include, but are not limited to:

#### Approaches, methodologies, methods and theoretical foundation

- Context and situation modelling, representation and inference
- Goal and activity modelling, representation and recognition
- Behaviour analysis, change detection and pattern recognition
- Group and social activity modelling and recognition
- Approaches and open architecture for SAGAware systems

#### Technologies, mechanisms, tools and middleware

- Ambient and smartphone/wearable sensing, sensor networks
- Technology infrastructure and middleware
- Data management, big data and cloud based processing
- Multi-modal interaction and intelligent interfaces
- Personalisation and adaptation

#### System, application, case studies and evaluation

- Real world application design, implementation and deployment
- Cased studies, and technology and system evaluation
- Smart homes, ambient assisted living
- Mobile social networking and interaction
- Smart cities, smart cyber physical systems

Interested authors can submit Full Technical Papers with maximum 6 pages or Short Position Papers, mainly “work in progress” with maximum 4 pages. All submissions should follow the IEEE CS format which can be found in [UIC2015 submission page](#).

Accepted papers must be presented at the workshop and will appear in the proceedings of the UIC2015 conference by IEEE Computer Society. High-quality papers will be invited, after consolidation, to be published in special issues, including [International Journal of Distributed Sensor Networks](#) (IJDSN), [International Journal of Pervasive computing and Communications](#).

#### Important Dates:

##### Submission deadline:

May 10, 2015

##### Acceptance notification:

May 20, 2015

##### Camera ready version:

June 5, 2015

##### Workshop date:

August 10, 2015

#### Workshop Co-chairs:

**Liming Chen**, De Montfort University, UK

**Diego Lz. de Ipiña**, University of Deusto, Spain

**Bin Guo**, Northwestern Polytechnical University, China

**Oliver Amft**, University of Passau, Germany

**Parisa Rashidi**, University of Florida, USA

#### Workshop Manager:

[Gorka Azkune](#)