



I-ESA 2016

The International Conference on Interoperability for Enterprise Systems and Applications

*Enterprise Interoperability in the digitized and networked Factory of the Future*

GUIMARÃES, Portugal

Pre-Conference:

29<sup>th</sup> March 2016 (Doctoral Symposium)

29<sup>th</sup> - 30<sup>st</sup> March 2016 (Workshops)

Conference: 31<sup>st</sup> March - 1<sup>st</sup> April 2016

## Call for Workshop Papers

### Workshop:

### “Sensing Enterprise: Opportunities and Barriers”

#### Workshop Chairs:

**Carlos Agostinho, UNINOVA, Fenareti Lampathaki, NTUA, Sergio Gusmeroli, TXT e-solutions,**

You are cordially invited to participate to the Workshop “Sensing Enterprise: Opportunities and Barriers”, in the **International Conference on Interoperability for Enterprise Systems and Applications I-ESA 2016**. Since several years, I-ESA is the major event about Enterprise Interoperability and the official conference of Virtual Laboratory for Enterprise Interoperability ([INTEROP-VLab](#)) with the sponsorship of the International Federation for Information Processing ([IFIP](#)).

Accepted and presented papers will be published by [ISTE Publications UK](#).

#### **Objectives**

With the technology availability on the domain of the Internet of Things (IoT), enterprises appear in dire need of innovative ideas to adapt, remain competitive, or sometimes simply survive in the digital era. The emerging concept of the Sensing Enterprise attempts to reconcile traditional non-native “Internet-friendly” organisations with the tremendous possibilities offered by the cyber worlds, sensing and reacting to stimuli, by integrating decentralised intelligence, context awareness, dynamic configurability and sensorial technology into its decision-making process. It refers to “an enterprise anticipating future decisions by using multi-dimensional information captured through physical and virtual objects and providing added value information to enhance its global context awareness”.

The objective of the workshop is threefold:

- To demonstrate the progress in research and development within the frame of the different projects addressing the Sensing Enterprise concept or the broader Digital Enterprise aspects, e.g. OSMOSE, Proasense, Interact, FutureEnterprise, etc.
- To analyse the barriers and limitations to the sensing enterprise in industry, addressing issues such as the technology needed to improve the digital / sensing readiness of small and micro enterprises that have mostly manual processes today.
- To promote scientific and technical collaboration between on-going projects in the area of Sensing Enterprise. To examine the institutional and governmental issues and barriers concerning the application of big data in transport providing policy recommendations towards "data openness" and sharing.

#### **Topics**

Sensing Enterprise: context awareness, data collection, sensor networks, cyber-physical systems, IoT middleware, knowledge management, decentralised intelligence, dynamic manufacturing, interoperability (from devices to organizational), decision and co-evolution strategies, modelling

#### **Paper Submission**

Papers abstracts must be in English, describes original work and must follow the [ISTE guidelines](#) for authors. Paper length should be 6 pages for a full paper and 4 pages for a short paper. The selection of the paper will be performed based on the abstract and not on the full paper.

Authors should submit their contributions by email to the Workshop Chair Carlos Agostinho ([ca@uninova.pt](mailto:ca@uninova.pt))

**I-ESA  
2016**



**29 March - 1 April 2016**

INTEROPERABILITY FOR ENTERPRISES SYSTEMS  
AND APPLICATIONS

**18TH INTERNATIONAL CONFERENCE!**



**Guimarães  
Portugal**

**I-ESA 2016**

**The International Conference on Interoperability for Enterprise  
Systems and Applications**

*Enterprise Interoperability in the digitized and networked Factory of  
the Future*

**GUIMARÃES, Portugal**

**Pre-Conference:**

29<sup>th</sup> March 2016 (Doctoral Symposium)

29<sup>th</sup> - 30<sup>st</sup> March 2016 (Workshops)

**Conference:** 31<sup>st</sup> March -1<sup>st</sup> April 2016

### **Key Dates**

- January 15th , 2016, Submission of abstract
- January 30th ,2016, Notification of acceptance
- March 7th , 2016, “final draft” paper
- 29<sup>th</sup>, 30<sup>th</sup> March 2016 I-ESA 2016 Workshops
- April 15th , 2016: Camera-ready of the “final version” of the papers, including the summary of the discussion by workshop,

Please, consider that **at least one author per paper must register** to the Workshops by **January 15<sup>th</sup>, 2016**. If none of the authors is registered, the paper will not be included in the workshop programme and in the proceedings.

#### **Further Information about this Workshop**

Enquiries to: Carlos Agostinho ([ca@uninova.pt](mailto:ca@uninova.pt))

#### **Further Information about Conference**

Website: [www.i-esa.org](http://www.i-esa.org)