

September 12 – 15, 2017 - Limassol, Cyprus

Call for Papers / Invitation to Special Session SS04

SS04. Ontologies and Information Modelling

Special Session Organizers

Andreas Bunte, OWL University of Applied Science, Institute industrial IT, Langenbruch 6, 32657 Lemgo
+49 5261 702 5714, andreas.bunte@hs-owl.de

Florian Pethig, Fraunhofer IOSB-INA, Langenbruch 6, 32657 Lemgo
+49 5261 94290-45, florian.pethig@iosb-ina.fraunhofer.de

Christian Diedrich, Otto-von-Guericke-Universität Magdeburg, IFAT, Universitätsplatz 2, 39106 Magdeburg
+49 391 67 58499, christian.diedrich@ovgu.de

Aim:

The demand on new and smart functions, such as self-configuration, self-optimization and self-diagnosis, in industries is continuously increasing due to trends such as “Industrie 4.0” and “Industrial Internet”. However, one important step to enable these functions is semantically annotated information with an underlying information model. Until now, there is a gap in suitable information models, not even the requirements to such models are identified properly and thus a standard is not available.

This special session’s aim is to gather all activities in the semantic field beginning with the requirements analysis for some industry use-cases, technologies and tools to create and apply these models, developed information models as well as grammar which is able to deal with these models. Submissions from researchers are as welcome as submissions from practitioners.

This special session will be focusing on (but not limited to) the following topics:

- Semantic technologies and Ontologies for industries
- Information models for industry applications
- Grammar to use in information models
- Introduction of existing use cases and example applications
- Tool support

Submission of Papers: The working language of the conference is English. Papers are limited to 8 double column pages in a font no smaller than 10-points. Manuscripts must be submitted electronically in PDF format, according to the instructions contained in the Conference web site.

Paper Acceptance: Each accepted paper must be presented at the conference by one of the authors. The final manuscript must be accompanied by a registration form and a registration fee payment proof. All conference attendees, including authors and session chairpersons, must pay the conference registration fee, and their travel expenses.

No-show Policy: The ETFA2017 Organizing Committee reserves the right to exclude a paper from distribution after the conference at IEEE Xplore if the paper is not presented at the conference.

Author’s Schedule:

Deadline for submission of special sessions papers:

April 9, 2017

Notification of acceptance of special sessions papers:

May 15, 2017

Deadline for submission of final manuscripts – special sessions:

July 2, 2017

<http://www.etfa2017.org>