



Call for Papers

6th International IFIP Working Conference on Enterprise Interoperability (IWEI 2015)

“From Enterprise Interoperability Modelling & Analysis to Enterprise Interoperability Engineering”

<http://iwei2015.mines-ales.fr/>

May 13th - 15th 2015, Nîmes, France

Organised by [IFIP Working Group 5.8](#) on Enterprise Interoperability
in cooperation with [INTEROP-VLab](#)

SCOPE

Enterprise interoperability is now considered as a key factor for successful collaborations. It affects the behavior of the company at different levels, ranging from decision-making to operation *via* information management. Moreover, it comes from different areas such as organizational and technical, human, social or economic. Enterprise interoperability is therefore identified as a critical need - that has to be considered all along the collaboration life cycle - for companies wishing to improve their ability to work together efficiently and in a profitable manner while remaining flexible, responsive and progressing step by step. To address this need one should know how to handle and represent it, how to specify, check, implement and evaluate solutions from various origins and aims (technical, processes, rules...), and how to improve it during collaboration.

The IFIP International Working Conference on Enterprise Interoperability (IWEI) is part of a series of conferences, which are organized by the IFIP TC5 Working Group 5.8 on Enterprise

Interoperability. The IWEI series of conferences aim at identifying and discussing challenges and solutions with respect to enterprise interoperability, both at the business and the technical level. Since 2007, five IWEI conferences have been held in Munich (Germany, 2007), Valencia (Spain, 2009), Stockholm (Sweden, 2011), Harbin (China, 2012) and Enschede (The Netherlands, 2013). IWEI 2015 is the 6th IWEI conference, this time organized in Nîmes, France.

This conference focuses on enterprise interoperability engineering and development challenges considering together conceptual, methodological and technical viewpoints. The conference seeks to promote the development of:

- Scientific foundations for enterprise interoperability engineering and management;
- Architectural (functional, physical and technical) models and interoperability requirements repository;
- Methodological framework for addressing interoperability engineering challenges considering various stakeholders and various viewpoints of enterprise actors;
- Practical solutions and best practices for assuming and improving enterprise interoperability;
- New business and IT approaches and solutions for improving enterprise interoperability;
- Methods, models, techniques and tools to assess and evaluate interoperability solutions' relevance.

TOPICS OF INTEREST

Original submissions, with explicit contributions to enterprise interoperability, are invited from both researchers and practitioners in the following (non-exhaustive) list of topics:

- **Conceptual**

- Science base for enterprise interoperability
- System thinking approach for enterprise interoperability
- Enterprise as a system: enterprise interoperability vs. system interoperability
- Enterprise architecture and enterprise modelling for enterprise interoperability
- Interoperability as a specific “-ility” of enterprise: Functional and Non-functional aspects of interoperability
- Native interoperable enterprises systems design: information, decision and manufacturing systems interoperability for enterprise interoperability
- Role and issues of enterprise interoperability facing Internet of things, Physical Internet and Future Internet challenges...

- **Methodological**

- Modelling and analysing enterprise interoperability
- Interoperability requirements modelling and analysis approaches and solutions
- Model Driven Interoperability (MDI) / Model Based Interoperability (MBI)
- Model Driven Engineering (MDE) / Model Based System Engineering (MBSE)

- Verifying enterprise interoperability with models: checking mechanisms and techniques, simulation approaches...
- Validating enterprise interoperability with models: expertise, simulation, ontologies, reference models, interoperable solutions patterns...
- Assessing and evaluating enterprise interoperability solutions: assessment approaches and techniques, metrics, quality criteria, maturity models, techniques and tools...
- **Technical**
 - Business-IT alignment for interoperability
 - Service-Oriented Architectures and Enterprise Interoperability
 - Semantic web and Enterprise Interoperability
 - Enterprise interoperability technical solutions for specific sectors and for services (transport, health care...)
 - Case studies, return of experience and best practices reports about enterprise interoperability solutions applied on specific sectors and for different services...

IMPORTANT DATES

- **Paper submission due:** January 16th, 2015
- **Notification to authors:** February 9th, 2015
- **Camera ready due:** March 23rd, 2015
- **Conference:** May 13th – 15th, 2015

SUBMISSION GUIDELINES

The conference welcomes submissions of full papers (8 to 14 pages long) and position papers (around 4 pages). Submitted papers should describe original results or ideas, or new insights gained from cases studies or applications, and should not be submitted or accepted for publication elsewhere.

Submitted papers must be in English and should comply with the Springer LNCS format guidelines (see author instructions on www.springer.com/computer/lncs).

Submissions should be made electronically in PDF format via the IWEI 2015 conference system hosted by EasyChair (<https://easychair.org/conferences/?conf=iwei2015>). All submitted papers will be formally peer reviewed by at least three reviewers.

PUBLICATION

The working conference proceedings will be published by Springer in the Lecture Notes in Business Information Processing (LNBIP) series.

Authors of selected best papers will be invited to prepare a substantially revised and extended version of their papers for publication in a special issue of an International Journal.

BEST PAPER AWARD

A “Best Paper Award” will be conferred to the author(s) of one paper of exceptional merit for the goals of the conference. The selection by the award committee is based on the quality, originality and the contribution of the submission as well as the presentation of the paper during the conference.

WORKSHOP ORGANISATION

Organising Committee

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