

I-ESA'12

Call for Papers

INTEROPERABILITY FOR ENTERPRISE SYSTEMS AND APPLICATIONS
 "SHAPING ENTERPRISE INTEROPERABILITY IN FUTURE INTERNET"

Pre-conference March 20th-21st, 2012
Conference March 22nd-23rd, 2012
 VALENCIA (Spain)

Organised by the [Universitat Politècnica de València](#)
 on behalf [INTERVAL](#) (Spanish Pole of INTEROP-VLab)

and the [INTEROP-VLab](#) (European Virtual Laboratory for Enterprise Interoperability)



SCOPE

One of the trends in the global market is the increasing collaboration among enterprises. Constant changes in inter- and intra-organisational environment will increase in the future. Organisations have to flexibly and continuously react to (imminent) changes in markets and trading partners. In this context, the competitiveness of an enterprise depends not only on its internal performance to produce products and services but also on its ability to seamlessly interoperate with other enterprises. External and internal collaborative work needs more interoperable solutions. Enterprise Interoperability (EI) is the ability of an organisation to work with other organisations without special effort. The capability to interact and exchange information both internally and with external organisations (partners, suppliers, customers, citizens...) is a key issue in the economic and public sector. It is fundamental in order to produce goods and/or services quickly and at lower cost, while ensuring higher levels of quality, customisation, services and security. Industry's need for EI has been one of the significant drivers for research into the Internet of the Future. EI research will embrace and extend contributions from the Internet of Things and the Internet of Services, and will go on to drive the future needs for the Internet of People, Processes, and Knowledge. The industry will find at I-ESA'12 an outstanding opportunity to exchange experience and problems on business interoperability in their daily operations. The I-ESA conferences have been recognized as a tool to lead and generate an extensive research and industrial impact in the field of [Interoperability for Enterprise Systems and Applications](#). I-ESA brings together the world's leading researchers and practitioners in the area of enterprise interoperability, and it is a unique forum for the exchange of visions, ideas, research results and industrial experiences, dealing with a wealth of interoperability research subjects. I-ESA'12 is the 6th edition after Geneva (2005), Bordeaux (2006), Madeira (2007), Berlin (2008), Coventry (2010) and a special edition in China (2009).

TOPICS OF INTEREST

- **Business Interoperability**
 - Business interoperability requirements
 - Business Process interoperability
 - Knowledge management in networked enterprises
 - Legal issues for interoperability
 - Security issues in interoperability
 - The human factor in interoperability
- **Enterprise Modelling for Enterprise Interoperability**
 - Distributed Modelling
 - Meta-Modelling
 - Methods and Tools
 - Requirements engineering for interoperable enterprises
 - Service Modelling for Business
 - Synchronization of models
- **Semantics for Enterprise Interoperability**
 - Enterprise applications analysis and semantic elicitation
 - Reasoning methods and tools for model transformation and data reconciliation
 - Semantic mediation and enrichment of enterprise models
 - Semantic Web based approaches
- **Architectures and Frameworks for interoperability**
 - Agent based approaches to interoperability
 - Enterprise Application Integration
 - Model Driven Architectures
 - Service Oriented (Enterprise) Architecture
 - Ubiquity, mobility, open architectures and large scale interoperability
- **Future Internet and Enterprise Systems**
 - Future Internet and Enterprise Interoperability
 - Future Internet in Enterprise Collaboration and Virtual Organizations
 - Future Internet and Digital Ecosystems
 - Next generation and vision for FinES
- **Platforms for Enterprise Interoperability**
 - Intelligent infrastructure and automated methods for business system integration
 - Internet of Future
 - Interoperability of operational Systems – Aspects of Service Management
 - Non-functional aspects of interoperable solutions
 - Open platforms supporting collaborative businesses
- **Services for Enterprise Interoperability**
 - Utility and Value Added Services for Enterprise Interoperability
 - Micro-services, negotiation and federated Interoperability
 - Service-oriented Integrated Development Environments (IDE) for Enterprise Interoperability
 - Service Science Management and Engineering
 - Cloud Computing, everything as a Service (XaaS)
- **Enterprise Interoperability Science-based**
 - Concepts, theories, and principles for solving EI problems
 - Frameworks for the development of EI Science-based
 - Contribution for EI Science-based from neighbouring scientific domains
 - Proof of concept and assessment in EI Science-based
- **Standards for Interoperability**
 - Challenges in standardisation
 - Open Standards
 - Standardisation policies
 - Standards Organisations works on Enterprise Interoperability
- **Interoperability Scenarios and Case Studies**
 - How to reduce application gaps of new interoperability results
 - Initiatives and communities
 - New Interoperability Scenarios and derived requirements
 - Problem statements
 - Success stories and lessons learnt
- **Education on Enterprise Interoperability**
 - Business needs
 - Curricula on Enterprise Interoperability
 - Educational Methods
 - Vocational Training on Enterprise Interoperability

IMPORTANT DATES

- **Conference:**
 - Full paper submission deadline: **September 23rd, 2011**
 - Author notification due: November 15th, 2011
 - Camera-ready copies due: December 1st, 2011
 - Conference: March 22nd - 23rd, 2012
- **Workshops:**
 - Workshops proposals: **September 15th, 2011**
 - Acceptance notification due: September 30th, 2011
 - Workshops call for papers: October 15th, 2011
 - Workshops content publication: November 15th, 2011
 - Workshops: March 20th - 21st, 2012
- **Doctoral Symposium:**
 - Paper submission deadline: **October 21st, 2011**
 - Author notification due: November 25th, 2011
 - Doctoral Symposium: March 20th, 2012

CONFERENCE

I-ESA'12 Conference welcomes submissions of scientific papers directly connected with the Conference Topics but also industrial papers demonstrating relevant case studies and implementation of EI and FinES (Future Internet Enterprise Systems).

A package with formatting instructions for full papers (10 pages length) and an MSWord template can be downloaded from "Paper submission" as [I-ESA12Template](#) at [www.i-esa.org](#)

At least three members of the International Programme Committee will review each submission. The ISPC will recommend about the papers acceptations and the Programme Committee Chairs will make final decisions. The accepted papers will be included in the Conference proceedings published by Springer in the book series "Enterprise Interoperability" (see Vol. I, Vol. II, Vol. III, Vol. IV) at the condition that the paper is presented by one author during the conference. Extended versions of selected papers from the conference will be published in a special issue of "Computers in Industry" Elsevier Journal.

WORKSHOPS

I-ESA'12 Conference invites proposals for workshops to be held in conjunction with the main conference. The workshop proposal topics are opened to other areas not covered by the main conference topics. Workshops aim to be a forum to discuss advanced research an innovative solutions of EI and FinES in areas such as Enterprise 2.0, e-Government, e-Health, Innovation support for Networked SMEs, Crisis Management, Transport & Logistics, Energy/Resources for Sustainability, Internet of Things for Energy/Resources monitoring. Workshops may also be devoted to EI case studies, solutions for industrial sectors, original and successful implementation, standardization issues or road mapping activity.

More information about the call for Workshops at [www.i-esa.org](#)

DOCTORAL SYMPOSIUM

The Doctoral Symposium is an opportunity for students involved in the preparation of their PhD in any area of EI to interactively discuss their research issues with senior researchers.

More information on the Doctoral Symposium at [www.i-esa.org](#)

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