



Call for Papers Second International Conference I-ESA 2006

Interoperability for Enterprise Software and Applications

Cité Mondiale, 18 Parvis des Chartrons. Bordeaux, France,

Pre-conference March 20th - 21st, 2006. Conference March 22nd - 24th, 2006

Organised by INTEROP NoE (IST-508011) www.interop-noe.org and ATHENA IP (IST-507849) www.athena-ip.org and co-sponsored by IFIP and IFAC

Scope

The interoperability in enterprise applications can be defined as the ability of a system or a product to work with other systems or products without special effort from the customer or user. The possibility to interact and exchange information internally and with external organisations is a key issue in the enterprise sector. It is fundamental in order to produce goods and services quickly, at lower cost, while maintaining higher levels of quality and customisation. Interoperability is considered to be achieved if the interaction can, at least, take place at the three levels: data, applications and business enterprise through the architecture of the enterprise model and taking into account the semantics. It is not only a problem of software and IT technologies. It implies support of communication and transactions between different organisations that must be based on shared business references.

Organized and supported by the European Network of Excellence INTEROP "Interoperability Research for Networked Enterprises Applications and Software (IST-508011, www.interop-noe.org) and the Integrated Project ATHENA "Advanced Technologies for Interoperability of Heterogeneous Enterprise Networks and their Application (IST-507849, www.athena-ip.org), I-ESA brings together the world's leading researchers and practitioners in the area of enterprise interoperability, dealing with a wealth of different issues of Interoperability for Enterprise Applications and Software.

The conference will focus on interoperability related research areas ranging from Enterprise Modelling to define interoperability requirements, over Architecture and Platforms to provide implementation frameworks to Ontologies to define interoperability semantics in the enterprise.

I-ESA is the successor and builds on the success of the INTEROP-ESA conference 2005, held in Geneva on February 2005.

Topics

Papers are invited in the areas of interoperability, presenting original work and not previously published from professionals and academics. Topics for the conference include, but are not limited to:

- ✓ Enterprise and networked enterprises Modelling Methods, Tools and frameworks
- ✓ Manufacturing systems applications interoperability
- ✓ Management of Distributed Enterprise Models
- ✓ Standards for enterprise integration and interoperability
- ✓ Support for Co-operative Work
- ✓ Model Driven Architectures
- ✓ Interoperability of autonomous systems
- ✓ Interoperable Inter-enterprise Workflow Systems

- ✓ Case studies of systems' interoperability
- ✓ Enterprise-Control Systems integration and interoperability
- ✓ Methods, Models, and Tools for intra and inter-organizations interoperability
- ✓ Requirements Engineering for Interoperable Enterprise ontologies
- ✓ Synchronisation and Interoperability of Distributed Enterprise Models and Modelling
- ✓ Enterprise Applications Analysis and semantic elicitation
- ✓ Architectures and platforms for interoperability
- ✓ Ubiquity, Mobility, Open Architectures and large scale interoperability
- ✓ Experiments and case studies relevant to the theme of the conference
- ✓ Service oriented Architectures
- ✓ Interoperability of Digital Rights Management Systems
- ✓ Business models for interoperable products and services
- ✓ Ontology-based semantic annotations and meta-data for models and data interoperability
- ✓ Reasoning methods and tools for model transformation and data reconciliation

Workshop, Tutorials & Invited Sessions

The conference organises a pre-conference program on March 20th - 21st, 2006 with workshops and tutorials.

The I-ESA'2006 conference encourages the submission of invited sessions with sets of six invited papers on well-defined subjects of current interest belonging to the scope of the conference.

An invited session will be accepted only if the session and its 6 papers are accepted. Accepted papers of a non-accepted invited session will be transferred into regular sessions.

Organizers of tutorials and workshops, which will be organized in conjunction with the conference as a pre-Congress program, are encouraged to submit their proposals which will be reviewed by the conference IPC.

Proposals for workshops, tutorials or invited sessions shall be done through the conference web site <http://www.i-esa.org>

Doctoral Symposium

Doctoral students interested to participate in the Doctoral Symposium are requested to submit an extended abstract of 5 pages or a full paper no longer than 10 pages in the Springer-Verlag LNCS format (<http://www.springer.de/comp/lncs/authors.html>), together with a supporting letter from their PhD supervisor to the Doctoral Symposium chair. Please send it to program@i-esa.org

Co-sponsored by:



Information for Authors

Submissions must be no longer than 12 pages in length and should follow the Springer Verlag LNCS format (see <http://www.springer.de/comp/lncs/authors.html> or instructions). Authors are requested to submit their manuscripts electronically in PDF format using the paper submission tool available at the conference site <http://www.i-esa.org>

The conference proceedings will be published after the conference (and will be sent by post to the registered participants). Papers will be included in the proceedings only if they are presented by one of the authors at the I-ESA 2006 conference. Selected papers will be submitted for special issues of International Scientific Journals.

For more information please visit our web [site http://www.i-esa.org](http://www.i-esa.org) or send a message to: program@i-esa.org

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Important Deadlines

Papers

Papers due:	December 30 th , 2005
Acceptance notification:	January 25 th , 2006
Conference:	March 22 nd - 24 th , 2006
Final papers due:	April 15 th , 2006

Doctoral Symposium

Papers and letters due:	January 16 th , 2006
Acceptance notification:	January 31 st , 2006
Doctoral Symposium:	March 20 th , 2006

Workshops, Tutorials & Invited Sessions

Workshop proposals due:	October 30 th , 2005
Acceptance of workshops:	November 10 th , 2005
Workshops:	March 20 th - 21 st , 2006
Tutorial Proposals due:	December 7 th , 2005
Acceptance of Tutorials:	December 10 th , 2005
Tutorials:	March 20 th - 21 st , 2006
Invited Session Proposals due:	November 15 th , 2005
Acceptance of Invited Sessions:	January 9 th , 2006
Invited Sessions:	March 22 nd - 24 th , 2006

Registration

Early registration deadline: February 20th, 2006

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