



## **CIMOSA - News**

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The CIMOSA - News is published by the CIMOSA Association. The CIMOSA News reports on CIMOSA applications, evolution of its technical specification, advancements in standardisation and related items. Contributions from other parties are welcome. The CIMOSA - News will be printed periodically and is also available in the Internet at <http://www.cimosa.de>.

### **INTEROP (IST-2003-508011)**

The I-ESA 2006 conference has been held in Bordeaux, 2006-03-22/24. The conference was organised by two of the European interoperability cluster projects – INTEROP and ATHENA and held jointly with the eGovernment conference of the eGov project. A total of 76 papers together with 6 keynote papers have been presented during the I-ESA conference in plenary and parallel sessions, the latter including well-organised poster sessions.

Starting with a view on the changing context of enterprise interoperability research by G. Santucci, Head of the Unit 'ICT for Enterprise Networking' at the DG 'Information Society and Media' of the European Commission, the keynote sessions continued with 4 papers presenting the view of industrial users (Verizon, Siemens) and software providers (Microsoft, SAP). Two papers presented by INTEROP and ATHENA on their efforts on community building - Virtual Lab and Enterprise Interoperability Centre, respectively - completed the keynote sessions.

The emphasis of the research papers was on the main areas of the INTEROP and ATHENA projects: Enterprise Modelling, Ontologies and Platforms. Papers on standardisation and trust complemented the research on interoperability efforts. A short summary of all papers is provided on the CIMOSA Web site [www.cimosa.de/](http://www.cimosa.de/) following in the same sequence as above, but introducing a few sub-headings to structure the papers according to their main content. Conference proceedings will be published by Springer-Verlag.

A pre-conference program with a doctoral symposium, two tutorials and five workshops complemented the I-ESA 2006 Conference. Three of these, workshops are mentioned in particular:

i) workshop on *Enterprise Interoperability Roadmap* with focus on research in the 7th Framework Programme, organised by the European Commission, DG INFSO D5 . This workshop is part of an ongoing activity to define future

research priorities and to discuss those with all stakeholders involved and with representatives of the project cluster. The latter have drafted a version of the roadmap to which written contributions are strongly encouraged. The present draft document can be downloaded from the CORDIS site at

[ftp://ftp.cordis.lu/pub/ist/docs/directorate\\_d/ebusiness/20060315\\_roadmap\\_v20.pdf](ftp://ftp.cordis.lu/pub/ist/docs/directorate_d/ebusiness/20060315_roadmap_v20.pdf)

ii) workshop on *Interoperability Challenges for SMEs* with the objective to expand the understanding on, needs, solutions and benefits of business interoperability. The workshop was addressing data exchange experience and problems facing SMEs in the daily operation as well as involving the research community and make their efforts appropriate to SME's business needs. The workshop started with a cross sector field survey on eBusiness interoperability and standards. Further, the problems being experienced and faced by SMEs were presented by SME representatives and by regional and national SMEs organizations from 5 countries. The current understanding based on the work of the European projects INTEROP, ATHENA and ECOLEAD as well as the view of an automation provider was presented. It was concluded that there are differences in time frames and in complexity of products and service life cycles of SMEs as for instance between the Automotive/Aerospace sector and the Textile sector and that national intermediaries representing sectors in countries can best support the individual SME.

iii) 2<sup>nd</sup> International Workshop on *Enterprise Integration, Interoperability and Networking* (EI2N'2006) with four sessions and a total of 6 papers finalizing in a workshop café with a number of working groups addressing different sub-topics of the workshop theme. The papers covered modelling languages (UEML), ontologies, an interoperability framework and design principles. Proceedings of the workshop will be published in specific workshop proceedings by Springer-Verlag as well.

Workshop reports and presentations will be available at the I-ESA conference site [www.i-esa.org/](http://www.i-esa.org/).

## Reports from Events

**Intellectual Capital Measurement (ICM)** – a BITKOM Workshop held in Frankfurt, Germany 2005-11-10. The agenda consisted of three papers and 2 video presentations on user experiences with the implementation of ICM systems, which are the result of a project ‘Wissensbilanz – made in Germany’ sponsored by the German Ministry of Economy and Work (BMWA). This ongoing project has developed a process oriented reference model for building ICM systems implemented in the MO<sup>2</sup>GO tool with the IEM methodology. The corresponding particular model is using operational data and other management and performance indicators. The reference model has been validated in 14 SMEs in Germany - resulting in an Intellectual Capital Report which is meant to complement other management tools such as Capital Asset Statement, Balanced Scorecard, Quality Management, etc.

The presentations from SME users, e.g. a Documentation Service Provider *Reinisch*, from an Automotive Software Developer *Xcc*, showed that the process model could be successfully applied. Three workshops moderated by expert consultants provided user training enabling those to employ and maintain the methodology. Main benefits are a better transparency of the Intellectual Capital (IC) and derived business opportunities, including for instance improved bank loan conditions. A presentation from the Corporate KM office of Siemens showed in addition to the basic reference model further tools of a control panel to display Relational Human Capital and a portfolio diagram to validate the importance of current and future projects.

The final discussion centred on the topics of advantages and limitation of ICM, monetary value of Intellectual Capital and standardisation aspects. The benefits are in place as long as an enterprise can draw business value from this management tool. This is more probable for knowledge intensive enterprises.

## EE&I Standardisation

**CEN TC 310 WG 1 Modelling and Architectures** held a meeting in Paris, France, 2006-03-14/16 with its main objective to resolve the comments from the DIS ballot of CEN ISO 19440, constructs on enterprise modelling. The meeting was attended by participants from France, Germany and UK. The ballot itself improved the standard with a 12 to one vote. The results of the meeting will be presented at the next ISO meeting

(see below) for final acceptance. Next CEN meeting to be held in Paris again on 2006-09-25/27 alternatively as part of the one after next SC5/WG1 meeting in Paris on 2006-10-04/06.

**ISO TC 184 SC5/WG1 Modelling and Architectures** will have its next meeting in Monterrey/Mexico, 2006-05-22/24. Agenda items are the new work item on process modelling methods, comments from CEN ISO 19440, systematic review of ISO 15704 and a potential CEN ISO new work item proposal (NWIP) on interoperability.

## Upcoming Events

- 12th IFAC Symposium on Information Control Problems in Manufacturing INCOM’2006, St. Etienne, France, 2006-05-17/19, <http://www.emse.fr/incom06>
- CAiSE’06, 18th Conference on Advanced Information Systems Engineering Trusted Information Systems, Luxembourg, 2006-06-05/09, <http://www.tudor.lu/caise06>; jointly with INTEROP WS on Enterprise Modelling and Ontologies for Interoperability
- 11th EURAS Workshop on ‘Standardisation and Network Effects – New Challenges to European Policy’ Hamburg, Germany, 2006-06-08/09, <http://www.EURAS.org>
- 12<sup>th</sup> Intern. Conference on Concurrent Engineering ICE 2006, Milan, Italy 2006-06-26/28, <http://www.ice-conference.org/>
- 13th ISPE Intern. Conf. On Concurrent Eng.: Antibes, French Riviera, 2006-09-18/22 September, 2006, <http://www.ce2006.org>
- BPM’2006, 4th International Conference on Business Process Modelling, Vienna, Austria, 2006-09-xx, <http://bpm2006.tuwien.ac.at/cfw/>; jointly with ENEI 2006, 2<sup>nd</sup> International Workshop on Enterprise and Networked Enterprises Interoperability
- PRO-VE’06, 7th IFIP Working Conference on Virtual Enterprises, Helsinki, Finland, 2006-09-25/27, <http://www.pro-ve.org>
- Workshop on Trends in Enterprise Architecture Research (TEAR 2006), Hong Kong, 2006-10-16, <http://tear2006.telin.nl/>
- e-Challenges 2006, 16<sup>th</sup> EU annual conference Barcelona, Spain, 2006-10-25/27, <http://www.echallenges.org/e2006/>

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The CIMOSA Association (COA) is a non-profit organisation involved in promotion and European and international standardisation of Enterprise Engineering and Integration.