



CIMOSA - News

Editor: Martin Zelm, Gehlenbuehlstr. 18A, D-70499 Stuttgart, martin.zelm@cimosa.de

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-VLab

The **I-ESA'09 Conference on Enterprise Software and Applications** was held in Beijing 2009-04-20/22. The programme covered the following interoperability fields: General concepts, problems and support, enterprise modelling, application domains and software development. A total of 54 papers have been presented with 5 invited keynotes and 49 papers held in 6 tracks. The content of the tracks was focusing on topics of Business and cross organizational/sectorial collaboration, Architectures, Frameworks and roadmaps for Enterprise Interoperability (EI), Design and execution of interoperable services, Semantics for EI, Specification and implementation of enterprise modelling in EI platforms

In addition, five workshops were organized by different groups addressing the themes: Enterprise Interoperability for SMEs, Roadmap of Enterprise Interoperability, Interoperability for Public Administration and e-Invoicing, Common Standards or Divided Markets in ICT: the EU and China and Collaboration for Interoperable Systems.

The content of the papers has been summarized in a report by K. Kosanke and can be found at the websites of I-VLab (www.interop-vlab.eu) and CIMOSA (www.cimosa.de). The full proceedings of the I-ESA'2009 Conference titled '*Interoperability for enterprise software and applications, China*' have been published by Conference Publishing Services, ISBN 978-0-7695-3652-1.

An **industry workshop** titled '*Improving productivity in the marketing and product development process via interoperability*' was held at the university Konstanz, Germany, on 2009-04-02 organised jointly by the University and DFI (Deutsches Forum fuer Interoperabilitaet). The workshop was attended by people coming from different areas: SME end users, IT developers, business consultants and universities active in interoperability research.

The goal of the workshop was to bridge the gap between research and industry in the area of interoperation in marketing and product development as well as to obtain a common understanding of the challenges and benefits of interoperation. The focus was on creation of variants in product design via configurators, networked marketing processes, systems for collaborating SMEs. a special topic were innovative products and services using the semantic Web. For further information contact Prof. G. Baltes, gbaltes@htwg-konstanz.de

A three day conference held by the **Xinnovations Initiative**, a non for profit organisation at the Humboldt University was held in Berlin on 2009-09-14/16. The initiative has the goal to bring together researchers and decision makers in upcoming technologies and economical/social sciences. Workshops and forums on innovations in socio-economic developments focused on subjects like e-Manufacturing & Supply, e-Marketing, e-Strategy, e-Government, the Semantic Web and others. DFI made two presentations, one on Interoperability as a driver for innovations, the other one on standards for interoperability. More information can be found at www.xinnovations.de.

EFFORTS

The European FP6 project EFFORTS has started a demonstration phase during its final period. The first demonstration focused on the methodology of process modelling and interoperability solution of the port operation. A dissemination event – one of several more to come - was held during 2009-06-24/25 at Thessaloniki Port Authority with 35 participants from 10 countries.

A highlight of the event was the presentation on the EFFORTS methodology and ICT roadmap for interoperability solution based on the CIMOSA approach. The linkage between process model and the ICT specification model has been elaborated in detail. The discussion re-

vealed the potentials of a process-oriented approach in the port and maritime industry. Many application areas such as risk management, training and education, ICT application, strategic planning, etc. were identified as crucial issues to be addressed by the approach. For more information contact Panthian. Zuesongdham (zuesongdham@tu-harburg.de) or under www.efforts-project.org

EE&I Standardisation

ISO/TC184 SC 5/ WG 9 has accepted a New Work Item - *ISO/WD 22400, "Key performance indicators for manufacturing operations management - Part 2: Definitions and descriptions"*. Presently, the graphical representation in a conceptual schema of the main components processes, resources and KPIs with their relationships is discussed. Next meeting Frankfurt VDMA, 2009-10-14. For additional information contact Robert Patzke (robert.patzke@mfp-online.de)

ISO TC184 SC5/WG1 meeting Paris, 2009-04-27/29. Following a short report on past promotion activities like WG1 brochure, presentation of TC 184 efforts (big picture), presentation of ISO 15704 and ISO/IEC 42010 in a meeting on architecture with the US-DOD, and a discussions on the SC5 glossary maintenance the meeting focussed on the current work items of the working group.

CEN/ISO/DIS 11354-1 - *Framework for Enterprise Interoperability*. Comments from the ISO editor have been resolved and the resulting document forwarded to the CEN WG1 editor D. Shorter, UK for final editing.

CEN TC310/WG1 CEN/ISO/CD 11354-2 - *Requirements for ICT-enabled interoperability*. Discussion of the proposal has lead to considerable rework of the original document.

ISO 14258 - *Concepts and rules for enterprise models*, Review of systematic review ballot. No further action needed. Relevant content will be included in ISO 15704 revision.

ISO/NP+CD 27387-1 - *System Integration Using Process Modeling Methods - Part 1: Characterizing Process Modeling Common Concepts*. Discussion of ballot results, but no further action without the project leader Li Quing, China (did not attend).

Harmonisation of **ISO/IEC JTC 1 42010** - *Architecture description* and **ISO TC 184 SC5 15704** - *Requirements for enterprise-reference architectures and methodologies*. Has not resolved the

concerns about the use of the terms viewpoint, view and model.

ISO/NP+CD 15704 - *Requirements for enterprise-reference architectures and methodologies*. Review of ballot comments has been started, but could not be completed due to time constrains.

The next WG1 meeting will be held jointly with the third ICEIMT'09 workshop in Bled, Slovenia, 2009-12-15/17

IEC/ISO JWG5 and SP95. The following parts of IEC/ISO 62264 have been revised: in the preceding ISA95 standard: Part1 *Models and Terminology*, Part2 *Objects and attributes for enterprise control system integration* and Part4 *Objects and attributes for manufacturing operations management integration*. A major discussion is ongoing on how to align ISA95 models to the industry standard B2MML (Business to Manufacturing Markup Language), which defines objects and attributes of schemas for integrating manufacturing operations. Further subjects to revision are the alignment of terminology, focus on more generic models – not limited to manufacturing – as well as a common representation of the exchanged information. ISO 62264-5 DIS *Business to manufacturing transactions* is under ballot in ISO.

Upcoming Events

- Symposium *Seaport Innovations and Requirements*, 2009-10-28, Hamburg, <http://www.seaport-innovation.org>
- EI2N'2009, 4th IFAC/IFIP International Workshop on Enterprise Integration, Interoperability and Networking, with 2nd ICEIMT'09 Pre-Workshop, Vilamoura, Portugal, 2009-11-03/04, www.tc.ifac-control.org/
- 3rd workshop of ICEIMT'10 (Intern. Conference on Enterprise Integration and Modelling Technology), Bled, Slovenia, 2009-12-14/16, P.Bernus@griffith.edu.au
- I-ESA'10, (Conference on Enterprise Software and Applications – *Making the Internet of the Future for the Future of Enterprise*), Coventry, UK, 2010-04-13/15, www.i-esa.org

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