



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-VLab

The INTEROP-VLab has grown to eight poles, with the Italian Pole and the North Pole (Finland, Norway and Sweden) as new partners, enlarging the VLab to an organisation with more than 300 interoperability researchers in 70 organisations. At the 2nd General Assembly held on 2008-05-15 in Brussels, the following major achievements were presented:

- VLab is recognised as the Single Entry point of State of the Art for Enterprise Interoperability. All public deliverables developed in the FP6 and FP7 projects related to Enterprise Interoperability provided by the European commission are accessible via the INTEROP-VLab platform ,
 - the Research Agenda of the INTEROP-VLab scientific group has been introduced into the EI roadmap of the European Commission,
 - the INTEROP-VLab services including the knowledge map as the dynamic interoperability Asset of INTEROP-VLab to facilitate finding of world wide Interoperability Experts, Interoperability approaches and artefacts as well as all related documents in an integrated environment.
- More details can be found in the Newsletter #3 on the VLab portal (<http://www.interop-vlab.eu>).

I-ESA'08

The 4th International Conference on Interoperability for Enterprise Software and Applications was held at Fraunhofer IPK in Berlin, Germany, on 2008-03-25/28. Organised in 3 parallel sessions and with 8 workshops, the I-ESA'08 conference brought together 180 experts in Enterprise Interoperability and e-Business research with industry users, presenting to the audience the forefront of interoperability research as well as industry positions and viewpoints in this domain. I-ESA'2008 was jointly organized by the INTEROP-VLab and the EIC (Enterprise Interoperability Centre) the follow-on of the ATHENA project. A summary of all presented

papers, organised in a table of contents is available at the VLab portal

One of the 8 workshops held in conjunction with the I-ESA'08 Conference was on 'Standards for Interoperability – How?' with the goal to increase awareness and understanding of standards for enterprise interoperation. Starting with 2 overview papers on the INTEROP-VLab, (M. Zelm) and on standards supporting interoperation (K. Kosanke, R. Martin) the remaining papers addressed particular standardisation projects. CEN/ISO 11354 "Framework for Manufacturing Process Interoperability" (D. Chen, D. Shorter), "Implementation of ISO-10303 Standards in SME-based Environments" (M. Delgado et al), "Interoperability Issues in Virtual Product Creation" in CAD/CAM/PDM/ERP-STEP-based applications (U. Kaufmann). OMG-SOA "UML Profile and Metamodel for Services (UPMS)" (A. Berne).

In the discussion, a number of requirements which VLab will need to address were identified:

- Economical Aspects: Cost model for interoperation, ROI of standards,
- Dissemination: Material in condensed form for standards promotion in industry.
- Education: Enhancing the available education material on interoperability standards.

Workshop papers and the related presentations are available at www.interop@vlab.eu.

EFFORTS

The European project EFFORTS continues its work on a generic enterprise modelling methodology that can cope with the complexity of seaport management issues in a systematic way. A set of simple, practical and well understood terms and a list of generic hazard categories, risk methodologies and tools, best practices, scenarios, as well as classes of port actors, each associated with a probability of occurrence and mapped on the generic port processes have been provided. Further details can be found in the project newsletters at www.efforts-project.org.

EE&I Standardisation

CEN TC 310/WG1 meeting, Berlin, 2008-03-24/25, on CEN/ISO 11354 *Requirements for establishing manufacturing enterprise inter-operability—Part 1: Framework for enterprise inter-operability*. The two inputs: WD V3 and the issues list have been reviewed and the first version of the Committee Draft (CD) has been generated and will be distributed for comments in both the CEN and ISO working group. These comments will be reviewed in the forthcoming ISO TC 184 SC5/WG1 meeting. Next Meeting: Provisional 2008-09. Location tbd.

ISO TC 184 SC5/WG1 meeting, Berlin, 2008-05-19/22, major results and conclusions:

Harmonisation of ISO 42010 and ISO 15704, a joint meeting, with JTC1/SC7/WG42 centred on the terms Stakeholder (identification of the concerns to be captured by the architecture) and Viewpoint (defining rules and guidelines for model views). For both concepts common definitions have been elaborated. Both will be introduced in the new version of ISO 15704 making it conforming to ISO 42010 the SC7 Architecture Description standard.

SC5 Vocabulary: additional feedback has been received from SC5 workgroup editors as well as some comments on the consolidated version. The latest version has been briefly discussed. It will be updated by K. Kosanke, with the meeting results and submitted to SC5 for publication.

ISO 15704 systematic review: the draft document based on inputs from members and consolidated by R. Martin has been reviewed and the updated version will be distributed to all members for further comments. The intention is to produce a CD at the next mtg.

ISO 27387 system integration using process modeling methods consistent with a reference methodolog: parts 1, 2 and 3 have been presented by the editor and discussed.

CEN/ISO 11354 Requirements for establishing manufacturing enterprise interoperability – Part 1 Framework for enterprise interoperability: The draft document created at the CEN TC 310/WG1 meeting in Berlin, 2008-03-24/25 has been reviewed by members and consolidated The CD will be submitted to BSI for ballot in both CEN and ISO.

IEC/ISO JWG5. was mainly concerned during the last months finishing the development of IEC 62264-5 *Business to Manufacturing Transactions* as well as working on the SP95 Parts 1 & 2 updates and revised inputs to Part 2 and Part 4.

These four parts of ISA SP95 preceding IEC 62264 are being restructured for better consistency. A roadmap outlines the association between the ISA SP95 committee and IEC JWG5 and the planned updates to Part 1, 2, 3, and 5. Further, IEC and ISO subcommittees both agree to exchange information with ISO TC184 SC5. Another discussion is focusing on a more generic resource model.

DKE 931.0.2 the German mirror committee to IEC/ISO JWG5 has published a brochure to disseminate knowledge about the 62264 standard 'Enterprise Control System Hierarchy' (in German), it can be downloaded free of charge from <http://www.dke.de>.

Upcoming Events

- EMMSAD'08, 13th Workshop on Exploring Modelling Methods in Systems Analysis and Design Montpellier, France, 2008-06-16/17, held in conjunction with CAiSE'08, <http://www.emmsad.org>
- 13th EURAS Workshop on Standardisation 2008-06-16/18, Skoevde, Sweden, www.EURAS.org
- BASYS 08, 8th IFIP International Conference on Information Technology for Balanced Automation Systems, together with the final workshop of the ECOLEAS project, Porto, Portugal, 2008-06-23/25, contact: Prof. Americo Azevedo ala@fe.up.pt
- ICE'2008, 14th International Conference on Concurrent Engineering, Lisbon, Portugal, 2008-06-23/25, <http://www.ice-conference.org/>
- IFAC'08 World Congress Seoul, Korea, 2008-07-6/11 with invited sessions on: Semantic-Based Solutions for Enterprise Integration and Networking, and Internet of Services, (<http://www.ifac2008.org>).
- 1st International Workshop on Enterprise Interoperability - IWEI 2008 (part of the 12th IEEE International Conference EDOC 2008, 2008-09-18, Munich <http://www.ics.kth.se/iwei>)
- 3rd International Workshop on Enterprise Integration, Interoperability and Networking (EI2N'08) Monterrey, Mexico, 2008-11-12/13, <http://www.cs.rmit.edu.au/fedconf>

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