



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 on its website www.interop-vlab.eu/ is hosting the official repository of public deliverables in the Enterprise Interoperability domain, produced by European research projects ATHENA, INTEROP and others carried out under the 5th, 6th and 7th Framework Programme of the European Commission (DG INFSO unit DG Industry). The public deliverables can be searched via the Knowledge Map (KMap) program developed in the INTEROP project.

A current activity is the launching of EU projects to obtain funding for common R&D work in I-Vlab. The FP7 UNITE project - *Upgrading ICT Excellence by strengthening cooperation between research teams in an enlarged Europe* - has started with I-VLab as a partner. The UNITE project is also organising secondment activities based on an [offer/demand matrix](#), that identifies the potential host organization's knowledge needs???, with the expertise they can provide to others. The matrix serves as a guide for candidates to find adequate institutions to provide the required knowledge and expertise. Contact the [UNITE Virtual Front Office](#). The call is permanently open.

In addition, several regional, application oriented projects with participation of local poles as well as dissemination events are underway.

Reports from Events

I-ESA'2010, (Conference on Enterprise Software and Applications – *Making the Internet of the Future for the Future of Enterprise*), was held on 2010-04-20/22, at the University of Coventry/UK. The conference with 43 papers was addressing the topics: Business Interoperability, Enterprise Modelling for Enterprise Interoperability, Semantics for Enterprise Interoperability, Architectures and Frameworks for Interoperability, Platforms for Enterprise Interoperability, Interoperability Scenarios and Case Studies, Standards for Interoperability. Conference proceedings have been published by [Conference Publishing Services, ISBN 978-0-7695-3652-1](#). A summary of the I-ESA 2010 conference papers has been written by Kurt Kosanke and can be found at www.cimosa.de.

A workshop titled 'Standards – a foundation for Interoperability' was held as part of the I-ESA'2010 with six papers. (1) M. Zelm / K. Kosanke provided an overview of EI standards and propose a content oriented layered hierarchy, with 3 categories: i) standards to guide standards development, ii) standards to guide product developments and standards implemented in products. (2) D. Chen reported on an ongoing standardisation initiative jointly carried out by CEN TC310/WG1 and ISO TC184 SC5/WG1 to define and standardize a Framework and a Maturity Model for Enterprise Interoperability. (3) N. Ivezic/ J. Woo presented a general test framework to enhance a test bed development and enable reuse of existing testing components and materials. (4) B. Elvesaeter / A. Berre presented an overview of the latest OMG modelling standard initiatives with respect to enterprise architecture. (5) P de Sabbata et al reported on the standardisation experience of the SME dominated Textile, Clothing and Footwear industry. (6) T. Mc Grath presented the PEPPOL initiative to align and standardise business processes across Government Agencies. The workshop proceedings have been published by ISTE / Wiley, ISBN 978-1-84821-270-1

The PLM 10, the seventh International Conference on Product Lifecycle Management was held at the University Bremen / BIBA, Germany on 2010-07-12/14. (www.plm10.org/) The conference was focusing on applied research and development of PLM products and services. About 70 papers were presented in 17 sessions organised in two parallel streams. The goal of the conference was to position Product Life-

cycle Management (PLM) as an integrated business approach for the collaborative creation, management and dissemination of engineering data throughout extended enterprises.. PLM involves people, processes, business systems, and information. It presents major opportunities for those involved in the processes and tools used in all aspects of the product lifecycle.

The papers addressed PLM relating to topics as Product data management, Collaborative product development, Change Management, Asset Management, Knowledge management, system integration and interoperability. Also addressed were industrial applications, PLM in practice, as for instance in the Automotive Industry

Two sessions with seven papers addressed enterprise interoperability, with an introduction of the I-VLab (Interoperability Virtual Laboratory) and the German Pole DFI (Deutsches Forum fuer Interoperabilitaet).

EE&I Standardisation

An effort to advance the harmonisation of enterprise modelling ISO standards, **comparing CEN/ISO 19440 and ISO/IEC 62246** based on the terminology of the employed constructs has been started. To capture the latest version of 62264, the preceding ISA- 95.00.01 and 02 have been chosen for the comparison. From the overall viewpoint, 62264 is a description of the manufacturing operation management, providing detail descriptions of an enterprise, whereas 19440 is a language to enable the presentation of such a description in a common way. Several 62264 constructs can be defined as specializations of 19440 constructs. A discussion among interested experts is ongoing.

CEN TC310/WG1 meeting Paris, France, 2010-05-06. Discussions together with the French standardisation representative on the consequences of the ISO/CEN Vienna agreement for joint projects lead to a recommendations to avoid translations into national languages for international standards produced by WG1, unless there are particular reasons to do so. The proposal has been submitted to CEN TC 310 for consideration.

Comments received on the CEN/ISO 11354-1 document have been resolved and a final document will be submitted to BSI, the TC 310 secretariat. Work on parts 2 and 3 will continue via e-mail exchange of additions and comments.

The CEN/TS (Technical Specification) 14818:2004, Decisional Model, currently annex to ISO 15704 should be reconfirmed as a TS until the outstanding revision of 15704 is accepted.

ISO/TC184 SC 5/ WG 9 - ISO/CD 22400, “Key performance indicators for manufacturing operations management - Part 2: Definitions and descriptions”. The NAM Group NA 060-30-03-03 held three work meetings, to consolidate the MES KPIs as well as to finalize illustrative examples of KPI applications. Further, to agree on a common description schema and graphical representation, next meeting 2011-01-13. On ISO level, both part1 and part 2 of the proposal have passed the ballot as Committee Draft (CD) For additional information, contact Robert Patzke (robert.patzke@mfp-online.de)

IEC/ISO JWG5 and ISA-SP95. Revisions in the preceding ISA95 standard: Part1 *Models and Terminology* continue, many on inconsistencies of terminology. Part2 *Objects and attributes* is undergoing modification of objects and their relations. Overall, a number of clauses have been classified informative e.g. not part of the standard. Both parts will be finished for release to CDV ballot before the next JWG5 meeting in France, June 2011.

Upcoming Events

- IWEI 2011, International IFIP Working Conference on Enterprise Interoperability, Stockholm, Sweden, 2011-03-23-24, <http://www.ics.kth.se/iwei/>
- ViNOrg 11 - 1st International Conference on Virtual and Networked Organizations Emergent Technologies and Tools, Ofir, Portugal, 2011-07-06/08; <http://www.2100projects.org/vinorg11>
- IFAC 2011, 18th World Congress, Milano, Italy, 2011-08-28/09-2, <http://www.ifac2011.org/> together with invited session on Next Generation Networked Enterprise Models and Toolkits
- SIIT2011, 7th Intern. Conf. On Standardisation and Innovation in Information Technology, Berlin, Germany, 2011-09-28/30, <http://www.siit2011.org/>

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