

IFAC TECHNICAL COMMITTEE (TC) ANNUAL REPORT

(Please Submit to Your CC Chair with Copy to IFAC Secretariat)

1. Report Date: 15/04/2010
2. TC Name: Enterprise Integration and Networking
TC Number (e.g. 2.1) : 5.3
3. TC Chair Name: Hervé PANETTO
E-Mail : Herve.Panetto@cran.uhp-nancy.fr

4. TC Vice Chair Name(s) and E-Mail Addresses (Please include all Vice Chairs):

TC Vice Chair Name

E-Mail

Lawrence WHITMAN

Larry.Whitman@wichita.edu

5. Number of TC Members

33

6. List of Working Groups:

Working Group Name	Name of Chair	E-Mail Address
Unified Enterprise Modelling Language (UEML) for Applications interoperability	Giuseppe Berio	giuseppe.Berio@univ-ubs.fr
Focus	Advance the technology frontiers of Enterprise Modelling (EM) and establish a common modelling language (the UEML) to enable enterprise model exchanges and interoperability between proprietary tools supporting different languages and enterprise applications using enterprise models. Reach a common knowledge about ontology for enterprise integration in order better formalise the semantics of models exchange at the business and the manufacturing levels of the enterprise.	
Working Group Name	Name of Chair	E-Mail Address
Enterprise architecture and reference models	David Chen	david.chen@laps.ims-bordeaux.fr
Focus	State-of-the-art on enterprise reference architectures and models, comparison studies, harmonisation and integration of existing reference architectures and models through standardisation	
Working Group Name	Name of Chair	E-Mail Address
Verification and Validation of Enterprise Models	Vincent Charpulat	vincent.chapurlat@ema.fr
Focus	Modelling concepts for Verification, Validation & Assessment of Enterprise Models to capture needs (user's confidence, interoperability - functional, structural, operational -, requirements verification), describe formal and semantic models, and define tools using architecture description languages to simulate, evaluate and test models.	

7. Date of Last TC Meeting	4/11/2009
Location of Last TC Meeting	Vilamoura (Portugal) at EI2N'2009

8. Information about Last Year's Events for which the TC was Main Sponsor :

Name of the Event	City	Date	Approximate Total Attendance	Approximate Percentage Industry Attendance(%)	Number of Papers Recommended for Publication in IFAC Journals
	Country	Duration (Days)			
Comments about Event(Quality, Industrial Relevance, etc.)					
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9. Information about Last Year's Events for which the TC was Co-Sponsor :

Name of the Event	City	Date	Approximate Total Attendance	Approximate Percentage Industry Attendance(%)	Number of Papers Recommended for Publication in IFAC Journals
EI2N'2009: 4rd IFAC/IFIP International Workshop on Enterprise Integration, Interoperability and Networking	Vilamoura	3/11/2009			
	Country	Duration (Days)			
	Portugal	2	35	30	0
Comments about Event(Quality, Industrial Relevance, etc.)	The workshop was also supported by the IFIP WG 5.12. 50% of the submissions have been accepted. Strong discussions about the science foundation of interoperability and the relationships between IT and business architecture (http://tc.ifac-control.org/5/3/events/ei2n2009-folder)				
Name of the Event	City	Date	Approximate Total Attendance	Approximate Percentage Industry Attendance(%)	Number of Papers Recommended for Publication in IFAC Journals
Pre-ICEIMT'2009: 1st International Workshop on "The Future Enterprise Architecture:	Bled	14/12/2009			
	Country	Duration (Days)			

<p>a Fusion of Management Science and Engineering?"</p>	Slovenia	3	30	50	0
<p>Comments about Event(Quality, Industrial Relevance, etc.)</p>	<p>The meeting objective was to emphasize the complementary issues in business architecture and enterprise integration. Most of the industrial representatives reported about their experience.</p>				
<p>Name of the Event ICE Workshop on Interoperability and Next Generation Enterprise Architecture</p>	<p>City Leiden</p>	<p>Date 23/06/2009</p>	<p>Approximate Total Attendance</p>	<p>Approximate Percentage Industry Attendance(%)</p>	<p>Number of Papers Recommended for Publication in IFAC Journals</p>
<p>Comments about Event(Quality, Industrial Relevance, etc.)</p>	<p>Country The Netherlands</p>	<p>Duration (Days) 2</p>	<p>20</p>	<p>10</p>	<p>0</p>
<p>Name of the Event INCOM'2009: 13th IFAC Symposium on Information Control Problems in Manufacturing</p>	<p>City Moscow</p>	<p>Date 3/06/2009</p>	<p>Approximate Total Attendance</p>	<p>Approximate Percentage Industry Attendance(%)</p>	<p>Number of Papers Recommended for Publication in IFAC Journals</p>
<p>Comments about Event(Quality, Industrial Relevance, etc.)</p>	<p>Country Russia</p>	<p>Duration (Days) 3</p>	<p>654</p>	<p>18</p>	<p>40</p>
<p>Name of the Event</p>	<p>City</p>	<p>Date</p>	<p>Approximate Total Attendance</p>	<p>Approximate Percentage Industry Attendance(%)</p>	<p>Number of Papers Recommended for Publication in IFAC Journals</p>
<p>Comments about Event(Quality, Industrial Relevance, etc.)</p>	<p>Country</p>	<p>Duration (Days)</p>	<p></p>	<p></p>	<p></p>

10. List of Future Events for Which the TC will be Main Sponsor :

Name of the Event	City	Country	Date	Duration (days)

11. List of *Future Events* for Which the TC will be *Co-Sponsor* :

Name of the Event	City	Country	Date	Duration (days)
MOSIM'2010	Hamamet	Tunisia	10/05/2010	3
HMS'2010	Valenciennes	France	31/08/2010	4
MCPL'2010	Coimbra	Portugal	08/09/2010	2
EI2N'2010	Crete	Greece	27/10/2010	2

12. WWW Address for TC's Homepage: http://

www.ifac-tc53.org

13. Is this TC contributing to a Milestone Report to be prepared by it's CC?

Yes No

14. Has this TC prepared a Professional Brief?

Yes No

If yes, please provide Title of Professional Brief

15. For Congress Year Report ONLY: Number of Congress Papers Reviewed by TC

16. Other TC Accomplishments

(Additional information not reported elsewhere, e.g. Manuscripts, Web-based events, Articles for IFAC publications, Identification of Affiliate Journals, E-newsletters, etc.); please describe.

The number of members in the TC has been decreased to 33, removing non active members. The objective is to have 10 more members belonging to industry

- a track of 4 invited sessions have been organised at INCOM'2009

- the EI2N'2009 workshop attracted a big audience and was a success

- Special issue of Computers In Industry based on INCOM2009 and EI2N'2009 has been published in 2010

17. Plans for TC

(Activities in addition to meeting events described above; Manuscripts, Web-based events, Articles for IFAC publications, Professional Briefs, Affiliate Journals, E-newsletters, etc.); please describe

- Professional Brief will be proposed related to "Practical Applications of Enterprise Reference Models in Manufacturing and Service Industries"

- Create a Virtual Professional Community among all the TC 5.3 members using available information technologies and webpage information for each TC 5.3 working group.

- The TC would like to organise, each year, a special issue of an international journal in relationship with WG topics.

18. Problems

(Especially any that require Technical Board attention); please describe

Some TC members nominated by NMO's are not responsive to many requests.

2 WG have been cancelled because of no enough interest from the community

Are there any changes that IFAC Technical Board should make in this TC at this time? If so, please describe

NONE

**19. For Congress Year Report ONLY:
What is long term outlook for the
technology of your TC?**

Please describe likely future major developments within the scope of this TC

20. Recommendations

(Please provide recommendations relevant to TC operation such as potential new Working Groups, Recommendations to merge this TC with another TC, New trends within the technical field covered by the TC that suggests future changes in IFAC scope or activities, etc.)

NONE