IFAC TECHNICAL COMMITTEE (TC) ANNUAL REPORT

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

1. Report Date:	15/04/2009
2. TC Name:	Enterprise Integration and Netwroking
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 37

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6. List of Working Groups:

Working Group Name		Name of Chair	E-Mail Address
Collaborative Networked Organizations		Arturo Molina	armolina@itesm.mx
	Focus	Collaborative Networked Organization principles, working models, application methods, protocols and Information and Communication Technologies.	

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 betweens 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
Enterprise Models repository		Larry Whitman	larry.whitman@wichita.edu
	Focus	Methodologies and technologies for documenting and storing enterprise models enabling model reuse.	

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	9/07/2008
Location of Last TC Meeting	Seoul (Korea) at World Congress 2008

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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'2008: 3rd IFAC/IFIP International Workshop on Enterprise Integration, Interoperability and Networking	Monterrey	12/11/2007			
	Country	Duration (Days)			
	Mexico	2	35	20	0

Comments about Event(Quality, Industrial Relevance, etc.)

50% of the submissions have been accepted. Strong discussions about the science of interoperability. A member of the European commission was attending the workshop.

Name of the Event	City	Date	Approximate Total Attendance	Approximate Percentage Industry Attendance(%)	Number of Papers Recommended for Publication in IFAC Journals
IWL'2008: 1st IFAC/ACCA International Workshop on Logistics	Santiago	09/12/2007			
	Country	Duration (Days)			
	Chile	2			

Comments about Event(Quality, Industrial Relevance, etc.)

This meeting covers recent progress in the conference topics, encompassing methodological approaches, methods, tools and applications in the domain of logistic

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Comments about Event(Quality, Industrial Relevance, etc.)

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)
INCOM2009	Moscow	Russia	03/06/2009	3
ICEIMT2009 workshop	Leiden	The Netherlands	23/06/2009	2
EI2N2009	Villamoura	Portugal	03/11/2009	2
ICEIMT conference	Bled	Slovenia	16/12/2009	3
HMS2010	Valenciennes	France	31/08/2010	4

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 increased to 37. The objective is to have 10 members belonging to industry

- 2 invited sessions and 1 regular session organised at the World Congress 2008.

- A track of 3 sessions organised at INCOM2009

- Special Issue of Information Systems on "Advances in Data and Service Integration" published in December 2008

- Special issue of Computers in Industry on Enterprise Integration and Interoperability in Manufacturing Systems published in December 2008

- Special issue of the Annual Reviews of Control based on INCOM 2006 and ASBoHS06. Special issue of Computers In Industry based on INCOM2006 and World Congress 2008 to be published in 2009

- The TC has created a "social group" on Plaxo (http://ifac-tc53.plaxogroups.com) to let members to share links and other useful information because this is not allowed on the TC web site.

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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.

- Organize videoconferences for the Enterprise Integration and Networking Community to be used in Master courses among TC members'universities

- 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.

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