

# IFAC TECHNICAL COMMITTEE (TC) ANNUAL REPORT

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

**1. Report Date:** 31/05/2012  
**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@univ-lorraine.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**

36

**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.	

<b>7. Date of Last TC Meeting</b>	24/05/2012
Location of Last TC Meeting	Bucharest, Romania at INCOM 2012

**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+ICE'2011: 6th IFAC/IFIP International Workshop on Enterprise Integration, Interoperability and Networking	Hersonissou Greece	19/10/2011 Duration (Days) 2	60	25	0

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

The workshop was also supported by the IFIP WG 8.1. The workshop was joint with the NFS ICE workshop. 30% of the submissions have been accepted. Strong discussions about Interoperability issues in Collaborative Information Systems (<http://tc.ifac-control.org/5/3/events/ei2n2011-folder>). 1 keynote invited speaker (Niky Riga, GENI Project Office, Raytheon BBN Technologies)

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

Name of the Event	City	Country	Date	Duration (days)
EI2N'2012: 7th IFAC/IFIP International Workshop on Enterprise Integration, Interoperability and Networking	Rome	Italy	12/9/2012	2
I-ESA 2012	Valencia	Spain	22/3/2012	2

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

Name of the Event	City	Country	Date	Duration (days)
INCOM 2012	Bucharest	Romania	23/5/2012	3
Industry case Studies Program at OTM'2012	Hersonissou	Greece	21/10/2010	1
MIM 2013	St. Petersburg	Russia	19/06/2013	3
LSS 2013	Shanghai	China	7/7/2013	4

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

[www.ifac-tc53.org](http://www.ifac-tc53.org)

**13. Is this TC contributing to a Milestone Report to be prepared by its 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 EI2N'2010 workshop attracted a big audience and was a success
- Special issue of Enterprise Information Systems journal, based on EI2N'2010 is now finished. 6 papers will be published.
- The TC organises 2 tracks (9 sessions) at INCOM 2012

**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

- A special issue of IIE Transactions (Taylor & Francis) is planned with extended version of best papers from IFAC WC 2011, EI2N 2011 and INCOM 2012.
- 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 next EI2N'2012 workshop is main sponsored by the TC and co-sponsored by 5 other TC and by IFIP WG8.1.
- The Industry Case Studies (ICs) program, to be held in Rome on September 2012, should attract a big audience from Industry. The PC of this program is composed of more that 50 people from industry. Ed Parsons (Google) has been invited as keynote for EI2N'2012 and ICS.

**18. Problems**

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

It is a really pity that, during the year of WC, there is no sponsorship or co-sponsorship of events, even if those events run after the World Congress. This is a major problem for ensuring continuations in the development of the TC.

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