



IEEE CNOM meeting @ Globecom 2011

Marcus Brunner (IEEE CNOM Chair)

Dec, 2011

Houston, Dec 6, 2011

IFIP/CNOM officers

- IFIP WG 6.6 Chair
 - Chair: Aiko Pras, University of Twente
 - Vice chair: Olivier Festor, INRIA, France
- CNOM officers
 - Chair: Marcus Brunner, NEC, Germany
 - Vice Chair: Lisandro Granville, UFRGS, Brazil
 - Technical Program Chair: Filip de Turck Ghent University
 - Secretary: Brendan Jennings, Waterford Institute of Technology, Ireland

CNOM Reps to ICC/Globecom

- **Globecom 2013** - Michele Nogueira, Federal University of Parana (UFPR), Brazil
 - **ICC 2014** – Open
 - **Globecom 2014** – Open
 - **ICC 2015** – Open
 - Contact any of the officers if you are interested
-

Promotion of the N&S management area

- Websites:

- <http://cnom.tssg.org/>
- <http://www.simpleweb.org/ifip/>

- Mailing lists:

- ifip_nm@lists.utwente.nl
- cnom@inf.ufsc.br

- RSS feeds:

- <http://www.simpleweb.org/cfp.rss>
- <http://www.simpleweb.org/conferences.rss>
- <http://www.simpleweb.org/podcasts/simpleweb.rss>

Publications in journals

- IEEE Transactions on Network and Service Management (TNSM)
 - IEEE Communication Magazine
Series on Network and Service Management
 - Journal of Network and Systems Management (JNSM)
 - International Journal of Network Management (IJNM)
-

IEEE Trans. on Network and Service Management (TNSM)

- **New Editor-in-Chief: Morris Sloman from Jan 2011**
- <http://www.comsoc.org/tnsm/>
- Within our community highest reputation
- TNSM has been reviewed by Thomson for inclusion, but not (yet) accepted
 - ✦ not enough cited / not enough citations
 - ✦ reason: only recently in IEEE Xplore
- TNSM is indexed by Scopus and many others



ComMag Network and Service Mgt Series

- **Feature Editors**

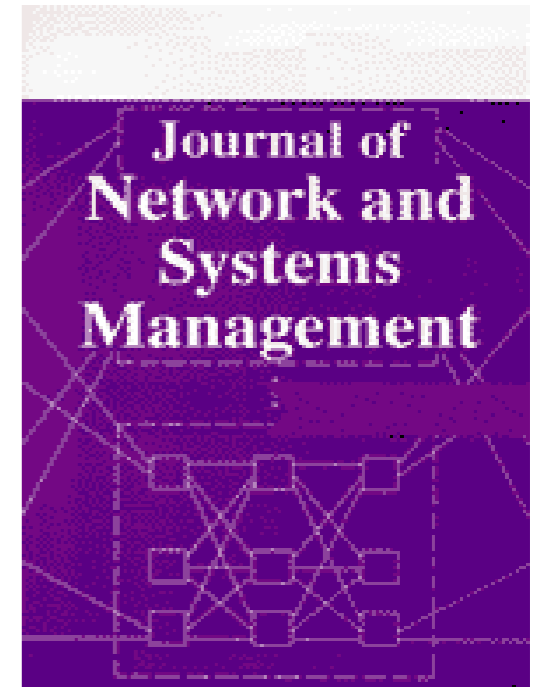
- George Pavlou, UCL, UK, g.pavlou@ee.ucl.ac.uk
- Aiko Pras, U. of Twente, a.pras@utwente.nl

Issue	Published	Submitted	Accepted	Acc. ratio
1	October 2005	21	4	19
2	March 2006	23	5	22
3	October 2006	17	4	24
4	April 2007	23	4	17
5	October 2007	14	4	29
6	April 2008	32	5	16
7	October 2008	23	4	17
8	July 2009	29	4	14
9	November 2009*	21	1	5
10	July 2010	21	3	14
11	December 2010	22	3	14
12	July 2011	22	4	18
13	December 2011	35	4	11

* November 2009 issue merged with July 2010

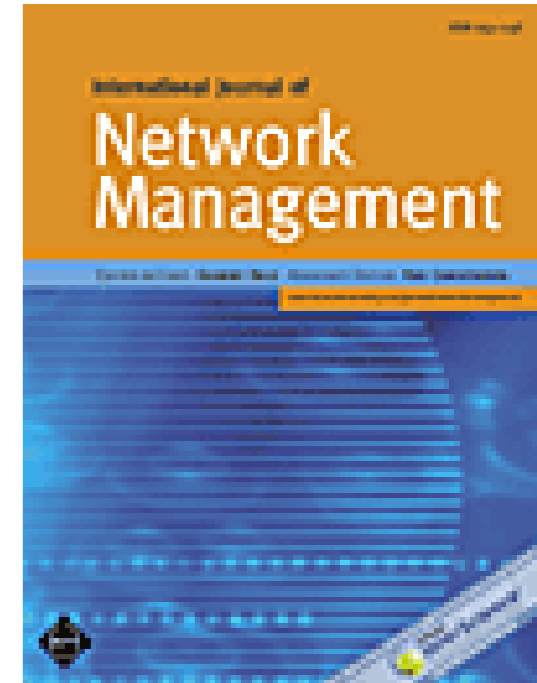
Journal of Network and Systems Management

- EiC: Deep Medhi (new)
- Published by Springer / 4 x year
- ISI Impact factor:
 - 0,685 (2008)
 - 1,356 (2009)
 - 0,45 (2010)



International Journal of Network Management

- EiC: Ken Christensen (till 1/1/2012)
James Hong (starting 1/1/2012)
- Ass. Ed: James Hong, Aiko Pras
- Published by Wiley / 6 x year
- Since 2011: online only
- Indexed by ISI since 2008
- Impact factor 2010: 0,323
 - Rank Computer Science, Information Systems: 116 (126)
 - Rank Telecommunications: 61 (78)
- Also indexed by Scopus, Inspec, etc.
- [http://onlinelibrary.wiley.com/journal/10.1002\(ISSN\)1099-1190](http://onlinelibrary.wiley.com/journal/10.1002(ISSN)1099-1190)



ComSoc Conference Portfolio Analysis

- All ComSoc conferences are in process to be evaluated
- KPI Scheme
 - Acceptance ratio – largely available/hotly disputed as Quality
 - Xplore Download Statistics as Popularity
 - Technical Scope, Uniqueness/Overlap
 - Financial (revenue/trend)
 - Attendance (absolute/trend)

Preliminary Results

Conference	KPI Scores									Total Score
	Financial			Attendee		Content	Quality/Popularity			
	Revenue	Surplus	Rate Return	Attendance	Trend	Scope	Acc-Ratio	Attend. Satis.	Downloads	
NOMS&IM	3	2	3	3	2	2	2		2	19
MILCOM	3	3	3	3	1	3	1		0	17
GC	3	3	2	3	2	3	1		0	17
Infocom	3	2	1	3	2	2	2		1	16
CCNC	3	2	3	3	0	2	2		0	15
OFC	3	3	3	3	0	3	tbd		0	15
ICC	3	3	2	3	0	3	1		0	15
EDOC	1	0	1	2	2	3	2		3	14
DYSPAN	3	2	3	3	1	1	1	not enough data		14
SmartGridCo	3	2	3	3	n/a	2	1			14 no trends yet
PIMRC	3	2	2	3	0	1	1		0	12
SECON	1	0	0	2	0	2	3		3	11
ISCC	1	1	3	2	2	-1	1		1	10
ICME	3	2	2	3	-1	1	0		0	10
VNC	0	0	3	1	3	3	0	not enough data		10

Past Conferences - 2011

- **IM 2011 (IFIP/IEEE)**
May 23-27, Dublin, Ireland
 - **AIMS 2011 (IFIP)**
June 13-17, Nancy, France
 - **APNOMS 2011 (IEEE/IFIP)**
September 21-23, 2011, Taipei, Taiwan
 - **LANOMS 2011 (IEEE)**
October 10-11, Quito, Ecuador
 - **CNSM 2011 (IEEE/IFIP/ACM SIGCOMM)**
October 24-28, Paris, France
-



7th Latin American Network Operations and
Management Symposium
Quito, Ecuador — October 10–11, 2011
Co-located with CLEI and LANC

Full Papers: 12, Accepted Short Papers: 3

**Technical Sessions: 4 (Management of Wireless Networks,
Management Applications, Security Management,
Management of Virtual Infrastructures & Services)**

**Number of Attendees - CLEI/LANOMS/LANC: 624
LANOMS Sessions: Around 40 attendees**



NOMS

2011



- Invited Speech 1: Management towards Reducing Cloud Usage Costs
Dr. Vladimir Tosic, NICTA



- Invited Speech 2: Communication and Sensors Technologies Integration for Cost-Effective Ubiquitous Healthcare Provisioning
Prof. Nazim Agoulmine, University of Evry Val d'Essonne



- Invited Speech 3: On the Design of the Future Internet
Prof. Otto C.M.B. Duarte, Federal University of Rio de Janeiro



- Panel: Trends in Managing Virtual Infrastructures: from Networks to Clouds
Moderator: José Marcos Nogueira

International Conference on Network and Service Management (CNSM'2011)

- **Single Track** conference with workshops co-located
- Strong selection (**15% acceptance rate**)
- October 25-29, 2010, Paris, France
- <http://www.cnsm2011.org/>



Future Conferences

- **WTC 2012 (CNOM endorsed)**
Miyazaki, Japan
- **NOMS 2012 (IEEE/IFIP)**
April 16-20, Maui, Hawaii, USA
- **AIMS'12 (IFIP)**
 - June 4-7, 2012, Luxembourg
- **APNOMS'12**
 - Sept 25-27, 2012, Seoul Korea
- **CNSM 2012 (IEEE/IFIP/ACM SIGCOMM)**
Oct 2012, Las Vegas,
- **IM 2013 (IFIP/IEEE)**
May 27-31, Ghent, Belgium
- **NOMS 2014 (IEEE/IFIP)**

 - May 5-9, 2014, Krakow, Poland

NOMS 2012

- 16-20 April 2012
- Maui, Hawaii
- General chair:
 - Douglas N. Zuckerman
 - Tom Moore
- General chairs:
 - Filip de Turck
 - Luciano Paschoal Gaspar

<http://www.ieee-noms.org/2012/>



NOMS 2012

- Paper statistics
 - Overall 241 papers submitted (210 full papers)
 - TPC meeting held (long papers, mini-conference, short papers) selected
 - Notifications sent out
- Panels
 - Information-centric Networking
 - Software-defined Networks
 - Virtual Networking
- Call for Papers for Workshops still open

NOMS'12 Organization Committee

- **Panels Co-Chairs**
Nikos Anerousis (IBM, USA)
Makoto Takano (NTT-West, Japan)
- **Applications Co-Chairs**
Alex Clemm (Cisco, USA)
Burkhard Stiller (University of Zurich, Switzerland)
- **Patrons Co-Chairs**
Claudio Bartolini (HP Labs, USA)
Shri Goyal (SPC, USA)
- **Posters Co-Chairs**
Brendan Jennings (TSSG, Ireland)
Kazuhiko Kinoshia (Osaka University, Japan)
- **Tutorials Co-Chairs**
Hong-Taek Ju (Keimyung University, Korea)
Shingo Ata (Osaka City University, Japan)
- **Dissertation Digest Co-Chairs**
Aldri Santos (Federal University of Paran, Brazil)
Rolf Stadler (KTH, Royal Institute of Techn, Sweden)
- **Workshops Co-Chairs**
Mehmet Ulema (Manhattan College, USA)
Young-Tak Kim (Yeungnam University, Korea)
- **Exhibits Chair**
Barcin Kozbe
Chris Ward (IBM, USA)
- **STG Co-Chairs**
Olivier Festor (INRIA, France)
Yixin Diao (IBM, USA)
- **Local Arrangements Co-Chairs**
Jung Park (UHMC, USA)
Cliff Halevi (Telcordia, USA)
- **Webmaster**
Steven Latre (Ghent University, Belgium)
- **Gold Program**
Ali Daneshmand (AT&T, USA)
- **Finance Chair**
Raouf Boutaba (University of Waterloo, Canada)
- **Treasurer**
Bruce Worthman (ComSoc, USA)
- **Keynotes/DEP Co-Chairs**
Joe Betser (Aerospace Corporation, USA)
Mahmoud Daneshmand (AT&T, USA)
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Keynote Speaker

- Vint Cerf, Google Chief Internet Evangelist
- Dave Belanger, AT&T Labs Research, USA
- Hossein Eslambolchi, 2020 Venture Partners, USA
- Toshitaka Tsuda, Fujitsu Labs, Japan
- David Lassner, University of Hawaii, USA
- Yuan-Kuang Tu, Chunghwa Telecom, Taiwan
- Morris Sloman, Imperial College London, UK

WTC2012

- Date: March 5-6, 2012
with Workshop on March 4 and 7
- Venue: Miyazaki, Japan
- Keynote sessions
- Invited sessions
- Technical sessions
- Poster sessions
- Exhibition
- Workshops

Keynote Speakers

- **Towards a New Era of Inter-Cloud Computing**
Dr. Eiji Kuwana (NTT), Vice President, General Manager, NTT Information Sharing Platform Labs
- **The role of Standards in the Telecommunications evolution**
Mr. Luis Jorge Romero (ETSI), General Director of ETSI
- **The Shift**
Ms. Allison Cerra (Alcatel-Lucent), Vice President of Marketing, Communications and Public Affairs for Alcatel-Lucent in the Americas Region
- **Software Definable Network toward the Revolution of the Internet**
Mr. Toshiyuki Kanoh (NEC), Executive Chief Engineer, Central Research Labs
- **<TBD>**
Mr. Kimiya Yamaashi (Hitachi), General Manager, Information Systems Research Laboratory, Central Research Lab.

Workshops

400-words abstract is due on December 21
Presentation only

◆ “*Cloud Computing in the Telecom environment - bridging the gap*”

[**Organizer**] *Sonny Thorelli, Ericsson Research*

- [**Topics**]
- Benefits of Cloud Computing in Telco environment
 - Business impacts in the Telecom industry
 - Cloud Computing in Telco architecture
 - Security for Cloud Computing
 - Telco application software as a Service
 - Distributed Cloud Computing
 - Networking as a Service

◆ “**Software defined networks (SDN) and open flow**”

[**Organizer**] *Andreas Gladisch, Deutsche Telekom*

- [**Topics**]
- Use Cases for application of SDN (Datacenter, Access and Aggregation, Enterprise networks, Wireless networks)
 - Techno economical assessment of the use cases
 - System and software architecture for SDN
 - Network applications
 - Seamless virtualization
 - Scalability and reliability of SDN and OF
 - Prototypes and demonstrator of SDN and open flow

Program

Main Conference

*Monday, March 5

	Room A	Room B
09:00-10:30	K1 : Opening Session/Keynote	
10:30-11:00	Break	
11:00-12:30	I111 (Invited Session) : <i>Mobile Ultrabroadband for everyone: the real challenge of LTE</i>	TS-B1 (Technical Session) : <i>Managing Newly Emerging Traffic Classes</i>
12:30-14:00	Lunch break	
14:00-15:30	TS-A1 (Technical Session) : <i>Wireless Heterogeneous Networks and Mobile Platforms</i>	TS-B2 (Technical Session) : <i>High Performance Security and Management</i>
15:30-16:30	Break	
16:30-18:00	TS-A2 (Technical Session) : <i>M2M and Ad-hoc Networks</i>	TS-B3 (Technical Session) : <i>Network Virtualization</i>
19:00	Gala Banquet Dinner	

*Tuesday, March 6

	Room A	Room B
09:00-10:30	K2 : Keynote	
10:30-11:00	Break	
11:00-12:30	I121 (Invited Session) : <i>Natural phenomenon, disaster recovery, and the social role of telecommunications</i>	TS-B4 (Technical Session) : <i>Optical networks</i>
12:30-14:00	Lunch break	
14:00-15:30	TS-A3 (Technical Session) : <i>Mobile Access and Networks</i>	TS-B5 (Technical Session) : <i>Networking and Routing</i>
15:30-16:00	Break	
16:00-17:30	TS-A4 (Technical Session) : <i>Cloud Computing</i>	TS-B6 (Technical Session) : <i>Infocommunications in Markets and Society</i>
17:30-17:50	Break	
17:50-18:30	Closing Session	

Workshop

*Sunday, March 4

	Room A
09:00-12:30	Workshop
12:30-14:00	Lunch break
14:00-17:30	Workshop

*Wednesday, March 7

	Room A
09:00-12:30	Workshop

Exhibition / Poster

*Monday, March 5

	Room C	
10:30-15:30	Exhibition	
15:30-16:30		Poster
16:30-18:00		

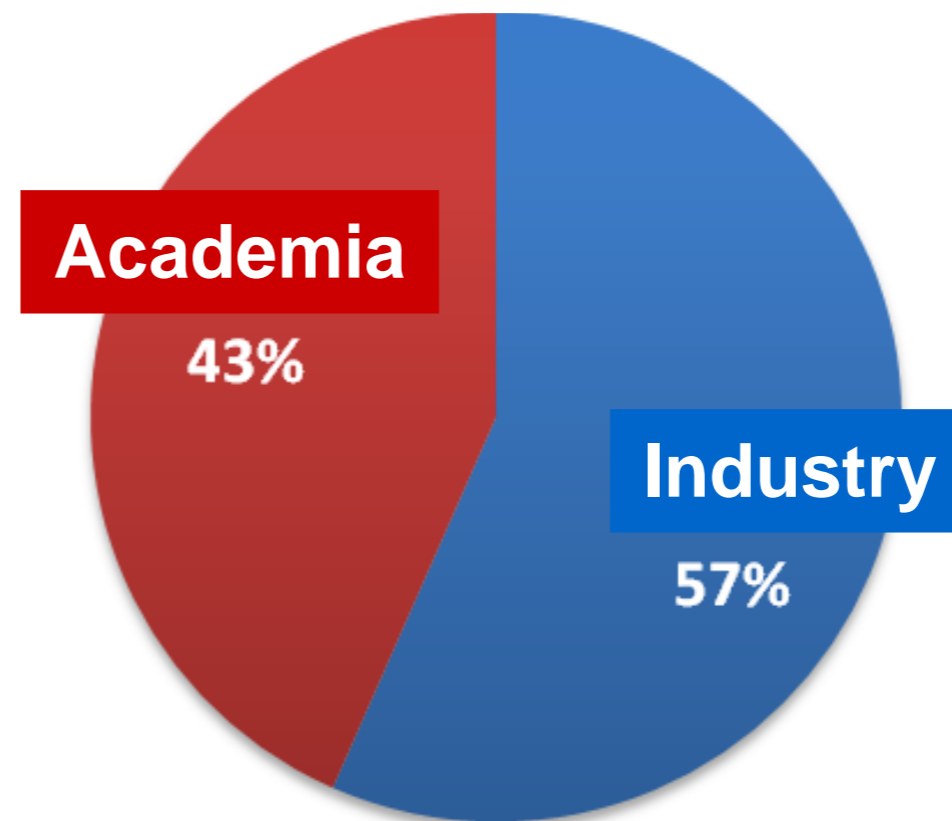
*Tuesday, March 6

	Room C	
10:30-15:30	Exhibition	
15:30-16:00		Poster
16:00-17:30		

Statistics

- Submission: 70
- Accepted: 41

Affiliation breakdown (Accepted Papers)



Patrons

Patron

PLATINUM Patron



Nippon Telegraph and Telephone Corporation



Mitsubishi Electric Corporation

GOLD Patron



NEC Corporation



Juniper Networks, Inc.



Hitachi, Ltd.



Cisco Systems, Inc.



Ericsson Japan K.K.

SILVER Patron



KDDI R&D Laboratories, Inc.

WTC2012 Call for Participation



The poster features the WTC 2012 logo with palm trees and the text 'WTC 2012 MIYAZAKI JAPAN'. The main title is 'World Telecommunications Congress 2012 incorporating ISS and ISSLS'. The website 'http://www.wtc2012.jp' is listed. The location is 'Phoenix Seagala Resort, Miyazaki, Japan'. The dates are 'Main Conference: March 5-6, 2012' and 'Workshop: March 4 and 7, 2012'. A central image shows a resort pool at night. Below the image is the heading 'Call for Participation'. The text describes the congress as a major enabler of new ways of working in the 21st century, bringing together experts from industry, academia, and government. It mentions the congress's origins in the ISS and ISSLS and invites authors to submit papers. A box highlights the 'Early Registration Cut-off Date: January 15, 2012'. At the bottom, it lists 'Keynote Speakers:'.

WTC 2012
MIYAZAKI JAPAN

Telecommunications - The Infrastructure for the 21st Century
World Telecommunications Congress 2012
incorporating ISS and ISSLS
<http://www.wtc2012.jp>

Phoenix Seagala Resort, Miyazaki, Japan Main Conference: March 5-6, 2012
Workshop: March 4 and 7, 2012

Call for Participation

Telecommunications is the major enabler of new ways of working in the 21st Century. There have been dramatic changes in network architecture, service capabilities, and business models in response to emerging needs and applications. The World Telecommunications Congress (WTC) brings together leading experts from industry, academia and government to map out the future requirements for telecommunications technologies, applications and policy.

WTC builds on the traditions of quality, timeliness and open interaction from its origins in the ISS (International Switching Symposium) and ISSLS (International Symposium on Services and Local Access). Authors are cordially invited to submit papers to WTC 2012, to be held at Phoenix Seagala Resort, Miyazaki, Japan, March 4-7, 2012. It features technical sessions, Keynote Sessions, Invited Sessions, Technical Sessions, Posters Sessions, Exhibition and Workshops.

Early Registration Cut-off Date: January 15, 2012

Keynote Speakers:

Early registration cut-off date January 15, 2012

www.wtc2012.jp

- Managing Newly Emerging Traffic Classes
- High Performance Security and Management
- Network Virtualization
- Cloud Computing
- Optical networks
- Networking and Routing
- Infocommunications in Markets and Society

IM 2013

- 27-31 May, 2013
- Ghent, Belgium
- General Chairs:
 - Alexander Clemm
 - Piet Demeester
- TPC Chairs:
 - Filip De Turck
 - Yixin Diao
 - Choong Seon Hong

www.ieee-im.org/2013





IFIP/IEEE INTERNATIONAL SYMPOSIUM
ON INTEGRATED NETWORK MANAGEMENT

SMART MANAGEMENT IN A VIRTUALIZED WORLD



www.im2013.org

27-31 May 2013
Ghent
Belgium



PRELIMINARY CALL FOR PAPERS

IMPORTANT DATES

- ▶ Paper submission:
August 2012
- ▶ Notification of acceptance:
October 2012
- ▶ Camera ready papers:
December 2012

Exact dates to be announced

GENERAL CO-CHAIRS

- ▶ Alexander Clemm
Cisco, USA
- ▶ Piet Demeester
Ghent University-IBBT, Belgium

TPC CO-CHAIRS

- ▶ Choong Seon Hong
Kyung Hee University, Korea
- ▶ Yixin Diao
IBM T.J. Watson, USA
- ▶ Filip De Turck
Ghent University-IBBT, Belgium

For more information, please contact one of the TPC Co-Chairs at tpcchairs@im2013.org



IFIP/IEEE INTERNATIONAL SYMPOSIUM
ON INTEGRATED NETWORK MANAGEMENT

SMART MANAGEMENT IN A VIRTUALIZED WORLD



www.im2013.org



St Nicolas Church (1320) – Belfry (1380) – St Bavo Cathedral (1533)



SMART MANAGEMENT IN A VIRTUALIZED WORLD

www.im2013.org



Gravensteen Castle (1093)



Organizing Function	Responsible
General	Alexander Clemm (Cisco, USA) Piet Demeester (Ghent University-IBBT, Belgium)
Technical Program	Filip De Turck (Ghent University-IBBT, Belgium) Yixin Diao (IBM, USA) Choong Seon Hong (Kyung Hee University, Korea)
Publication	Deep Medhi (UMKC, USA) Ramin Sadre (University of Twente, The Netherlands)
Panels	Joe Betser (The Aerospace Corporation, USA) Juergen Schoenwaelder (Jacobs University, Germany)
Application Session Program	Nikos Anerousis (IBM, USA) Liam Fallon (Ericsson, Ireland)
Posters	Luciano Paschoal Gaspary (UFRGS, Brazil) Aldri Santos (University of Parana, Brazil)
Tutorials	Lisandro Zambenedetti Granville (UFRGS, Brazil) Hanan Lutfiyya (University of Western Ontario, Canada)
Dissertation Digest	Joan Serrat (UPC, Spain) Rolf Stadler (KTH Royal Institute of Technology, Sweden)
Exhibits	Brendan Jennings (TSSG, Ireland) Bruno Klauser (Cisco, Switzerland)
Patrons	Olivier Festor (INRIA Nancy, France) Chris Ward (Sirius XM, USA)



Organizing Function	Responsible
Keynotes/DEP	Prosper Chemouil (Orange, France) Doug Zuckerman (USA)
Workshops	Aiko Pras (University of Twente, The Netherlands) Declan O'Sullivan (Trinity College Dublin, Ireland)
Local Arrangements	Karen Boers (IBBT, Belgium) Peter Van Daele (Ghent University-IBBT, Belgium)
Publicity	Jose Marcos Nogueira (Univ Minas Gerais, Brazil) – South America Koji Sasayama (NTT, Japan) – Japan Young-Tak Kim (Yeungnam University, Korea) – Asia excl Japan Burkhard Stiller [tbc] (University of Zurich, Switzerland) -Europe Masum Hasan (Cisco, USA) – North America
Comsoc Coordinator	Phyllis O'Neill (ComSoc, USA)
Student Travel Grants	Myung-Sup Kim (Korea University, Korea) Radu State (University of Luxembourg, Luxembourg)
Finance	Steven Latre (Ghent University, Belgium) James Hong (POSTECH, Korea)
Treasurer	Bruce Worthman (IEEE, USA)
Online Presence and Webmaster	Jeroen Famaey (Ghent University-IBBT, Belgium)
Design	Max Loskutnikov (ComSoc, USA)

Raouf Boutaba to IEEE Fellow

- with the following citation:

for contributions to automated network and service management methodologies and applications.

- Congratulations

Next Meetings

- NOMS 2012 in Hawaii
- ICC 2012 in Ottawa

- AoB
- Web page update
 - Add steering committee members to CNOM web page
 - Next conferences, IJNM, AIMS 2011

ComSoc Technology News (CTN)

- James Hong is founding EiC
- Online news providing the latest interesting summaries of publications
 - With application to practice (made for industrial people)
- Looking for a volunteer from CNOM for editorial board
- CNOM rep would be good to represent our conferences and journals into that news
 - Task is selecting ~1 article per month from the management community