Joint
IFIP WG6.6 & IEEE CNOM meeting

Aiko Pras & Olivier Festor (IFIP WG6.6 Chair)
Marcus Brunner (IEEE CNOM Chair)

October, 2011

Paris, France

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, Irland

What are we doing?

- Organize the Network and Service management community
- Close collaboration between IEEE CNOM & IFIP WG6.6

- Promote our area
- Educate PhD students
- Sponsor and award PhD students
- Structure our research area (taxonomy, reviews)
- Fight stronger against self-plagiarism and no-shows
- Improve indexing (DBLP, SCI, …)
- Promote publications in journals
- Update statistics for our conferences
- Sponsor conferences
- Work on performance data / ranking of our conferences

What are we doing?

- Organize the Network and Service management community
- Close collaboration between IEEE CNOM & IFIP WG6.6

- Promote our area
- Educate PhD students
- Sponsor and award PhD students
- Structure our research area (taxonomy, reviews)
- Fight stronger against self-plagiarism and no-shows
- Improve indexing (DBLP, SCI, …)
- Promote publications in journals
- Update statistics for our conferences
- Sponsor conferences
- Work on performance data / ranking of our conferences

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

What are we doing?

- Organize the Network and Service management community
- Close collaboration between IEEE CNOM & IFIP WG6.6

- Promote our area
- Educate PhD students
- Sponsor and award PhD students
- Structure our research area (taxonomy, reviews)
- Fight stronger against self-plagiarism and no-shows
- Improve indexing (DBLP, SCI, …)
- Promote publications in journals
- Update statistics for our conferences
- Sponsor conferences
- Work on performance data / ranking of our conferences

Structuring the N&S management research area

- Created a N&S management taxonomy
  - http://www.simpleweb.org/ifip/taxonomy.html

- Has been implemented within the JEMS system and used for manweek'09, NOMS'10, CNSM'11, NOMS'2012,

- Purpose:
  - For authors: fixed keywords to chose from
  - For reviewers:
    Fixed keywords to indicate area of expertise / interest
    No need to continuously enter expertise again
  - For organizers: match papers and reviewers
  - ***Improve Quality of Reviews***

What are we doing?

- Organize the Network and Service management community
- Close collaboration between IEEE CNOM & IFIP WG6.6

- Promote our area
- Educate PhD students
- Sponsor and award PhD students
- Structure our research area (taxonomy, reviews)
- Fight stronger against self-plagiarism and no-shows
- Improve indexing (DBLP, SCI, …)
- Promote publications in journals
- Update statistics for our conferences
- Sponsor conferences
- Work on performance data / ranking of our conferences

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

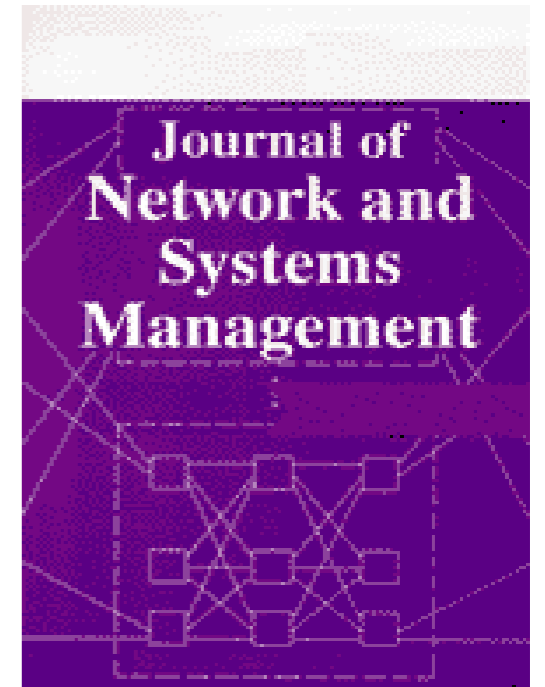| Issue	Published	Submitted	Accepted	Acc. ratio
1	October 2005	21	4	19
2	March 2006	23	5	22
3	October 2006	17	4	24
4	April 2007	23	4	17
5	October 2007	14	4	29
6	April 2008	32	5	16
7	October 2008	23	4	17
8	July 2009	29	4	14
9	November 2009*	21	1	5
10	July 2010	21	3	14
11	December 2010	22	3	14
12	July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

✴ November 2009 issue merged with July 2010

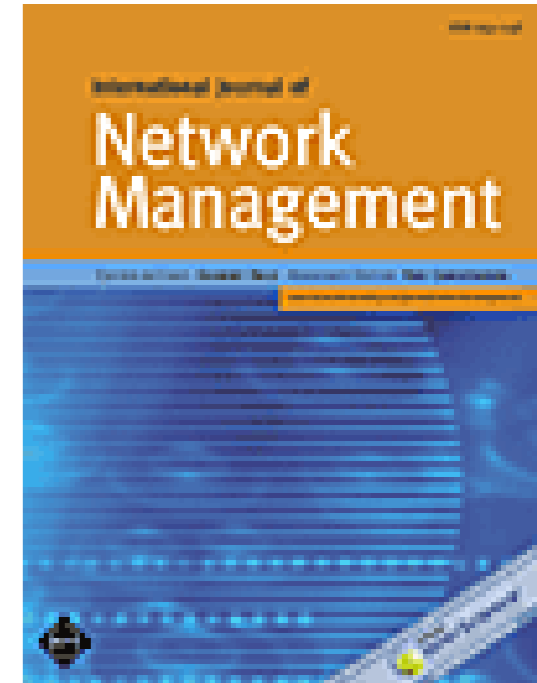# Journal of Network and Systems Management

- 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

What are we doing?

- **Organize the Network and Service management community**
- **Close collaboration between IEEE CNOM & IFIP WG6.6**

- Promote our area
- Educate PhD students
- Sponsor and award PhD students
- Structure our research area (taxonomy, reviews)
- Fight stronger against self-plagiarism and no-shows
- Improve indexing (DBLP, SCI, …)
- Promote publications in journals
- Update statistics for our conferences
- Sponsor conferences
- Work on performance data / ranking of our conferences

Statistics on Network, systems, and Services Management Community

- Thanks to Yixin Diao and the JEMS maintainers
- Querying JEMS for the past 5 years (2006-2010):
  - 24 workshops in MANWEEK
  - 40 conferences/workshops in IM/NOMS

- Authors
  - 710 overlap between IM/NOMS and MANWEEK authors
  - IM/NOMS: 915 authors appear more than once
  - Within IM/NOMS/MANWEEK: 1315 authors appear more than once

- TPC members
  - 760 people who have serviced at least once in IM/NOMS/MANWEEK

- Summary
  - Community is composed of about 700-900 regulars and 4000 one-time visitors
  - According to expert in social networking a community with more than 10% core members (in our case 15-20%) is believed to be very healthy

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)

- So far IM/NOMS is doing very well

	Submitted	Accepted	%	Attendees	Proceedings	Category
NOMS 2012	241	-	-	-	Xplore	International
CNSM 2011	164	24	14%	167	Xplore	A/A+
AIMS 2011	37	12	36	55 (was 41 in 2010)	LCNS	European
IM 2011	160	47	29	310	Xplore	A

	Submitted	Accepted	%	Attendees	Proceedings	Category
AIMS 2010	27	9	33	41	LCNS	European
CNSM 2010	176	27	15	180	Xplore	A
TMA 2010	34	14	41	70	LNCS	Focussed topic: Measurements
NOMS 2010	201	54	26	369	Xplore	A
AIMS 2009	28	12	42	45	LNCS	European
EUNICE 2009	> 60	23	32	≈ 50	LNCS	European Junior researchers
LANOMS 2009	30	12	40	75	Xplore	Latin-American
APNOMS	173	41	24	218	LNCS	Asia-Pacific
Manweek 2009 - DSOM - MMNS - IPOM	50 37 35	14 13 12	28 35 34	123	LNCS	A

Comparison using Google Scholar

Data collected via Scholarometer

- http://scholarometer.indiana.edu/
- H-index journal / conference
- Number of Articles / Number of Citations
- Queries:
  - advanced search
  - author = *
  - Search for 1000 articles
  - Tags: Computer networks, communication, telecommunications
  - in journal:
    - ➡ IJNM = International Journal of Network Management
    - ➡ JNSM = Journal of network and Systems Management
    - ➡ TNSM = Transactions on Network and Service Management
    - ➡ ComMag = Communications magazine
    - ➡ NOMS = Network Operations and Management Symposium
    - ➡ IM = Integrated Network Management
    - ➡ DSOM = Distributed Systems, Operations and Management
  - data collected 24 May 2011

Comparison using Google Scholar

	Articles	Citations	Citations / article	Max Cited	h	g	h_m
IJNM	861	3302	3,8	368	23	41	18
JNSM	690	5504	7,9	614	30	61	21
TNSM	117	606	5,18	103	11	20	7,6
ComMag	1000*	137341	??	6546	174	310	131
NOMS	1000*	6438	??	163	36	51	23
IM	788	6366	8,07	318	35	58	24
S&T	324	8956	5,3	633	51	88	34

1000 is maximum -> citations / article can not be calculated

What are we doing?

- Organize the Network and Service management community
- Close collaboration between IEEE CNOM & IFIP WG6.6

- Promote our area
- Educate PhD students
- Sponsor and award PhD students
- Structure our research area (taxonomy, reviews)
- Fight stronger against self-plagiarism and no-shows
- Improve indexing (DBLP, SCI, …)
- Promote publications in journals
- Update statistics for our conferences
- Sponsor conferences

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

Managing Secure Virtual Infrastructures: from Networks to Clouds

7th Latin American Network Operations and Management Symposium
Technically Co-Sponsored by the IEEE Communications Society and
The Brazilian Computer Society

Quito, Ecuador — October 10–11, 2011
Co-located with CLEI and LANC

LANOMS 2011

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

- 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

Future Conferences

- ## CNSM 2011 (IEEE/IFIP/ACM SIGCOMM)
  October 24-28, Paris, France

- ## NOMS 2012 (IEEE/IFIP)
  April 16-20, Maui, Hawaii, USA

- ## EUNICE 2012 (IFIP WG6.2 & 6.6)
  August 29-31, Budapest, Hungary

- ## CNMS 2012 (IEEE/IFIP/ACM SIGCOMM)
  TBD

- ## IM 2013 (IFIP/IEEE)
  May 27-31, Ghent, Belgium

- ## NOMS 2014 (IEEE/IFIP)
  TBD

NOMS 2012

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

NOMS 2012

- Paper statistics
  - Overall 241 papers submitted (210 full papers)
  - TPC meeting Monday made the selections (long papers, mini-conference, short papers)
  - Notifications will be sent out soon

IM 2013

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

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

31

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)

Discussion Points

- Quality of Reviews

- TPC members rejecting to review paper but keep submiting

- Trend or artifact
  - # paper submissions in NOMS vs IM

Next Meetings

- Globecom 2011 in Houston
- NOMS 2012 in Hawaii

- AoB

Meeting Attendance (1)

Name	E-mail
CNOM / IFIP 6.6 meeting attendance 25 okt '1.	
Steven Latré	steven.latre@ugent.be
Filip De Turck	filip.deturck@intec.ugent.be
Raf Stadler	stadler@eth.se
Doug Zuckerman	w2xd@aol.com
Brendan Jennings	bjennings@tssg.org
Vincent Wade	Vincent.Wade@CS.TCD.ie
JAMES HONG	Jwkhong@postech.ac.kr
RAMIN SADRE	r.sadre@utwente.nl
GIOVANE MOURA	b.c.m.moura@utwente.nl
Danny Raz	Danny@cs.technion.ac.il
Lisandro Granville	granville@inf.ufrgs.br
LUCIANO GASPARY	paschoal@inf.ufrgs.br

Meeting Attendance (2)

Emil	LUPU	e.c.lupu@imperial.ac.uk
Raouf	BOUTABA	rboutaba@uwaterloo.ca
HANAN	LUTFIYYA	hanan@csd.uwo.ca
CARLOS	SANTOS	CRPSANTOS@INF.UFRGS.BR
Juliano Araujo Wickboldt		jwickboldt@inf.ufrgs.br
RAFAEL	ESTEVES	rpesteves@inf.ufrgs.br
Weverton Luis da Costa Cordeiro		wlccordeiro@inf.ufrgs.br
Morris	SLOMAN	m.sloman@imperial.ac.uk
Jorge	Lobo	jlobo@us.ibm.com
YIXIN	DIAO	diao@us.ibm.com
METIN	FERIDUN	fer@zurich.ibm.com
DREO	GABI	gabi.dreo@unibw.de
Masanori	MIYAZAWA	ma-miyazawa@kddilabs.jp
Michiaki	Hayashi	mc-hayashi@kddilabs.jp
Makoto	Takano	makoto.takano@hco.ntt.co.jp
YOSHIAKI	KIRIHA	y-kiriha@ay.jp.nec.com
Sebastian	Hagen	sebastian.hagen@gmail.com

Meeting Attendance (3)

Prosper Chemouil	prosper.chemouil@orange.com
Piotr Cholde	piotr.cholda@agh.edu.pl
Tore-Marcos Nogueira	
EDMUNDO MADEIRA	EDMUNDO@IC.UNICAMP.BR