



# Joint IFIP WG6.6 & IEEE CNOM meeting

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

May 24, 2011  
Dublin, Ireland

# IFIP/CNOM officers

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- 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: George Pavlou, UCL, UK
  - Technical Program Chair: Lisandro Granville, UFRGS, Brazil
  - Secretary: Brendan Jennings, Waterford Institute of Technology, Ireland

# Retirement of Heinz-Gerd Hegering

- after more than 20 years in various active roles in the network and system management area
- chairman of the board of Leibniz-Supercomputing Centre for more than 20 years
- full professor of the two German elite universities - University of Munich and Technische Universität München
- head of Computer Science Department for more than 14 years
- member of the Board of the German National Research and Education Network for more than 12 years
- head of the German national Gauss Centre for Supercomputing

# Heinz-Gerd Hegering

## in the Management Community

- Founder of the well-known Munich Network Management Team (MNM-Team)
  - extremely successful in the management community
  - Ph. D. advisor for more than 50 Ph. D. dissertations
  - member of IFIP 6.6 and CNOM since 1990
- several times TPC-chair or OC-member for IM, NOMS and DSOM
  - E.g., Technical Program Co-Chair at the 10th Integrated Management Symposium (IM 2007) in Munich
- Editorial Board of Journal of Network and Systems Management and IEEE Transactions on Network and Systems Management
- Winner of **DAN STOKESBERRY AWARD 2001**

# What are we doing?

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- 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

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# Promotion of the N&S management area

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## ■ Websites:

- <http://cnom.tssq.org/>

*New page design, thanks to Brendan Jennings*

*Comments are welcome*

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

Note: Simpleweb website has completely been reorganized

## ■ Mailing lists:

- [ifip\\_nm@lists.utwente.nl](mailto:ifip_nm@lists.utwente.nl)

- [cnom@inf.ufsc.br](mailto: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>

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# Structuring the N&S management research area

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- 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
- 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***

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# Publications in journals

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- 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)
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# IEEE Trans. on Network and Service Management (TNSM)

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- **New Editor-in-Chief: Morris Sloman from Jan 2011**
  - Many Thanks to Raouf for setting this up and fighting it through IEEE processes
- <http://www.comsoc.org/tnsm/>
- TNSM has been reviewed by Thomson for inclusion
- TNSM is already indexed by Elsevier. The indexing began with volume 7 (1).
- TNSM will also be included in EBSCO and ProQuest databases
- Aiko is currently generating the TOCs in the format requested by the DBLP.



# ComMag Network and Service Mgt Series

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- **Feature Editors**

- George Pavlou, UCL, UK, [g.pavlou@ee.ucl.ac.uk](mailto:g.pavlou@ee.ucl.ac.uk)
- Aiko Pras, U. of Twente, [a.pras@utwente.nl](mailto: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

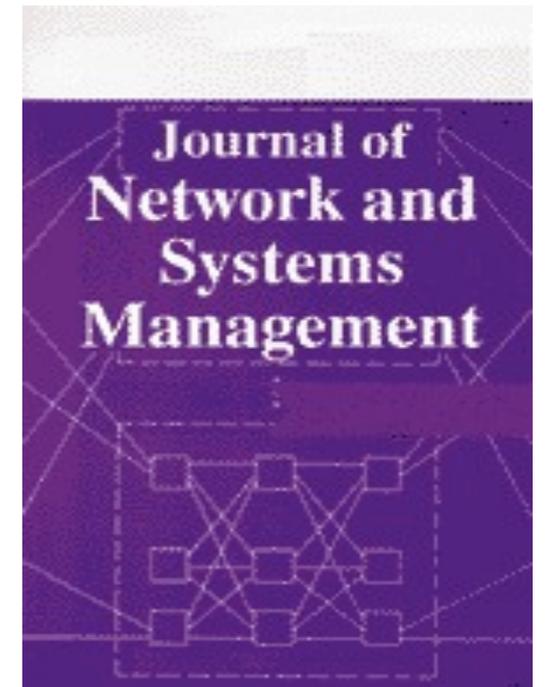
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\* November 2009 issue merged with July 2010

# Journal of Network and Systems Management

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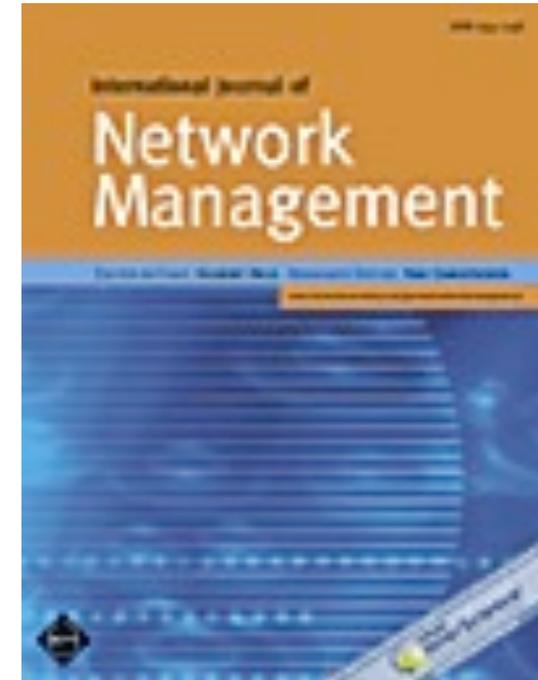
- EiC: Deep Medhi (new)
- Thanks to Manu Malek (former EiC) for serving
- Published by Springer / 4 x year
- ISI Impact factor: 1,356
- Ranked 18 out of 76 (category: Telecom journals)
- 2010 data:
  - Submitted: 160
  - Accepted: 7
  - Rejected: 94
  - Out of scope: 20 (at least)
  - Remaining papers are in various stages of submission (2nd revision, 1st revision, first round of review).



# International Journal of Network Management

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- EiC: Ken Christensen, Ass. Ed: James Hong, Aiko Pras
- Published by Wiley / 6 x year
- Since 2011: online only
- Indexed by ISI since 2008
- First Impact factor: June 2011
- 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)



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# Statistics on Network, systems, and Services Management Community

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- 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
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# 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	-	-	-	-	Xplore	International
CNSM 2011	167 (176 in 2010)	-	-	-	Xplore	A/A+
AIMS 2011	37	12	36	55 (was 41 in 2010)	LCNS	European
IM'2011	160	47	29	310	Xplore	A

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	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	50	14	28	123	LNCS	A
- MMNS	37	13	35			
- IPOM	35	12	34			

# 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 <sub>m</sub>
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

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# DPLB Activity

Regarding DBLP and WG6.6 conferences, we have interacted with Michael Lay and submitted the meta-data for:

- DSOM: 2001
- IM: 1999 and 2001
- LANOMS: 1999, 2001, 2003, 2005, 2007 and 2009
- NOMS-1996.

Until recently, Michael Lay still had to include these in DBLP.

Now we are working on the missing IM'89 and '91

Seems TNSM 2009 and later have recently been added

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# Sponsor conferences

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- Previous events:

- CNSM 2010 (former  
Manweek - IEEE/IFIP)

- October 25-29, Niagara Falls, Canada

- AIMS 2010 (IFIP)

- June 21-25, 2010, Zurich Switzerland

- NOMS 2010 (IEEE/IFIP)

- April 19-23, 2010, Zurich, Swerland

- EUNICE 2010 (IFIP)

- June 28-30, 2010, Trondheim, Norway

- IM 2009 (IFIP/IEEE)

- June 1-5, 2009, Long Island, New York, USA

- AIMS 2009 (IFIP)

- June 30 - July 2, 2009, Enschede, The Netherlands

- EUNICE 2009 (IFIP)

- September 7-9, 2009, Barcelona, Spain

- LANOMS 2009 (IEEE/IFIP)

- October 19-21, Punta del Este, Uruguay

- APNOMS 2009 (IEEE/IFIP)

- September 23-25, 2009, Peonex Island, Jeju, Korea

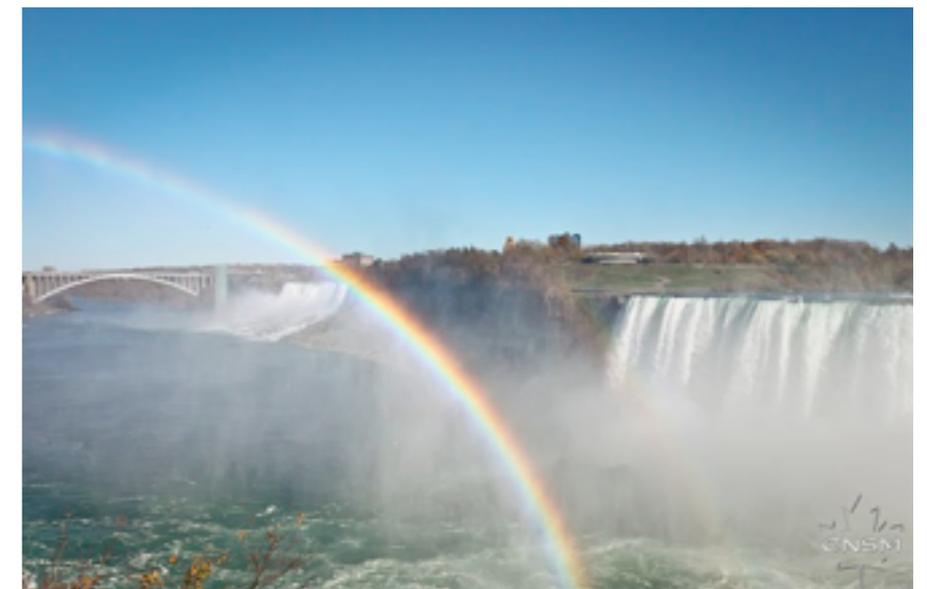
- Manweek 2009 (IEEE/IFIP)

- October 26-30, Venice, Italy

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# CNSM 2010

- 176 submissions
  - 27 papers accepted as full paper (15%)
  - 16 paper accepted for mini-conference (8%)
  - 49 paper accepted as poster paper
- 180 attendees
- Great organization and Location
- Single track well perceived



# Future Conferences

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- Future events:

- 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

- CNSM 2011 (IEEE/IFIP/ACM SIGCOMM)

- October 24-28, Paris, France

- LANOMS 2011 (IEEE/IFIP)

- October 2011, Quito, Ecuador

- NOMS 2012 (IEEE/IFIP)

- April 16-20, Maui, Hawaii, USA

- IM 2013 (IFIP/IEEE)

- May 27-31, Ghent, Belgium

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# IM 2011

## Dublin, Ireland

- May 23-27, 2011, Dublin, Ireland
- hosted by Trinity College Dublin
- General Co-Chair:
  - Vincent Wade**, TCD Dublin, Ireland
  - Sam Samuel**, Bell Labs, Ireland
- Technical Program Co-chairs:
  - **Nazim Agoulmine**, University of Evry, France
  - **Claudio Bartolini**, HP Labs, USA



# AIMS 2011

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## 5<sup>th</sup> International Conference on Autonomous Infrastructure, Management and Security

(1.5 day Single track + 2 days courses & labs)

- 37 papers submitted
- 12 long papers accepted
- June 13-17, 2011, Nancy, France
- Hosted by INRIA & ESIAL
- General Chair: Olivier Festor
- Technical Program Co-chairs:  
Isabelle Chrisment and Alva Couch

<http://www.aims-conference.org/>



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

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- Single Track conference with workshops co-located
- Strong selection ([10-15 %)
- October 25-29, 2010, Paris, France
- <http://www.cnsm2011.org/>
- General Co-Chairs
  - Prosper Chemouil, Orange
  - Ahmed Mehaoua, Paris V Descartes U.
- TPC Co-Chairs
  - Olivier Festor, INRIA
  - Emil Lupu Imperial College London
- **NEW : ACM SIGCOMM Support in 2011**



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

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- Location : Paris Descartes University
  - 167 papers received (175 in 2010)
  - Review phase active
    - 4 reviewers per paper
    - 3-4 reviews per paper
  - 3 workshops
    - DMTF Systems and Virtualization Management (SVM)
    - Network Embedded Management (NEMA)
    - Internet Charging and QoS Technologies (ICQT)
  - IFIP Fall meeting
    - Thursday, October 27<sup>th</sup> & Friday, October 28<sup>th</sup>.
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# APNOMS2011 at Taipei, Taiwan

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- September 21-23, 2011
- Paper submissions : 140+
- Review Phase active



APNOMS 2011

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# IEEE/IFIP NOMS 2012

- 16-20 April 2012
- Westin Maui Resort & Spa – Kaanapali
- CFP issued
- Submission deadline
  - August 22<sup>nd</sup>, 2011



- **GENERAL CO-CHAIRS**

- Douglas N. Zuckerman, Telcordia, USA
- Tom Moore, TropTel, USA

- **TPC CO-CHAIRS**

- Filip de Turck, Ghent University-IBBT, Belgium
- Luciano Paschoal Gaspar, UFRGS, Brazil

# NOMS Deadlines

- **TECHNICAL SESSIONS IMPORTANT DATES**
  - Paper registration & submission: 22 August 2011
  - Notification of acceptance: 31 October 2011
  - Final Camera Ready papers: 5 December 2011
  
- **OTHER SUBMISSIONS**
  - Application sessions: 22 August 2011
  - Workshop proposal: 1 September 2011
  - Tutorial proposals: 5 October 2011
  - Panel proposals: 12 October 2011
  - Dissertation Digest: 2 November 2011

# IM 2013 – Belgium

- Location
  - Ghent v Bruges/Brugge
- General Chair:
  - Piet Demeester
- TPC Chair:
  - Filip De Turck
  -



# CNOM Reps to ICC/Globecom

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- Globecom 2012 – Prof. Lisandro Granville, UFRGS, Brazil, [granville@inf.ufrgs.br](mailto:granville@inf.ufrgs.br)
- ICC 2013 – open
- Globecom 2013 - Michele Nogueira, Federal University of Parana (UFPR), Brazil
- ICC 2014 – Open
- Globecom 2014 - Open

# AoB/Comments

- IEEE Ad-Hoc Committee on Cloud Communications and Networking
  - Chair Marcus Brunner
  - Looking for CNOM representative
  
- Next Meetings
  - ICC, Kyoto
  - CNSM, Paris
  - Globecom,

# CNOM Elections

- Officers till this meeting
  - Chair: Marcus Brunner, NEC, Germany
  - Vice Chair: George Pavlou, UCL, UK
    - Not running again
    - Thanks for the work as VC of CNOM
  - Technical Program Chair: Lisandro Granville, UFRGS, Brazil
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