# 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

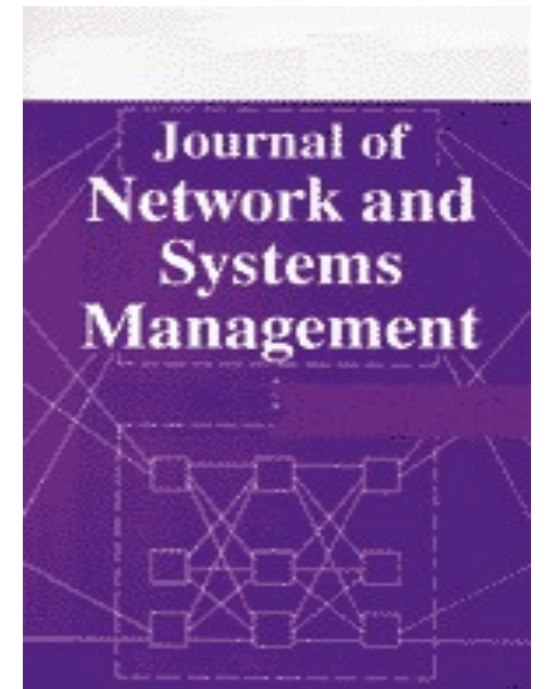| Issue | Published | Submitted | Accepted | Acc. ratio |
|-------|-----------|-----------|----------|------------|
| 1 | October 2005 | 21 | 4 | 19 |
| 2 | March 2006 | 23 | 5 | 22 |
| 3 | October 2006 | 17 | 4 | 24 |
| 4 | April 2007 | 23 | 4 | 17 |
| 5 | October 2007 | 14 | 4 | 29 |
| 6 | April 2008 | 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

# Future Conferences

- Future events:
  - 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

# 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

# Past Conferences - 2010-2009

- # 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

# NOMS 2012

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

# 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)

Gravensteen Castle (1093)

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

IFIP/IEEE INTERNATIONAL SYMPOSIUM ON INTEGRATED NETWORK MANAGEMENT

IM 2013

SMART MANAGEMENT IN A VIRTUALIZED WORLD

IEEE
IEEE COMMUNICATIONS SOCIETY
ifip

www.im2013.org

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