IFIP WG 6.6 & IEEE CNOM
Joint Meeting @ NOMS 2018

Taipei, Taiwan

April, 2018

Meeting Overview

- CNOM & IFIP overview
- Journals + special issues
- Conferences + workshops

CNOM

- IEEE is composed of Societies
  - IEEE Communication Society is composed of technical committees
    - CNOM (Committee on Network Operations and Management) is the technical Committee that deals and network management and operations, and ultimately represents this community in IEEE's structure

CNOM

- CNOM officers (since 05/2017)
  - Chair: *Filip De Turck* – Ghent University - imec, Belgium
  - Vice Chair: *Laurent Ciavaglia* – Noika Bell Labs, France
  - TPC chair: *Carol Fung* – Virginia Commonwealth Univ. USA
  - Secretary: *Carlos Raniery* – UFSM Brazil
- Terms are of two years
- Officers are elected in every IM → Next election @IM 2019

CNOM

- How to participate?
  - Subscribing to the CNOM mailing list
    - http://cnom.committees.comsoc.org go to "Members"
  - Becoming an *Active Member* by satisfying at least one of these conditions in the last two years:
    - Attended (physically or remotely) at least one CNOM meeting
    - Served as TPC or OC member of NOMS/IM, APNOMS, LANOMS
    - Served as an editorial board member or editorial advisory board member of JNSM, TNSM, or IJNM
  - Representing CNOM on ICC and GlobeCom Symposia
    - ICC 2018 – Alberto Egon Schaeffer Filho
    - GlobeCom 2018 – Carol Fung
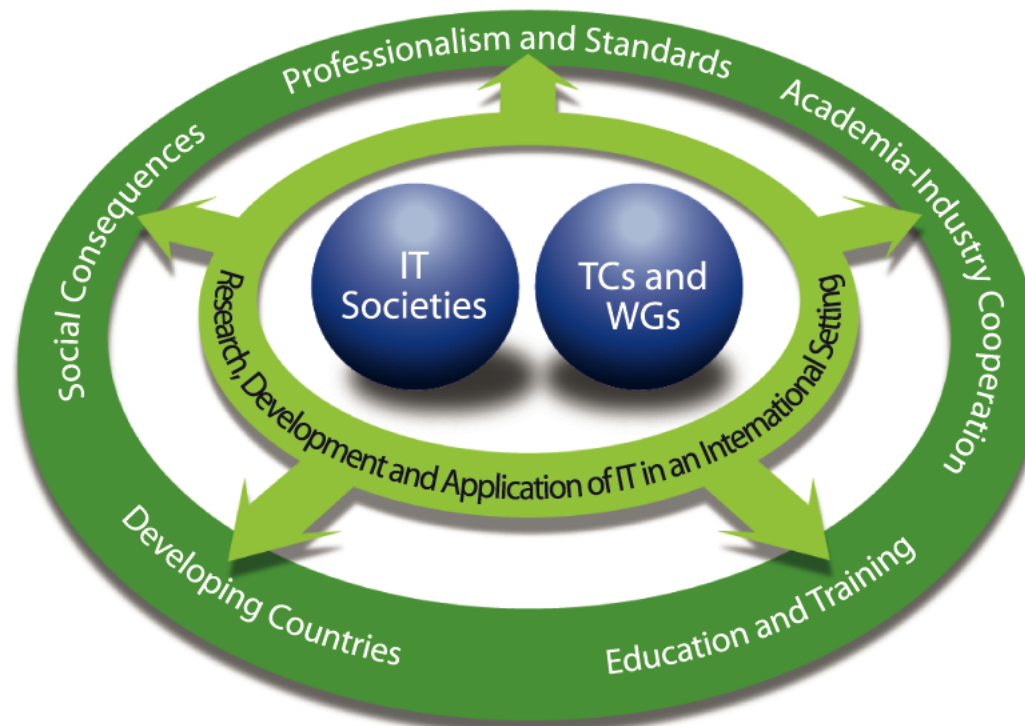   - ICC 2019 is already requesting representatives, please volunteer

**TC 6
WG 6.6
Network &
Service
Management**

ifip

- Non-governmental, not-for-profit umbrella organization of national learned societies working in the field of Information Technology (IT)

- Established in 1960 under the auspices of UNESCO as a result of the first World Computer Congress held in Paris in 1959

ifip
Technical Committees

TC1   Foundations of Computer Science
TC2   Software: Theory and Practice
TC3   Education
TC5   Information Technology Applications

TC6 Communication Systems

TC7   System Modeling and Optimization
TC8   Information Systems
TC9   ICT and Society
TC10   Computer Systems Technology
TC11   Security and Privacy Protection in Information Processing Systems
TC12   Artificial Intelligence
TC13   Human-Computer Interaction
TC14   Entertainment Computing

ifip

TC6

WG 6.1: Architectures and Protocols for Distributed Systems

WG 6.2: Network and Internetwork Architectures

WG 6.6: Management of Networks and Distributed Systems

WG 6.7: Smart Networks

WG 6.8: Mobile and Wireless Communications

WG 6.9: Communications Systems for Developing Countries

WG 6.10: Photonic Networking

WG 6.11: Communication Aspects of the E-World

WG 6.12: Services-Oriented Systems

WG6.6

- Joint work with IEEE CNOM
- Open platform for community building, animation, promotion and structure setting
- Co-organize conferences
- Promote journals
- Sponsor excellence
  - Best paper awards (3-4 per year)
  - Student travel grants (+/- 10 per year)
- All IFIP Fees paid by the Supported Workshops and Conferences are « re-invested » in our conferences for our community
- All the WG6.6 and CNOM involvement is volunteered
- On the IFIP WG6.6 side: encourage the alignment of the WG6.6 supported conferences to the TC6 strategy on the Open Digital Library

What does « WG6.6 Member » mean ?

- *Officers* IFIP WG 6.6
  - –Chair: *Olivier Festor* – TELECOM Nancy, France (until 05/2019, next election @IM'2019)
- *Actively volunteer to*
  - Contribute to reviews of the community conferences/journals
  - Encourage and do submissions to the community events/journals
  - Join TPCs, OCs, …
  - Be active in the mailing-lists
  - Participate to our conferences and meetings

How to get involved?

- *Participate to the WG6.6 Meetings in our conferences*
  - *AIMS*
  - *TMA*
  - *IM/NOMS*
  - *CNSM*
- *React and talk on the mailing list (222 participants)*

  ifip_nm@lists.utwente.nl
- *Visit the web site*
- *Follow us on twitter @ifipwg66*

wg66.ifip.org

IFIP WG6.6 and CNOM Report on

- Journals + special issues
- Conferences + workshops

IEEE Transactions on Network and Service Management (TNSM)

- EiC: Prof. Rolf Stadler

- Associate EiC: Prof. Filip De Turck

- http://www.comsoc.org/tnsm/

- Within our community, highest reputation

- TNSM is indexed by Scopus and many others

	2009	2010	2011	2012	2013	2014	2015	2016
SJR	0.265	0.415	0.423	0.86	0.542	0,764	0,709	0,781
SNIP	0.977	1.159	1.302	2.598	1.647	2.025	2.527	2,229
Citations	32	75	113	146	174	276	385	474

IEEE Transactions on Network and Service Management (TNSM)

- 14 pages
- Regular calls + Special Issues + Best papers selected from IM, NOMS, and CNSM
- Thomson Reuters Impact factor (as of 05/2018): **3,134**
- H-index : 25

IEEE ComMag Network and Service Management Series

- Feature Editors
  - Prof. George Pavlou
    g.pavlou@ee.ucl.ac.uk
    University College London

  - Prof. Jürgen Schönwälder
    j.schoenwaelder@jacobs-university.de
    Jacobs University Bremen

IEEE ComMag Network and Service Management Series

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%
14	July 2012	20	5	25%
15	December 2012	13	3	23%

IEEE ComMag Network and Service Management Series

Issue	Published	Submitted	Accepted	Acc. ratio
16	July 2013	21	4	19%
17	December 2013	22	5	23%
18	July 2014	22	4	18%
19	January 2015	18	3	17%
20	July 2015	16	4	25%
21	January 2016	28	4	14,3%
22	July 2016	16	3	18,8%
23	January 2017	18	2	11,1%
24	July 2017, Vol 55, No.7	23	4	17,4%
25	January 2018, Vol 56, No.1	19	3	15,8%
26	July 2018, Vol 56, No. 7	19	4	21%

Journal of Network and Systems Management (JNSM)

- EiC: Prof. Deep Medhi
- Published by Springer / 4 x year
- Current issue: Volume 26, Issue 101
- ISI impact factor:
  - 0.685 (2008)
  - 1.356 (2009)
  - 0.450 (2010)
  - 0.452 (2011)
  - 0.432 (2012)
  - 0.438 (2013)
  - 0.796 (2014)
  - 1.078 (2015)
  - *1,588 (2016)*
- H5-Index (2016) 14

International Journal of Network Management (IJNM)

- EiC: Prof. James Won-ki Hong
- Associate Editors: Prof. Aiko Pras, Prof. Filip de Turck
- Published by Wiley / 6 x year (since 2011, online only)
- Current issue: Volume 28, Issue 2
- Virtual issues published every year
  - Open Access
  - For the most cited papers
- ISI impact factor:
  - 0.323 (2010)
  - 0.222 (2011)
  - 0.510 (2012)
  - 0.517 (2013)
  - 0.283 (2014)
  - 0,681 (2015)
  - *1,118 (2016)*

Special Issues

- TNSM:
  - Novel Techniques for Managing Softwarized Networks (was: April 15;2018)

- IJNM:
  - QoE-centric Analysis and Management of Communications Networks (due: June 20th 2018)

2017 Conferences

	Submitted	Accepted	A.R.	Attendees	Proceedings
IM 2017	154	44	14,7%	130	Online, Xplore
AIMS 2017	34	8	33,1%	51	LNCS
CNSM 2017					
TMA 2017	54	19	35,2%	90	IFIP DL

IEEE/IFIP NOMS 2018
Cognitive Management in a CyberWorld

- Taipei, Taiwan, April 20-23, 2018

- CFP distributed @IM

- Chairs
  - General Chairs
    - James Won-Ki Hong
    - Yu-Chee Tseng
  - TPC Chairs
    - Chih-Wei Yi (Natl. Chiao Tung Univ., Taiwan)
    - Young-Tak Kim (Yeungnam Univ., Korea)
    - Clarissa Marquezan (Huawei, Germany)

- 189 Technical papers submitted, 56 accepted, 13 Technical sessions
  http://noms2018.ieee-noms.org

AIMS 2018
12th International Conference on Autonomous Infrastructure, Management and Security

- June 4-7, 2018, Munich Germany

- General Chair:
  - Gabi Dreo Rodosek Universität der Bundeswehr München, Germany

- TPC Co-Chairs
  - Martin Drašar Masaryk University, Czech Republic
    Jérôme François Inria, France

  http://www.aims-conference.org/2018/

IFIP TMA 2018

- June 26-29, 2018 Vienna

- Chairs **http://tma.ifip.org/2018**

  - General Chair

    - Pedro Casas, AIT Austrian Institute of Technology (Austria)

  - TPC Chairs

    - Amogh Dhamdhere, CAIDA UC San Diego (USA)

    - Nur Zincir-Heywood, Dalhousie University (Canada)

ITC : International Teletraffic Conference

- September 3-7, 2018, Vienna
- Chairs
  - General Chair
    - Peter Reichl, University of Vienna, Austria
      Tobias Hossfeld, University of Würzburg, Germany
  - TPC Chairs
    - Giuseppe Bianchi, University of Rome Tor Vergata, Italy
      Thomas Zinner, University of Würzburg, Germany
      Eitan Altman, INRIA Sophia-Antipolis, France

https://itc30.org

CNSM 2018

- Rome, Italy, 5-9 or 12-16 November 2018

- Chairs

  - General Chair

    - Stefano Salsano, University of Rome Tor Vergata

  - TPC Chairs

    - Roberto Riggio, CREATE-NET, Italy

    - Toufik Ahmed, University of Bordeaux, France

    - Taghrid Samak, Google, USA

**Submission Deadline
June 12, 2018**

http://www.cnsm-conf.org/2018

CNSM 2018

- **Workshops**
  - **1st International Workshop on High-Precision Networks Operations and Control (HiPNet 2018**
  - **Chairs**
    - **Raouf Boutaba, University of Waterloo, Canada**
      Alexander Clemm, Huawei, USA

Submission Deadline
July 29th, 2018

http://cnsm-conf.org/2018/hipnet2018.html

IFIP/IEEE IM 2019

- 8-12 April, 2019, Washington DC, USA
- Chairs
  - General Chairs : Joe Betser, Carol Fung
  - TPC Chairs
    - Alex Clemm, Jerome Francois, Shingo Ata

**Submission Deadline
August 18, 2018: 23:59 GMT**

http://im2019.ieee-im.org

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THANK YOU!