

Technical Committee on Information Infrastructure (TCIIN)

Minutes from the meeting at GLOBECOM 2015 San Diego, CA, USA.

Monday 07 December 2015, 2:15pm – 4:00pm

Ballroom E, Omni San Diego Hotel

The following meeting agenda was proposed and accepted.

1. Opening / Introduction
2. Approval of the agenda
3. Review / Approval of minutes of last meeting
4. Conference updates:
 - a. GLOBECOM 2014, ICC 2015, GLOBECOM 2015, ICC2016, GLOBECOM 2016, ICC 2017
 - b. TCIIN Flagship event - GIIS 2014, GIIS 2015, GIIS 2016
 - c. Other conferences and workshops endorsed/supported by TCIIN
5. Journal updates
6. Report from our TCIIN Standard Liaison
7. TCIIN 2015 Elections and Results
8. Web site & mailing list
9. Other Business
10. Next TCIIN Meeting
11. Meeting adjourn

1. Opening and introduction

Yacine Ghamri Doudane (Past Chair) welcomed attendees and opened meeting.

Sidi Mohammed Sennouci (Chair) and Rami Langar (Secretary) joined the meeting via Skype.

2. Introduction

All participants introduced themselves. The list of the attendees is given below:

- Yacine Ghamri Doudane, University of La Rochelle, (France), TCIIN Past Chair, yacine.ghamri@univ-lr.fr
- Hassine Moun gla, University of Paris Descartes, hassine.moungla@parisdescartes.fr

- Pascal Lorenz, Univ. of Haute Alsace, Lorenz@ieee.org
- William Liu, Auckland University of Technology, William.liu@aut.ac.nz
- Maode Ma, VTU, emdma@vtu.edu.sg
- Andri Santos, UFPR, andri@inf.ufpr.br
- Periklis Chatzimisios, Alexander Technological Educational Institute of Thessaloniki (Greece), peris@it.teithe.gr
- Burak Kantarci, Clarkson University, bkantarc@clarkson.edu
- Constandinos Mavromoustakis, Univ. Nicosia, marcomoustatis@umic.ac.cy
- Skourletopoulos Georgios, Univ. Nicosia, skourletopoulos.g@unic.ac.cy
- Melike Erol-Kantarci, Clarkson Univ., merolkan@clarkson.edu
- Hossam Hassanein, Queens University, hossam@cs.queensu.ca
- Soumaya Cherkaoui, University of Sherbrooke, Canada, Soumaya.Cherkaoui@USherbrooke.ca
- Adlen Ksentini, University of Rennes 1 (France), adlen.ksentini@irisa.fr
- Jinsong Wu, Univ. of Chile, wujs@ieee.org
- Xi Zhang, Texas A&M Univ., xizhang@ece.tamu.edu
- Azzedine Boukerche, University of Ottawa (Canada), boukerch@site.uottawa.ca

3. Approval of last meeting minutes

The minutes of the last meeting was presented by Yacine Ghamri Doudane and approved by all the participants.

4. Report on conferences

The major events in which TCIIN was/is involved are: GLOBECOM 2014, ICC 2015, GLOBECOM 2015, ICC2016, GLOBECOM 2016, ICC 2017, GIIS 2014, GIIS 2015, and GIIS 2016.

In Globecom 2014 (Austin, YX, USA):

-TCIIN is involved (co-sponsor) in one symposium:

*Selected Area in Communications Symposium: **Nadjib Achir** (Internet of Things Track) and **Stefano Secci** (Cloud Networks Track) are co-charing this symposium with, Frank Effenberger (Access Net. & Sys. Track), Lara Dolecek (Data Storage Track), Joel Rodrigues (e-Health Track), Richard Yu (Green Comms. Track), Mario Kolberg (Hum. Cen. Comms. Track), Dilip Krishnaswamy (Nanotechnology Track), Riccardo Raheli (Power Line Comm. Track), Tomaso de Cola (Satellite & Space Comms. Track). **For IoT Track: Accepted papers: 12,**

Submitted papers: 30. For Cloud Networks Track : Accepted papers: 18, Submitted papers: 45.

In ICC 2015 (London, UK):

-TCIIN is involved (co-sponsor) in one symposium:

*Selected Area in Communications Symposium: **Latif Ladid** (Internet of Things Track) is co-charing this symposium with, Kenichi Higuchi, Tokyo Univ. of Sciences, Khairi Hamdi, Jaafar Elmighani (Green Communications Track), Xinde Hu (Data Storage and Cloud Computing), Hsi-Pin Ma (Communications for E-Health), Bill Lichtensteiger (Communications for the Smart Grid), Tomaso de Cola (Satellite and Space Communications), Jochen Maes (Access Networks and Systems), Andrew Eckford (Nanoscale, Molecular and Quantum Networking), Symeon Papavassiliou (Social Networking), John Mitchell (Millimeter-wave Communications). **Accepted papers: 30, Submitted papers: 76.**

In Globecom 2015 (San Diego, USA):

-TCIIN is involved (co-sponsor) in one symposium:

* Selected Area in Communications Symposium (**Yacine Ghamri-Doudane**, Internet of Things Track), **Submitted papers: 68.**

In ICC 2016 (Kuala Lumpur, Malaysia):

-TCIIN is involved (co-sponsor) in two symposiums:

* Selected Area in Communications Symposium (**Antonio Skarmeta** for Internet of Things Track); **Accepted papers: 23, Submitted papers: 59**

* Symposium on Next-Generation Networking (**Rami Langar**); **Accepted papers: 76, Submitted papers: 195.**

In Globecom 2016 (Washington, USA):

-TCIIN is involved (co-sponsor) in two symposiums:

* Selected Area in Communications Symposium (**Nidal Nasser**, Internet of Things Track and **Nadjib Aitsaadi** for Cloud Networks Track)

* Symposium on Next-Generation Networking (**Rami Langar**)

In ICC 2017 (Paris, France):

-TCIIN nominated 3 members to be co-chair in two symposiums:

* Selected Area in Communications Symposium (**Antonio Jara and Nidal Nasser** for Internet of Things Track and **Papapanagiotou Ioannis** for Cloud Networks Track)

* Symposium on Next-Generation Networking (**Sidi Mohammed Senouci**)

TCI2N flagship event: GIIS2014, GIIS2015, and GIIS 2016:

- GIIS 2014 was held in Montreal (University of Quebec at Montreal, UQAM, Canada). The conference dates are 15-19 September 2014. The program includes 3 Keynotes, 2 Tutorials, 23 full papers with 1 invited paper (38%) + 13 short papers. The number of participants was more than 50 and student volunteers.

- GIIS 2015 was held in Guadalajara, Mexico, given the connection with the IEEE Smart Cities Initiative. The conference was collocated with the first IEEE International Smart Cities Conference (ISC2-2015). The program includes 2 Keynotes, 14 full papers with 1 invited paper (34%) + 5 short papers. The number of participants was more than 40 and student volunteers.

- GIIS 2016 will be held in Porto, Portugal, and hosted in October 2016 by ISEP/GECAD.

TCIIN is also co-sponsoring the following conferences/workshops:

- Wireless Days 2016, March 23-25, 2015 (Toulouse, France)
- CITS 2016, July 6-8, 2016 (Kunming, China)
- Med-Hoc-Net'16, June 17-18, 2015 (Vilamoura, Algarve, Portugal)
- NETGAMES 2015, December 3-4, 2015 (Zagreb, Croatia)
- ICT-27 2015, September 8th-10th, 2015 (Ghent, Belgium)
- IOT 2015, 26-28 October 2015 (Seoul, Korea)
- NOF 2015, 30 September to 2 October 2015, (Montreal, Quebec)
- NTMS 2015, July 27-29, 2015 (Paris, France)
- I4CS 2015, July 8-10, 2015 (Nuremberg, Germany)
- MEDHOCNET 2015, 17-19 June 2015 (Algarve, Portugal)
- NetSoft 2015, 13-17 April 2015 (London, England)
- ICIN 2015, 17-19 February (Paris, France)
- And many others ...

5. Journal updates

TCIIN is also sponsoring some special issues proposals under submission:

- Lead Guest-Editor - « Selection of the best papers from the WF-IoT 2014 conference » Special Issue, IEEE Internet of Things Journal (IoT-J) – (14 papers submitted in May 2014 – 6 papers accepted and published in the June issue).
- Guest-Editor - « Wireless Communications, and Networking Technology towards, Intelligent Internet of Vehicles » Special Issue, Springer/EURASIP Wireless

Communications and Networking (WCN) Journal – on-going (40 papers submitted in August 2014 – 14 accepted with minor/major changes and publication planned on September 2015).

- Guest-Editor - « Feature Topic on Internet of Things/M2M from Research to Standards: The Next Steps » Special Issue - IEEE Communications Magazine (ComMag) – call open (Submission deadline: January 2015 – Publication due : August 2015).
- Elsevier VehCom Journal S.I. on Vehicular Cloud Networking, Paper submission: September 15th 2015, Final papers: January 15th 2016.

6. Report from TCIIN Standard Liaison

Our standard liaison, Periklis Chatzimisios, presented the Standardization activities as follows:

- Establishment of the IEEE Standards Research Group on IoT Communications and Networking Infrastructure. The plan of this Research Group is the following: the expected output is vision documents and publications (this action will be stimulated to organize Workshops and Special Sessions under IEEE ComSoc activities).

The activities are:

- Special Session: “Software Defined Sensors Networks and IoT: perspective and proposals for new standardization activities”
- IEEE Conference on Standards for Communications and Networking (CSCN 2015, October 2015)
- Organizers: Stefano Giordano and Periklis Chatzimisios
- RG Chair: Prof. Stefano Giordano (s.giordano@iet.unipi.it)

- Establishment of the IEEE Standards Research Group on Software Defined and Virtualized Wireless Access. The first F2F meeting was held at IEEE Globecom 2014 (10th December, 9 AM to 10 AM) with the following agenda: (a) Present the current version of the white paper (15 mins) (b) Discuss any papers/presentations from RG members which are potential input to the whitepaper (30 mins) (c) Present the roadmap for completion of the white paper (15 mins).

- The paper entitled “Software Defined and Virtualized Wireless Access in Future Wireless Networks: Scenarios and Standards” is published in IEEE Communication Magazine, vol. 53, issue 6, pp. 26-34, June 2015.

RG Chair: Associate Prof. Fabrizio Granelli (granelli@disi.unitn.it)

- Latest standardization activities: Big Data Initiative - IEEE Big Data Initiative (BDI) Big Data Standards Committee (BDSC)

- WG0 – Definitions & Standards Workshop Organizing Committee
- WG1 – Use Cases and Requirements

- WG2 – Architecture
 - WG3 – Infrastructure
 - WG4 – Networking
 - WG5 – Management
 - WG6 – Analytics
 - WG7 – Security and Privacy (Medical focus first?)
 - WG8 – Sensors and other Devices
- Contact: Prof. Mahmoud Daneshmand (mdaneshm@stevens.edu)

- The 1st IEEE Big Data Initiative (BDI) Standards Workshop (BDISW) was organized in conjunction with the 26th IEEE International symposium on Software Reliability Engineering, NIST, 2 November 2015.

- Other standardization activities related to TCIIN are the following: (i) Third IEEE Workshop on “Telecommunication Standards: From Research to Standards”, part of IEEE Globecom 2014, Austin, TX, USA Workshop Day: 8th December 2014. (ii) A new conference has been established: IEEE Conference on Standards for Communications and Networking, Tokyo, Japan, 28-30 October 2015. The next 2016 edition is under preparation.

<http://www.ieee-cscn.org>

- Two reports of the TCIIN Standards Liaison have been published in IEEE Communication magazine under “Standards News”

7. TCIIN 2015 Elections and Results

New TCIIN officers need to be elected for the term 2016 – 2017. The election committee was composed by: Sidi Mohammed Senouci, Yacine Ghamri Douane and Hossam Hassanein (Chair)

Nominated candidates were:

- Chair: Pascal Lorenz
- Vice-Chair: Rami Langar
- Secretary: Periklis Chatzimisios

After an election process, the new TCIIN officers for the term 2016 – 2017 are:

- Chair: Pascal Lorenz
- Vice-Chair: Rami Langar
- Secretary: Periklis Chatzimisios
- Standard Liaison: Periklis Chatzimisios
- Student Competition Program: Sidi Mohammed Senouci

8. Website and Mailing List

As indicated before, regarding TCIIN recertification, there was a need to address some comments regarding website. A new TC website was designed and moved from <http://www.isat.fr/TCIIN/> to <http://committees.comsoc.org/TCIIN/> (Actual version is available at this link: http://cms.comsoc.org/eprise/main/SiteGen/TC_IIN/Content/Home.html).

The mailing list: tcii.isat@u-bourgogne.fr is continuously updated by the TC secretary. The current membership record: ~700 members.

9. Other Business

No particular point added by the attendance.

10. Next TCIIN Meeting

The next TCIIN meeting will be held during ICC 2016 in Kuala Lumpur, Malaysia. (May 23-27, 2016).

11. Closing

The meeting was adjourned at 4:00pm.