

Technical Committee on Information Infrastructure (TCIIN)

Minutes from the meeting at ICC 2015 London, UK.

Tuesday 09 June 2015, 9:00am – 10:00am

Room London Suites 2 & 3/Level 0, Excel London Convention Center

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. ICC 2014, 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. Web site & mailing list
8. Next TCIIN Meeting
9. Other Business
10. Adjourn

1. Opening and introduction

Sidi Mohammed welcomed attendees and opened meeting.

2. Introduction

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

- Sidi-Mohammed Senouci, University of Bourgogne, (France), TCIIN Chair, Sidi-Mohammed.Senouci@u-bourgogne.fr
- Rami Langar, UPMC (France), TCIIN Secretary and preparing these minutes, rami.langar@lip6.fr
- Otto Duarte, UPFR (Brazil), otto@gta.ufjf.br

- Cheng Li, Memorial University (Canada), licheng@mun.ca
- Adlen Ksentini, University of Rennes 1 (France), adlen.ksentini@irisa.fr
- Lynda Mokdad, University of Paris 12 (France), Lynda.Mokdad@univ-paris12.fr
- Azzedine Boukerche, University of Ottawa (Canada), boukerch@site.uottawa.ca
- Jalel Ben-Othmane, University of Paris 13, jbo@univ-paris13.fr
- Rolland Vida, Budapest University (Hungary), vida@tmit.bme.hu
- Hossam Hassanein, Queens University, hossam@cs.queensu.ca
- Luiji Fratta, Politecnico di Milano, fratta@elet.polimi.it
- Yacine Challal, University of Compiègne (France), ychallal@hds.utc.fr
- Periklis Chatzimisios, Alexander Technological Educational Institute of Thessaloniki (Greece), peris@it.teithe.gr

3. Approval of last meeting minutes

The minutes of the last meeting was presented by Sidi Mohammed and approved by all the participants.

4. Report on conferences

The major events in which TCIIN was/is involved are: ICC 2014, GLOBECOM 2014, ICC 2015, GLOBECOM 2015, ICC2016, GIIS 2013, GLOBECOM 2016, ICC 2017, GIIS 2014, GIIS 2015, and GIIS 2016.

In ICC 2014 (Sydney, Australia):

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

* Selected Area in Communications Symposium: **Khaled Boussetta** (Internet of Things Track) is co-charing this symposium with, Brian M. Kurkoski (Data Storage Track), Nazim Agoulmine (e-Health Track), Vincent Guillet (Communications for the Smart Grid Track), Igor Bisio (Satellite & Space Communication Track), Jaafar Elmighani (Green Communications and Computing Track), John S. Thompson (Green Communications and Computing Track), Yonggang Wen (Cloud Computing Track), Tarek S. El-Bawab (Access Networks and Systems Track), Tadashi Nakano (Nanoscale, Molecular, and Quantum Net. Track), Neeli Prasad (Social Networking Track).
Accepted papers: 8, Submitted papers: 23.

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 Jara** for Internet of Things Track and **Michele Nogueira** for Cloud Networks Track)

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

In Globecom 2016 (Washington, USA):

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

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

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:

- The sixth edition GIIS 2014 will be 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: the city of Tlemcen in Algeria was the first location agreed during ICC2014 (Sydney). For security reasons, the steering committee decided to change the location. The second location was Wuxi (China) but cancelled due to the delay to have a positive feedback from EITC (Economic and Information Technology Committee). The new location is Guadalajara, Mexico, given the connection with the IEEE Smart Cities Initiative. The conference will be collocated with the first IEEE International Smart Cities Conference (ISC2-2015)

- Conference Dates: October 28-30, 2015
- Paper submission: July 13, 2015
- Acceptance Notification: September 7, 2015
- Camera Ready Due: September 27, 2015
- Authors Registration Deadline: September 27, 2015

- GIIS 2016: potential locations are: Wuxi (China), Portugal, Lebanon, Tunisia, and Morocco.

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

- 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)
- ITC 2014, 09-11 September, 2014 (Karlskrona, Sweden)
- NOF 2014, 3-5 December, 2014 (Paris, France)
- Wireless Days (WD 2014), November 12-14, 2014 (Rio de Janeiro, Brazil)

- I4CS 2014, June 04-06, 2014 (Reims, France)
- WPMC 2014, September 07-10, 2014 (Sydney, Australia)
- CCEM 2014, October 15-17, 2014 (Bangalore, India)
- And many others ...

5. Journal updates

TCIIN is also sponsoring some special issues proposals under submission:

- Guest-Editor – “Elsevier VehCom Journal S.I. on Vehicular Cloud Networking”, Paper submission: August 15th 2015, Final papers: December 15th 2015, expected publication date: February 15th 2016.
- Guest-Editor – “ Elsevier Ad hoc Networks SI on IoT security and privacy : design methods and optimization” 2015: (40 papers submitted, 7 accepted).
- 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).
- 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).
- 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 - « Connected vehicles », Speial Issue - REE (Revue de l’Electricité et de l’Electronique) - October, 2014.

6. Report from our new 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 planned 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

- Organizers: Stefano Giordano and Periklis Chatzimisios (Deadline 15th June!)
- 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 white paper entitled “Software Defined and Virtualized Wireless Access in Future Wireless Networks: Scenarios and Standards” has been accepted for publication in IEEE Communication Magazine, 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)

- 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 (Submission deadline 15th June!)

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

7. **New: TCIIN News letter**

Sidi Mohammed Senouci proposes to setup a newsletter for this committee. The aim is to disseminate information of interest of the committee membership. This newsletter will be distributed on the mailing list as well as posted on the web page. One of the editors is Nidal Nasser (TCIIN VC). Sidi Mohammed Senouci, asked if there are any other volunteers? No volunteer was identified and Sidi Mohammed Senouci proposes to ask for volunteers in the next TCIIN meeting in San Diego, CA, USA.

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: tciin.isat@u-bourgogne.fr are continuously updated by the TC secretary (Rami Langar). The current membership record: ~700 members.

9. Next TCIIN Meeting

The next TCIIN meeting will be held during GLOBECOM 2015 in San Diego, CA, USA. (December 6-10, 2015).

10. Other Business

No particular point added by the attendance.

11. Closing

The meeting was adjourned at 10:00am.