

IEEE Technical Committee on Cognitive Networks (TCCN)

Meeting at IEEE Globecom 2016, Washington, DC, USA

**Held on Monday 5th December 2016, 14:30-15:30 (local time)
Held in the Gunston (West & East) Room of the Washington Hilton**

Minutes prepared 23 January 2016

Minutes prepared by Oliver Holland, King's College London, IEEE TCCN Secretary

Agenda

1. Welcome and Introduction
2. Roll Call
3. Approval of the Agenda
4. Approval of the ICC 2016 (May 2016) TCCN meeting minutes
5. Administrative matters
 - a. Introduction of new Officers for the 2017-2018 term of office
 - b. Report on website (Vijay Rao, TU Delft)
6. Reports on Special Interest Groups (SIGs)
 - a. Cognitive Network Security SIG (K.P. (Suba) Subbalakshmi, Stevens Institute of Technology)
 - b. Cognitive Radio for 5G SIG (Diep Nguyen, University of Technology Sydney)
7. Reports on standards activities
 - a. IEEE DySPAN-SC/1900 activities (Oliver Holland, King's College London)
 - b. IEEE 802.22 activities (Apurva Mody, BAE Systems)
8. Reports on conferences
 - a. ICC 2017 Cognitive Radio and Wireless Networks Symposium (Oliver Holland, King's College London)
 - b. DySPAN 2017 (Oliver Holland, King's College London)
9. Reports on publications
 - a. Transactions on Cognitive Communications and Networks (Michele Zorzi, University of Padova)
 - b. TCCN Newsletter (Jianwei Huang, Chinese University of Hong Kong)
10. Next TCCN Meeting
11. Any other business

Meeting Minutes

1. Welcome and Introduction

The meeting convened at 14:35 local time.

Ying-Chang Liang (I2R, Singapore) introduced himself as Chair and the other Officers of TCCN. The meeting recorder was Oliver Holland (TCCN Secretary).

There was a quick introduction from each participant attending in the room.

2. Roll Call

Attendance was taken by an attendance sheet which was passed round and completed/signed, given the high number of participants. TCCN provided the opportunity to participants to connect by remote means (GoToMeeting) to participate in the meeting. Participants by remote means were also captured in the attendance list, and verified by attendance records of the utilized GoToMeeting tool.

3. Approval of the Agenda

The Agenda was presented by the Chair and Secretary. A motion was invited to approve the Agenda. R. R. Venkatesha Prasad moved, and K. P. Suba Subbalakshmi seconded. There were no objections, and no abstentions. The Agenda was unanimously approved.

4. Approval of the ICC 2016 (May 2016) TCCN meeting minutes

Attention was drawn to the Minutes of the TCCN meeting at ICC 2016, available here: http://cn.committees.comsoc.org/files/2016/05/ICC16_TCCN_Minutes.pdf. A motion was invited to approve the Minutes. Jianwei Huang moved, and Yue (Frank) Gao seconded. There were no objections, and no abstentions. The Minutes were unanimously approved.

5. Administrative matters

a. Introduction of new Officers for the 2017-2018 term of office

Ying-Chang Liang briefly introduced the new Officers for the 2017-2018 term and thanked the current Officers. The new Officers each quickly overviewed their records/capabilities and thanked the membership for the support.

b. Report on website

Vijay Rao (Delft University of Technology) presented an update and reminder on the capabilities of the TCCN website, with the slideset available here: http://cn.committees.comsoc.org/files/2016/11/GC16_Website-update_Rao.pdf. This provided detail on some of the updates to the website (e.g., new content such as the Newsletter, having been added), its listing on Google, and a call for content, among other items. There were no questions on this presentation.

6. Reports on Special Interest Groups (Cognitive Security, Cognitive Radio for 5G)

The Chair reminded attendees about the concept of Special Interest Groups (SIGs) within TCCN, including their purposes and characteristics.

K.P. (Suba) Subbalakshmi (Stevens Institute of Technology) presented the activities report for the SIG on Cognitive Security. The slides are available here: http://cn.committees.comsoc.org/files/2016/11/GC16_SecIG_KPS.pdf. Detail was provided about the blog on cognitive radio networking and security, <https://cognitiveradiosec.wordpress.com>, and its Editorial Board, purpose, a new special issue call for papers, information on participation, among other items. There were no comments or questions.

Diep Nguyen (University of Technology Sydney) presented the activities report for the SIG on Cognitive Radio for 5G. The slides are available here: http://cn.committees.comsoc.org/files/2016/11/GC16_SIG_CR_for_5G_Nguyen.pdf. The presentation recalled the white paper on “Novel Spectrum Usage Paradigms for 5G”, and reminded on other initiatives such as the remote workshops. There were no comments or questions.

7. Reports on Standards Activities (IEEE DySPAN-SC/1900, IEEE 802.22)

Oliver Holland (King’s College London) presented a report the latest status of the IEEE DySPAN-SC and IEEE 1900 Standards Working Groups. The slides are available here: http://cn.committees.comsoc.org/files/2016/11/GC16_DySPAN-SC_Update_Holland.pdf. He provided an overview of the structure of DySPAN-SC and the IEEE 1900 working groups, their topics and purposes, their latest activities, and other items. There were no comments or questions.

Apurva Mody (BAE Systems) was scheduled to report on IEEE 802.22 activities. However, Apurva was not able to attend, and it was discovered retrospectively that this was because of an unexpected schedule clash.

8. Reports on conferences (ICC 2017, DySPAN 2017)

Oliver Holland (King’s College London) quickly overviewed some detail on the Cognitive Radio and Networks Symposium of IEEE ICC 2017. This covered items such as on the conference parameters, location, number of papers submitted (91), number of TPC members (108), etc. There was a question on the expected acceptance rate; Oliver confirmed that the acceptance rate is expected to be in the range of 30-40%. (Nb. After the review process it turned out to be 36%)

Oliver Holland (King’s College London) quickly overviewed some detail on the IEEE DySPAN 2017. This covered items such as on the conference characteristics, the number of submitted papers in the various tracks and forms of participation (54 total papers submitted), the review process, and other items. There was a comment on submissions generally being low to TCCN-related activities; Oliver responded that he had noticed this in various stats he had access to, however, this was likely due to the progression of interest as CR/DSA, etc., technologies develop into fruition in real deployments.

9. Reports on publications (Transactions on Cognitive Communications and Networks, TCCN Newsletter)

Michele Zorzi (University of Padova) provided an update on the IEEE Transactions on Cognitive Communications and Networks (*it is noted that due to a scheduling clash with another parallel meeting this was presented at the start of this meeting, after the approval of ICC 2016 minutes, despite being covered here*): http://cn.committees.comsoc.org/files/2016/11/GC16_TCCN_Zorzi.pdf. Extensive detail was provided on aspects such as the aim and scope, editorial board, current status of published editions

and further editions, paper submission/acceptance/rejection and other statistics, and calls for submissions, among other items.

Jianwei Huang (Chinese University of Hong Kong) presented the TCCN Newsletter update: http://cn.committees.comsoc.org/files/2016/11/GC16_Newsletter_Huang.pdf. His presentation covered items such as its purpose of the newsletter, detail on the published issues including the latest issue from September 2016 and the interesting topic of Q&As for some key people working in areas of TCCN. It also presented some as ideas for future issues.

10. Next TCCN Meeting

It was announced that the next meeting will be in the IEEE ICC 2017 conference (21-25 May 2017, Paris, France).

11. Any Other Business

As the meeting was ahead of time on this occasion, the Chair and Secretary attempted to inspire a discussion on appropriate future topics for SIGs. Among the discussions, Oliver suggested an SIG on the regulatory issues/advances that were necessary to realise CR/DSA and related technologies. This discussion continued for some 10 minutes.

The meeting adjourned at 15:30.

Attendance Record (alphabetical order, based on forenames)

| | Name | Affiliation | Email |
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| 1 | Abd-Elhamid Taha | Al Faisal University, Saudi Arabia | hamid.taha@gmail.com |
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