IEEE Technical Committee on Cognitive Networks (TCCN)

Meeting at IEEE ICC 2017, Paris, France

Held on Tuesday, 23 May 2017, 09:00-10:30 (local time) Held in the Bagatelle, Hyatt Regency Etoile

Minutes prepared prepared by Yue Gao, Queen Mary University of London, IEEE TCCN Secretary

Agenda

1. Welcome and introduction
2. Attendance register
3. Approval of the Agenda
4. Approval of the GLOBECOM 2016 (December 2016) TCCN meeting minutes
5. Administrative matters
   a. Recertification, by Jianwei Huang, The Chinese University of Hong Kong
   b. Report on website, by Vijay Rao, Delft University of Technology
   c. LinkedIn and Facebook, by Zhijin Qin, Imperial College London
6. Reports on Special Interest Groups (SIGs)
   a. Cognitive Network Security SIG, by K.P. (Suba) Subbalakshmi, Stevens Institute of Technology
   b. Cognitive Radio for 5G SIG, by Diep Nguyen, University of Technology Sydney
   c. New SIG: Data-Driven Cognitive Networks, by Li-Chun Wang, National Chiao Tun University
7. Reports on standards activities
   a. ComSoc Standards, DySPAN-SC/1900 standards and IEEE 802.22 activities by Oliver Holland, King's College London
8. Reports on conferences
   a. GLOBECOM 2017 Cognitive Radio and Wireless Networks Symposium, by Jianwei Huang, The Chinese University of Hong Kong
9. Reports on publications
   a. Transactions on Cognitive Communications and Networking, by Michele Zorzi, University of Padova
   b. TCCN Newsletter, by Walid Saad, Virginia Tech University
10. Next TCCN Meeting
11. Any other business

Meeting Minutes

1. Welcome and Introduction

The meeting convened at 09:10 local time.

Jianwei Huang introduced himself as Chair and the other Officers of TCCN. The meeting recorder was Yue Gao.

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. There were no objections, and no abstentions. The Agenda was unanimously approved.

4. Approval of the GLOBECOM 2016 (December 2016) TCCN meeting minutes

Attention was drawn to the Minutes of the TCCN meeting at GLOBECOM 2016, available here: http://cn.committees.comsoc.org/files/2016/11/GC16_MoM.pdf. There were no objections, and no abstentions. The Minutes were unanimously approved.

5. Administrative matters

a. Report on website

Vijay Rao (Delft University of Technology) presented an update and reminder on the capabilities of the TCCN website, with the slide set available here: http://cn.committees.comsoc.org/files/2015/11/ICC17_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.

b. Report on LinkedIn and Facebook,

Zhijin Qin (Imperial College) presented an update and reminder on TCCN LinkedIn and Facebook: http://cn.committees.comsoc.org/files/2017/05/ICC17_5c.pdf. This provided detail on some of the updates to the LinkedIn and Facebook groups. The post on the LinkedIn group should be made to the public. We could add the banner at the bottom of the email of the TCCN mailing list about our LinkedIn Facebook and other related groups. There were no other questions on this presentation.

6. Reports on Special Interest Groups

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) sent her slides, which were presented by Jianwei Huang on behalf of Suba. The activities report for the SIG on Cognitive Security. Detail was provided about the blog on cognitive radio networking and security, http://cn.committees.comsoc.org/files/2017/05/ICC17_6a.pdf, 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 presentation covered potential interested crowd-source real-time spectrum sensing, http://cn.committees.comsoc.org/files/2017/05/ICC17_6b.pdf. There were no comments or questions.

Li-Chun Wang (National Chiao Tung University) presented the newly established SIG: Data-Driven Cognitive Networks (D2CN). The presentation covered Data are collected from various sources, including radio channels, user locations, service access data, social networking data, network-status and management data and a revolution in CRN from a traditional knowledge-driven CRN into a more powerful data-driven CRN. This sig provides a platform on the development of DDCN, including key technologies, data sharing opportunities and future research directions. YC Liang suggested that we could propose an industry panel on Data-driven at IEEE GLOBECOM 2017.

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 IEEE 1900 Standards Working Groups, and the IEEE 1900 working groups, their topics and purposes, their latest activities, and other items. The slides are available here: http://cn.committees.comsoc.org/files/2017/05/ICC17_7.pdf, http://cn.committees.comsoc.org/files/2017/05/ICC17_7b.pdf , http://cn.committees.comsoc.org/files/2017/05/ICC17_7c.pdf There were no comments or questions.

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

Jianwei Huang (Chinese University of Hong Kong) quickly overviewed some detail on the Cognitive Radio and Networks Symposium of IEEE GLOBECOM 2017. This covered items such as on the conference parameters, location, number of papers submitted (88), number of TPC members (166+8), etc.

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

Michele Zorzi (University of Padova) sent the slide to us. Due to a scheduling clash with another parallel meeting, Jianwei Huang (Chinese University of Hong Kong) presented it on behalf, and covered an update on the IEEE Transactions on Cognitive Communications and Networks: http://cn.committees.comsoc.org/files/2017/05/ICC17_TCCN_Zorzi.pdf. Extensive detail was provided on aspects such as the aim and scope, editorial board, current status of published editions.

Walid Saad (Virginia Tech) could attned the meeting in person, and had sent the slides about the TCCN Newsletter. Jianwei Huang (Chinese University of Hong Kong) presented the TCCN Newsletter update on behalf: http://cn.committees.comsoc.org/files/2017/05/ICC17_9b.pdf. Items such as its purpose of the newsletter, detail on the published issues including the latest issue 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 GLOBECOM 2017 conference (4-8 December 2017, Sigapore).

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, Symposium Chairs recommendation. This discussion continued for some 30 minutes.

The meeting adjourned at 11:00.