

IEEE Technical Committee on Cognitive Networks (TCCN)

Meeting at IEEE ICC 2016, Kuala Lumpur, Malaysia

Held on Tuesday 25th May 2016, 15:30-16:30 (local time)
Held in the Quartz Room of the Mandarin Hotel

Minutes prepared 19 August 2016

Agenda

1. Welcome and Introduction
2. Roll Call
3. Approval of the Agenda
4. Approval of the Globecom 2015 (December 2015) TCCN meeting minutes
5. Administrative matters
 - a. Report on website (Vijay Rao)
6. Reports on Special Interest Groups
 - a. Report on Cognitive Network Security SIG (K. P. (Suba) Subbalakshmi—presenter Oliver Holland)
 - b. Report on SIG on Cognitive Radio for 5G (Markus Mueck—presenter Oliver Holland)
7. Reports on standard activities
 - a. Update on IEEE DySPAN-SC/1900 activities (Oliver Holland)
 - b. Update on IEEE 802.22 activities (Apurva Mody)
8. Reports on conferences
 - a. Globecom 2016 Cognitive Radio and Wireless Networks Symposium (Lingyang Song)
9. Reports on publications
 - a. Transactions on Cognitive Communications and Networks (Michele Zorzi—presented immediately after the “Administrative matters” at the start of the meeting, due to scheduling challenges of presenter)
 - b. TCCN Newsletter (Jianwei Huang—presented immediately after the “Administrative matters” at the start of the meeting, due to scheduling challenges of presenter)
10. Next TCCN Meeting
11. Any other business

Meeting Minutes

1. Welcome and Introduction

The meeting convened at 15:35 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).

2. Roll Call

There was no Roll Call, given the high number of participants. Instead, an attendance sheet was passed round on which attendees signed for their attendance. Furthermore, 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.

3. Approval of the Agenda

The Agenda was presented to the attendees by the Secretary, under instruction from the Chair. A motion was invited to approve the Agenda. Ekram Hossein moved, and Yue (Frank) Gao seconded. There were no objections, and no abstentions. The Agenda was unanimously approved.

4. Approval of the Globecom 2015 TCCN Meeting Minutes

Attention was drawn to the Minutes of the TCCN meeting at Globecom 2015, available here: http://cn.committees.comsoc.org/files/2015/11/GC15_TCCN_meeting_minutes.pdf. A motion was invited to approve the Minutes. Yue (Frank) Gao moved, and Lingjie Duan seconded. There were no objections, and no abstentions. The Minutes were unanimously approved.

5. Administrative matters

i. Report on website

Vijay Rao (Delft University of Technology) presented information on the new TCCN website, with the slideset available here: http://cn.committees.comsoc.org/files/2016/05/ICC16_Website_update.pdf. This provided detail on some of the technical capabilities of the website, and a call for content, among other items.

9 (note: was moved to this point in the proceedings due to scheduling challenges of both presenters of Item 9 given parallel activities at the conference). 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: http://cn.committees.comsoc.org/files/2016/05/ICC16_TCCNZorzi.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/2016/05/ICC16_TCCN-Newsletter_Report.pdf. His presentation covered items such as its purpose of the newsletter, detail on the first published issue from December 2015 and the Special Issues content therein, and detail on the second issue and the interesting topic of Q&As for some key people working in areas of TCCN, as well as ideas for future issues.

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

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

Oliver Holland presented the activities report for the SIG on Cognitive Security on behalf of K.P. (Suba) Subbalakshmi (Stevens Institute of Technology). The slides are available here: http://cn.committees.comsoc.org/files/2016/05/ICC16_SecIG.pdf. Detail was provided about the blog on cognitive radio networking and security, <https://cognitiveradiosec.wordpress.com>, and its Editorial Board, purpose, and linking with the TCCN site. Information was provided on how to contribute and get involved with the blog.

Oliver Holland presented the activities report for the SIG on Cognitive Radio for 5G on behalf of Markus Mueck (Intel). The slides are available here: http://cn.committees.comsoc.org/files/2016/05/ICC16_TCCN_SIG_CR_for_5G_Update.pdf. The presentation recalled the white paper on “Novel Spectrum Usage Paradigms for 5G”, but highlighted that additional efforts currently are not generating traction. However, the SIG is still seen as highly useful and relevant, and is holding various meetings to enhance collaboration (e.g., one attempted on 25 January 2016, and building up traction with more).

The Chair asked the participants if they want to propose any new SIGs. None were proposed.

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

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/2016/05/ICC16_DySPAN-SC_Update.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.

Apurva Mody (BAE Systems) presented a report on IEEE 802.22 activities. The slides are available here: http://cn.committees.comsoc.org/files/2016/05/ICC16_Mody-802.22-SC6-Overview-Jan-18-2016.pdf. The content included IEEE 802.22’s placing within the IEEE standards and 802 activities, its latest initiatives and standards, and touched on some of the technical details of the standards and the justifications/reasoning thereof.

8. Reports on conferences (Globecom 2016)

Linyang Song (Peking University) verbally overviewed some detail on the Cognitive Radio and Networks Symposium of IEEE Globecom 2016. This covered items such as on the dimensions of the symposium (submissions, acceptance ratio, etc.), and other aspects of planning.

(note, Item 9. was covered earlier in proceedings due to scheduling challenges of presenters)

10. Next TCCN Meeting

It was announced that the next meeting will be in the IEEE Globecom 2016 conference (4-8 December 2016, Washington, DC, USA).

11. Any Other Business

There was no other business. The meeting adjourned at 16:40.

Attendance Record (alphabetical order, based on forenames)

	Name	Affiliation	Email
1	Andres Kwasinski	Rochester Institute of Technology, USA	andres.kwasinski@rit.edu
2	Apurva Mody	BAE Systems, USA	apurva.mody@baesystems.com
3	Changkun Jiang	Chinese University of Hong Kong	jiangchangkun@gmail.com
4	Chia-Han Lee	Academia Sinica, Taiwan	chiahhan@citi.sinica.edu.tw
5	Dirk Slock	Eurecom, France	slock@eurecom.fr
6	Dongwei Zhao	Chinese University of Hong Kong	seanighting@gmail.com
7	Ekram Hossein	University of Manitoba, Canada	ekram.hossain@umanitoba.ca
8	Frank Li	University of Agder, Norway	frank.li@uia.no
9	Hao Wang	Chinese University of Hong Kong	haowang.sjtu@gmail.com
10	Jamal Ahmed Hussein	Newcastle University, UK	j.hussein@ncl.ac.uk
11	Jianwei Huang	Chinese University of Hong Kong, Hong Kong	jwhuang@ie.chuk.edu.hk
12	Jie Xu	Singapore University of Technology and Design, Singapore	jiexu.ustc@gmail.com
13	Junlin Yu	Chinese University of Hong Kong	yujunlintc@gmail.com
14	Kwang-Cheng Chen	National Taiwan University, Taiwan	ckc@ntu.edu.tw
15	Lin Gao	Chinese University of Hong Kong	gaolin021@gmail.com
16	Lingjie Duan	Singapore University of Technology and Design, Singapore	lingjie_duan@sutd.edu.sg
17	Lingyang Song	Peking University, China	lingyang.song@pku.edu.cn
18	Man Hon Cheung	Chinese University of Hong Kong	mhcheung.ece@gmail.com

19	Michele Zorzi	University of Padova, Italy	zorzi@dei.unipd.it
20	Ming Tang	Chinese University of Hong Kong	tangmingscu@gmail.com
21	Mohammed Adel Rashed	Higher Technological Institute, Egypt	mohammed.adel@hti.edu.eg
22	Octavia Dobre	Memorial University, Canada	odobre@mun.ca
23	Oliver Holland	King's College London, UK	oliver.holland@kcl.ac.uk
24	Scott Fowler	Linkoping University, Sweden	scott.fowler@liu.se
25	Shui Yu	Deakin University, Australia	syu@deakin.edu.au
26	Song Guo	University of Aizu, Japan	sguo@u-aizu.ac.jp
27	Takeo Fujii	University of Electro-Communications, Japan	fujii@awcc.uec.ac.jp
28	V.R.Venkatesha Prasad	Delft University of Technology, Netherlands	rvprasad@ieee.org
29	Vijay Rao	Delft University of Technology, Netherlands	v.rao@tudelft.nl
30	Wei Chen	Tsinghua University, China	wchen@tsinghua.edu.cn
31	Xiangwei Zhou	Louisiana State University, USA	xwzhou@lsu.edu
32	Yevgeni Koucheryavy	Tampere University of Technology, Finland	yk@cs.tut.fi
33	Yuan Luo	Chinese University of Hong Kong	luoyuan200877@gmail.com
34	Yue Gao	Queen Mary University of London, UK	yue.gao@qmul.ac.uk
35	Yun Liao	Peking University, China	yun.liao@pku.edu.cn
36	Zhang Meng	Chinese University of Hong Kong	jackey_zm@hotmail.com
37	Zhou Su	Shanghai University, China	zhousu@ieee.org