

# **Meeting Minutes**

## **1. Welcome and Introduction**

Yue Gao initiated the TCCN meeting. The meeting recorder was Yuan Ma.

Yue Gao as the Chair introduced the key information regarding the TCCN committee and this meeting, including the officers of term 2019-2020, the agenda of this meeting, the scope of TCCN, and the activities of TCCN such as awards (recognition award and publication award), current Special Interest Groups (SIGs), nominations for ICC/GC symposium chairs and ComSoc distinguished lecturers, and IEEE fellow endorsements.

As President Chan attended this meeting, he also gave his advice. Based on the emerging technologies, such as networking intelligence and machine learning for communications, President Chan suggested that cognitive networking should span from the physical layer to application layer as it is important to sense the applications, predict, and adapt to it in the future. To make the influence known to more community, President Chan recommended to run special conference and virtual meeting every few month so as to involve more people to have more discussions.

## **2. Attendance Register (Roll Call)**

As it is inconvenient to sign on the attendance sheet in the online meeting, the attendance registration was done through sending the email to Yue Gao with the information of the name and affiliation during the meeting period. TCCN also provided the opportunity to participants to connect by remote means to participate in the meeting. Participants by remote means were also captured in the attendance list. No participant attends from roll call.

## **3. Approval of the Agenda**

The Agenda was presented by the Chair, moved by Alagan Anpalagan, and seconded by Daniel B. da Costa. There were no objections, and no abstentions. The Agenda was unanimously approved.

## **4. Approval of the GLOBECOM 2019 (December 2019) TCCN meeting minutes**

Attention was drawn to the Minutes of the TCCN meeting at GLOBECOM 2019. There were no objections, and no abstentions. The Agenda was unanimously approved.

## **5. Reports on Special Interest Groups**

Daniel Benevides da Costa (UFC) presented the SIG on Energy-harvesting Cognitive Radio Networks. He introduced the scope and objectives, chair and senior advisor, activities in 2018 and 2019, and future activities in 2020.

Yong Li (Tsinghua University) presented the SIG on Data-Driven Cognitive Networks. He introduced the chair group, senior advisor and member, scope and objectives, workshop activities, tutorial activities, datasets and open code, journal SI activities, and upcoming workshop proposal submission. President Chan emphasized the importance of live data and introduced that he has also negotiated with the industry to release more network data and open access these data for algorithms to improve the performance.

Li Wang (Beijing University of Post and Telecommunications) presented the SIG on Social

Behaviour Driven Cognitive Radio Networks. She introduced the chairs, previous activities, and recent updates on the special issue of IEEE Wireless Communications and workshop on MobiQuitous, and the ongoing activities of special issue on Computer Networks. Li Wang raised her question that if they should rename the SIG to involve more emerging technologies. Chair Yue Gao recommended to keep the same name but refresh the activities through setting up a new SIG or virtual meetings to call for interests and discuss the related topics.

Kai Yang (Tongji University) presented the SIG on AI Embedded Cognitive Networks. He introduced the officers and advisors, funding members, and activities.

K.P. (Suba) Subbalakshmi (Stevens Institute of Technology) presented the SIG on Cognitive Network Security, including the chair, members and activities.

#### **6. Reports on conference (GLOBECOM 2020 CRAEN Symposium Review)**

Julian Cheng (UFC) presented the slides on Cognitive Radio and AI-Enabled Networks (CRAEN) Symposium of IEEE GLOBECOM 2020. This covered information such as the symposium chairs, TPC members, review process, number of paper submissions, author distribution, and some remarks. Julian Cheng also discussed if the authors of selected papers could submit an extended version to TCCN. Ying-Chang Liang suggested that all papers were welcomed for submission, but it is difficult for fast-track review due to the different system of EDAS and ScholarOne. Yue Gao recommend more promotions of the CRAEN symposium to attract more submissions.

#### **7. Reports on publications (Transactions on Cognitive Communications and Networks, TCCN Newsletter)**

Ying-Chang Liang (University of Electronic Science and Technology of China) presented an update on the IEEE Transactions on Cognitive Communications and Networks. Extensive detail was provided on aspects such as the aim and scope, subject areas, special issues, impact factor (4.574), submission statistics, and discussion points on publicity and high-quality publications.

Daniel Benevides da Costa (UFC) presented the slides on the TCCN newsletter, and the new issues to be released in June 2020: Quantum Communications and Reconfigurable Intelligent Surfaces.

#### **8. TCCN publicity**

Vijay Rao (Delft University of Technology) sent the slides on TCCN website to Yuan Ma, who presented the slides on behalf of Vijay. She introduced the updates on TCCN's websites that was open to new content, e.g., CFPs, white papers, articles, and ideas.

Yuan Ma (Shenzhen University, China) presented the Social Media for the TCCN committee. She introduced the way to join TCCN, including the TCCN mailing list, LinkedIn group (102 members), Facebook page (100 followers and 91 likes), and ComSoc group (150 members). She discussed the way of boosting TCCN.

#### **9. Next TCCN Meeting**

It was announced that the next TCCN meeting will be in the IEEE GLOBECOM 2020 conference.

#### **10. Any Other Business**