**IEEE ComSoc TCCN Zoom Meeting 2021– Agenda**

**Time & Date:** EST 10:00am-11:00am, Thursday, 18 Nov. 2021

**Zoom Meeting Room**: <https://zoom.us/j/93315200540>

**DIAL-IN NUMBER**: +1 929 205 6099 US (New York)

Find your local number (Global numbers included): <https://zoom.us/u/abnSDqtYnU>

Lingyang Song (Chair)

Siwen Mao, Lin Gao, R. Venkatesha Prasad (Vice-Chairs)

Yuan Ma (Secretary)

1. Welcome and Introduction
2. Attendance Register
3. Approval of the Agenda
4. Approval of the ICC 2021 (July 2021) TCCN meeting minutes
5. Report from the Chair, **Lingyang Song**, Peking University, China
6. Report on TCCN Recognition and Publication Award and by **Wei Zhang**, The University of New South Wales, Australia, and **Dusit Niyato**, Nanyang Technological University, Singapore
7. Report on TCCN Webinars, Journal Collaborations, by **Shiwen Mao**, Auburn University, USA
8. Reports on Special Interest Groups (SIGs)
9. SIG on Sensing, Communications, Caching, and Computing (𝑪^𝟑) in Cognitive Networks, by **Li Wang**, Beijing University of Posts and Telecommunications, China
10. SIG on AI and Machine Learning in Security, by **K.P. (Suba) Subbalakshmi**, Stevens Institute of Technology, USA
11. SIG on AI Empowered Internet of Vehicles, by **Ning Zhang**, University of Windsor, Canada
12. SIG on Wireless Blockchain Networks, by **Lei Zhang**, University of Glasgow, UK
13. Reports on conferences

ICC 2022 Cognitive Radio and AI-Enabled Networks Symposium, by **Ning Zhang**, University of Windsor, Canada

1. Reports on publications
2. Transactions on Cognitive Communications and Networking, by **Ying-Chang Liang**, University of Electronic Science and Technology of China
3. TCCN Newsletter, by **Lin Gao**, Harbin Institute of Technology, China
4. TCCN publicity

Report on website, by **Hongliang Zhang**, Princeton University, USA

1. Next TCCN Meeting
2. Any other business

**Meeting Minutes**

**1. Welcome and Introduction**

Lingyang Song initiated the TCCN meeting. The meeting recorder was Yuan Ma.

**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 message in Zoom 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 Shiwen Mao, and seconded by Yue Gao. There were no objections, and no abstentions. The Agenda was unanimously approved.

**4. Approval of the Online 2021 (Jul. 2021) TCCN meeting minutes**

Attention was drawn to the Minutes of the Online 2021 (Jul. 2021) TCCN meeting. The Minutes was presented by the Chair, moved by Shiwen Mao, and seconded by Yue Gao. There were no objections, and no abstentions. The Minutes was unanimously approved.

**5. Report from the Chair**

Lingyang Song as the Chair introduced the key information regarding the TCCN committee and this meeting, including the officers of term 2021-2022, the agenda of this meeting, the scope of TCCN, and the activities of TCCN such as membership, current Special Interest Groups (SIGs), webinars, newsletter, etc.

**6. Report on TCCN Recognition and Publication Award**

Wei Zhang as the chair of the TCCN Recognition Award Committee announced the 2021 TCCN Recognition Award that was present to **Professor Khaled Ben Letaief**, for his outstanding contributions to cognitive radio communications systems, networks, and standards.

Dusit Niyato as the chair of the TCCN Publication Award Committee announced the 2021 TCCN Publication Award was present to **Professor Weihua Zhuang**, for her outstanding contributions in the development of resource allocation algorithms and networking protocols for service provisioning and cost-effectiveness in cognitive communication networks.

**7. Report on TCCN Webinars and Journal Collaborations**

Shiwen Mao introduced the TCCN webinars held in 2021, and the upcoming TCCN webinars that will be held in 2022. Shiwen Mao also reported the journal collaboration with IEEE TCCN, China Communications, and Digital Communications and Networks.

**8. Reports on Special Interest Groups**

Li Wang (Beijing University of Posts and Telecommunications) presented the SIG on Sensing, Communications, Caching, and Computing (𝑪^𝟑) in Cognitive Networks. She introduced that the SIG on social behaviour driven cognitive radio networks has been changed as Sensing, Communications, Caching, and Computing in Cognitive Networks. The scope and objective are to provide a platform to interplay between social science and wireless communications. Also, Prof. Wang introduced the typical emergency services, critical challenges, and the emergency communications and networks to provide efficient sensing and rescue assistance under limit 3C resources. Finally, Prof. Wang introduced the finished activities, and the ongoing activities in 2022.

K.P. (Suba) Subbalakshmi (Stevens Institute of Technology) presented the SIG on AI and Machine Learning in Security, including the chair, members, and the way to join AIMLSec. In addition, Suba introduced the monthly virtual seminar series organized in 2020 and 2021 and other ongoing activities.

Ning Zhang (University of Windsor, Canada) presented the SIG on AI Empowered Internet of Vehicles, including the scope and objectives, SIG members, completed activities on SI of IEEE IoTJ, IEEE VTC-Fall 2021, etc., and ongoing activities on SI that will be held on IEEE TITS and IEEE Vehicular Technology Magazine, and other workshops on IEEE INFOCOM and ICC.

Lei Zhang (University of Glasgow, UK) presented a new SIG on Wireless Blockchain Networks, and introduced the members, and activities in 2021, including the special issue, conference/workshop organization, keynotes, tutorials and invited talk.

**9. Reports on conference (GLOBECOM 2021 CRAEN Symposium)**

Ning Zhang (University of Windsor, Canada) presented the report on Cognitive Radio and AI-Enabled Networks (CRAEN) Symposium of IEEE ICC 2022. This covered information such as the symposium chairs, number of paper submissions, and some remarks.

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

Shiwen Mao presented an update on the IEEE Transactions on Cognitive Communications and Networks on behalf of Ying-Chang Liang (University of Electronic Science and Technology of China). Extensive detail was provided on aspects such as the aim and scope, subject areas, special issues, impact factor (4.574) on JCR report 2020, submission statistics, popular papers, and recommended special issue papers.

Lin Gao presented the TCCN newsletter, including the current issues and new issue to be released in Nov. 2021: Federated Learning over Wireless Networks.

**11. TCCN publicity**

Hongliang Zhang (Princeton University) presented the TCCN website and introduced the updates on TCCN’s websites including virtual seminars, journals in collaboration, and TCCN award call for nominations. In addition, Hongliang introduced the websites was open to new content, e.g., CFPs, white papers, and ideas that all within the scope TCCN.

**12. Next TCCN Meeting**

It was announced that the next meeting will be in the IEEE ICC 2022 conference.

**13. Any Other Business**