**IEEE ComSoc TCCN Zoom Meeting 2023– Agenda**

**Time & Date:** May 2nd, 2023 09:00 AM EDT (US and Canada)

**Zoom Meeting Room** **ID:** 91262180476

**Password:** 845596

**DIAL-IN NUMBER**: +1 309-205-3325 US (New York)

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Shiwen Mao (Chair)

Ning Zhang, Yuan Ma, Yuanwei Liu (Vice-Chairs)

Hongliang Zhang (Secretary)

1. Welcome and Introduction
2. Attendance Register
3. Approval of the Agenda
4. Approval of the Globecom 2022 (Nov 2022) TCCN meeting minutes
5. Reports from the Chair, **Shiwen Mao** (Auburn University, USA)
6. Reports on TCCN Nominations, by **Shiwen Mao** (Auburn University, USA)
7. Reports on TCCN Awards and Subcommittee, by **Lingyang Song** (Peking University, China)
8. Reports on TCCN Webinars and Journal Collaborations, by **Shiwen Mao**
9. Reports on Special Interest Groups (SIGs)
10. SIG on Sensing, Communications, Caching, and Computing (𝑪^𝟑) in Cognitive Networks, by **Yongpeng Wu** (Shanghai Jiaotong University, China)
11. SIG on AI and Machine Learning in Security, by **K.P. (Suba) Subbalakshmi** (Stevens Institute of Technology, USA)
12. SIG on AI Empowered Internet of Vehicles, by **Ning Lu** (Queen’s University, Canada)
13. SIG on Wireless Blockchain Networks, by **Jiawen Kang** (Guangdong University of Technology, China)
14. Reports on conferences
15. ICC 2023 Cognitive Radio and AI-Enabled Networks Symposium, by **Lei Zhang** (University of Glasgow, UK)
16. GLOBECOM 2023 Cognitive Radio and AI-Enabled Networks Symposium, by **Hongliang Zhang** (Peking University, China)
17. Nominations for ICC 2024, GLOBECOM 2024, and ICC 2025
18. Reports on publications

IEEE Transactions on Cognitive Communications and Networking, by **Shiwen Mao**

1. TCCN publicity

Report on website, by **Hongliang Zhang**

1. TC Restructure Report, by **Shiwen Mao**
2. TC Innovation Project, by **Shiwen Mao**
3. TC Campaign Video Project, by **Shiwen Mao**
4. Next TCCN Meeting, by **Shiwen Mao**
5. Any other business, **all**

**Meeting Minutes**

**1. Welcome and Introduction**

Chair Shiwen Mao initiated the TCCN meeting. The meeting recorder was Hongliang Zhang. Each officer of term 2023-2024 gave a short introduction and thanked the support from all TCCN members at the beginning of the meeting.

**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 byYuanwei Liu, and seconded by Ning Zhang. There were no objections, and no abstentions. The agenda was unanimously approved.

 **4. Approval of the Globecom 2022 (Nov. 2022) TCCN meeting minutes**

Attention was drawn to the Minutes of the online Globecom 2022 (Nov. 2022) TCCN meeting. The Minutes was presented by the Chair, moved byNing Zhang, and seconded by Yuanwei Liu. There were no objections, and no abstentions. The Minutes was unanimously approved.

**5. Reports from the Chair**

Shiwen gave a full introduction of the key information regarding the TCCN committee and this meeting, including the technical scope of TCCN, TCCN membership, Special Interest Groups (SIGs), newsletter.

**6. Reports on TCCN Nominations**

Shiwen introduced all possible supports from TCCN including nomination for ComSoc Distinguished Lectures, ICC/GC Symposium Co-chairs, TCCN Awards, IEEE Fellows, Senior Members, and paper and service awards.

**7. Report on TCCN Award and Subcommittee**

The Chair of TCCN Recognition and Publication Award subcommittees is TCCN previous chair Lingyang Song from Peking University. He was not able to be here due to time conflict and Shiwen helped introduce the members of the subcommittees. For TCCN Recognition Award Committee, members include Marco Di Renzo from Paris-Saclay University, France; Luiz DaSilva from Virginia Tech, US; Geoffrey Ye Li from Imperial College London, UK; and Angela Yingjun Zhang from Chinese University of Hong Kong, China. For TCCN Publication Award Committee, members include Yusheng Ji from National Institute of Informatics, Japan; Petar Popovski from Aalborg University, Denmark; Dusit Niyato from Nanyang Technological University, Singapore; and Jianwei Huang from Chinese University of Hong Kong (Shenzhen), China.

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

Shiwen then introduced the previous webinars, and the upcoming TCCN webinars will be held on Jun. 15 2023 by Dr. Nada T. Golmie with the title of “On Communication and Sensing Measurements and Modeling for Next “G”” and Jul. 21 2023 by Professor Jie Wu with the title of “On Optimal Partitioning and Scheduling of DNNs in Mobile Edge/Cloud Computing”. For journal collaboration, TCCN keeps a close cooperation with different journals, including IEEE Transactions on Cognitive Communications and Networking, China Communications, and Digital Communications and Networking.

**9. Reports on Special Interest Groups**

Yongpeng Wu, the vice chair of SIG on Sensing, Communications, Caching, and Computing (C^3) in Cognitive Networks gave a quick update on the activities of the SIG. He first introduced the scope and members of the SIG. Then, he introduced that they have organized several special issues including Signal Processing for XR Communications and Systems in IEEE Journal of Selected Topics in Signal Processing. Moreover, they have hosted four invited talks in 2022. Finally, he introduced the future schedules of the SIG, such as workshops, special issues, regular meetings, and invited talks.

K. P. (Suba) Subbalakshmi, the chair of the SIG on AI and Machine Learning in Security (AIMLSec-IG) first gave a brief introduction of their SIG. Then, Suba introduced their virtual seminar series starting from 2020 and call for speaker suggestions from the audience. In addition, the YouTube Channel for the AIMLSec Webinar series is running. Besides, she also introduced other activities of AIMLSec-IG, for example, serving as symposium chair at ICC 2024 and associate/guest editors for several journals.

Ning Lu, the new chair of the SIG on AI Empowered Internet of Vehicles, first introduced the scope and objectives of the SIG. Then, he gave an update on recent activities including IEEE INFOCOM workshop 2023, BSC 2023, ACM MobiCom Workshop, and ICCSPA 2022. Then Ning presented ongoing activities including EAI MONAMI 2023 and IEEE ICCC Workshop on Edge Intelligence for 6G Networks.

Jiawen Kang, the co-chair of the SIG on Wireless Blockchain Networks, presented the scope, members, and activities in 2022 and 2023. They received several personal/paper awards, edited several books/book chapters in Springer and Wiley, organized some journal special issues and conference workshops, and etc.

**10. Reports on conference**

Lei Zhang is the representative from TCCN for Cognitive Radio and AI-Enabled Networks (CRAEN) Symposium at IEEE ICC 2023. He was not able to be here and Hongliang presented some updates instead of Lei. The symposium received 65 papers, 63 papers with a manuscript for review. 25 papers were accepted, with an acceptance rate of 38%. Two papers were nominated for best paper awards and are pending for the decision from the award committee.

Hongliang is the representative from TCCN for CRAEN Symposium at IEEE GLOBECOM 2023. The submission deadline was extended to May 6, 2023. The symposium registered 50 papers, 39 papers with a manuscript for review so far. He asked colleagues to support the symposium and thanked their supports in advance.

Hongliang also introduced the representatives in future ICC and GLOBECOM. Dola Saha from University at Albany, USA will be the co-chair of CRAEN symposium at IEE ICC 2024. TCCN has nominated three candidates to GLOBECOM 2024: 1. Yuan Ma, Shenzhen University, China; 2. R. Venkatesha Prasad, TU Delft, Netherlands; and 3. Zehui Xiong, Singapore University of Technology and Design, Singapore, and the nominations are waiting for approval. For ICC 2025, TCCN has also nominated three candidates: 1. Yuanwei Liu, Queen Mary University of London, London, UK; 2. Yu Cheng, Illinois Institute of Technology, Chicago, IL, USA; and 3. Boya Di, Peking University, China.

**11. Reports on publications (Transactions on Cognitive Communications and Networks)**

IEEE Transactions on Cognitive Communications and Networks Editor-in-Chief Shiwen Mao presented an update on the journal. Extensive details were provided including the journal scope, subject areas, topics of interest, impact factor, and submission statistics. Although IEEE TCCN is a relatively new journal, its impact factor is 6.359 on JCR Report 202, which is listed the 4th in our field. He also introduced the editorial board in 2023 and thanked all the editors for their great efforts. Shiwen asked members to support IEEE TCCN by submitting their excellent works to the journal, help publicize the journal, and welcomed members to submit special issue proposals to IEEE TCCN.

**12. TCCN publicity**

Hongliang then presented the updates on TCCN website including virtual seminars web traffic statistics. In addition, Hongliang introduced the websites was open to new content, e.g., CFPs, white papers, and ideas that all within the scope of TCCN.

**13. TC Restructure Report**

Shiwen gave an update on the TC restructure. He introduced the reasons why we need to restructure TCs. TCs might have some overlapping areas and the resources are limited. The goal is to make the TC more efficient and have a stable TC structure. He showed the procedure and welcomed the feedbacks from members.

**14. TC Innovation Project**

Shiwen introduced that this project aims to offer incentive fund to Technical Committees (TC), Special Interest Group (SIG), and Emerging Technologies Initiatives (ETI) to support innovations. Proposals on summer schools, webinars, and other new activities are welcomed. Up to 10 proposals will be selected and be funded by $5000. He also introduced the timeline for this project.

**15. TC Campaign Video Project**

Shiwen introduced that this project allows each TC make one short video about 1-2 minutes to attract members. Finally, 3 or 5 best videos will be selected among 26 TCs for the TC Video Award. Professional staff will make the video but we need the ideas. He also introduced the timeline for the project. Another 3-min talk project was launched by Dr. Wei Zhang. Shiwen gave a short introduction.

**16. Next TCCN Meeting**

It was announced that the next meeting will be in-person at the IEEE GLOBECOM 2023 conference, Kuala Lumpur, Malaysia.

**17. Any Other Business**

Due to the time limits, we did not have much time for open discussions. Shiwen also put several questions here: 1. How to attract more members; 2. How to identify and meet members’ needs; 3. How to increase submissions to the ICC/GC COGNITIVE RADIO AND AI-ENABLED NETWORKS; and 4. Ideas for TC innovation projects and TC video campaign. He welcomed any offline discussions. Boya proposed to have a student competition for the TC Innovation Project.