

IEEE TCGCC semi-annual Meeting 2020

Host Prof. Yan Zhang, University of Oslo, Norway (Chair of TCGCC)

Time 02/07/2020 9:00am Eastern time (15:00 Central European Summer Time, 21:00 Beijing time)

Location Online via Zoom

1. WELCOME/Registration

Prof. Yan Zhang initiated the TCGCC meeting. The meeting recorder was TCGCC secretary Kun Wang. Due to the inconvenience of the signature on the attendance sheet in the online meeting, the attendance registration was done through the Zoom chat box with their information of the name, affiliation and email during the meeting period. No participant attends from roll call.

2. Approval of the Agenda

The Agenda was presented by the Chair. There were no objections, and no abstentions. The Agenda was unanimously approved.

3. Approval of meeting minutes at GC' 19

Prof. Yan Zhang then presented the Minutes of the TCGCC meeting at GLOBECOM 2019. There were no objections, and no abstentions. The Agenda was unanimously approved.

4. TCGCC Introduction

Presenter: Prof. Yan Zhang (Chair of TCGCC)

Prof. Yan Zhang introduced the key information regarding the TCGCC committee and this meeting, including the officers of term 2019-2020, TCGCC overview about topics, goals, research areas, membership, mailing list, etc. Prof. Yan Zhang always encourage the colleagues to join our TCGCC.

Then, he analyzed the trend of the number of TCGCC members, the participants of TC meetings.

Comments: Prof. Sherali Zeadally gives the suggestion to add the research field about green computing of hardware and software.

Response: This research area about hardware/software efficiency can definitely enlarge the scope of our TCGCC. We will update the TCGCC topics.

5. IEEE TGCN Journal – Introduction

Presenter: Prof. Zhisheng Niu (EiC of IEEE TGCN from August 2020)

Prof. Zhisheng Niu introduced Transactions on Green Communications and Networking with his “Share Screen”. He explained the goal of TGCN is to advance and promote significant technology in green communications and networks including wireline, optical, and wireless communications and networks. He emphasized the collaboration between TGCN Journal and TCGCC committee.

Comments: Prof. Vincent Chan gave the suggestions on topics of IEEE TGCN. Based on the emerging technologies, such as the green concept on data center, President Chan suggested that Green Networking should span the topic of green data center.

Response: Prof. Zhisheng Niu replied that this topic is actually very important and the journal will update the related scope.

6. IEEE ICC’ 20 Green Symposium

Presenter: Prof. Ranga Venkatesha Prasad (Symposium Co-Chair)

Prof. Ranga Venkatesha Prasad introduced Green Communication Systems and Networks Symposium at IEEE ICC’ 2020. This covered information such as the symposium chairs, TPC members, review process, number of paper submissions, author distribution, and some remarks. The detailed data is listed as follows:

- Papers submitted: 55; Papers accepted: 22; Acceptance ratio: 40%
- 4 oral sessions and 1 best paper award

7. Special Interest Groups (SIG)

Five SIG chairs and two new SIG chairs presented their SIG information about the chair group, advisor and member, scope and objectives, Journal SI activities, conference organizations, tutorial activities, and upcoming plans, respectively. Some SIGs still have the Vice-chair or Advisor position for open call.

- SIG on Green Cellular Networks – presented by Daniel Ka Chun So, University of Manchester, UK.
- SIG on Green Smart Grid Communications – presented by Melike Erol-Kantarci, University of Ottawa, Canada.
- SIG on Green Computing and Data Processing – presented by Peng Li, The University of Aizu, Japan.
- SIG on Green and Sustainable Networking and Computing with Cognition and Cooperation

– presented by Lin Chen, Sun Yat-Sen University, China.

- SIG on Energy Harvesting Communication Networks – presented by Christos Masouros, University College London, UK.
- SIG on Green AI – presented by Kun Wang, University of California, Los Angeles (UCLA), USA.
- SIG on Green Internet of Vehicles – presented by Celimuge Wu, The University of Electro-Communications, Japan.

Comments: Prof. Stefano Galli suggests to collaboration between SIG Green Smart Grid Communications and Smart Grid TC.

Response: The Chair of SIG on Green Smart Grid Communications will enhance the collaboration with ComSoc Smart Grid TC.

Comments: Prof. Stefano Galli suggests to add SIG information in the website

Response: All SIG information is available in the TCGCC site which is now put in google sites. We are starting the process to move the website to ComSoc official website, which needs more time to update SIGs information.

8. TCGCC Conference/Journal activities

Prof. Yan Zhang presented the TCGCC Conference and Journal SI activities separately, as well as the tutorial and Keynote organization in 2020.

- Publication special issue organization
- Conference organization
- Tutorial and Keynote organization

9. Distinguished Lectures and TCGCC Awards

Prof. Yan Zhang presented the incoming plan of Distinguished Lectures endorsed by TCGCC and TCGCC Awards.

- Distinguished Lectures (Nomination deadline to ComSoc: 30.09.2020, Up to 4 candidates can be endorsed by TCGCC).
- TCGCC Distinguished Technical Achievement Recognition Award/IEEE TCGCC Best Journal Paper Award/ IEEE TCGCC & TGCN Best Paper Award (tbc) [Nomination deadline: tbc].

Comments: Prof. Xiaoming Fu gives the suggestions on TGCN fast-track submission issue from TCGCC ICC/GC papers.

Response: Prof. Zhisheng Niu replied that, currently, TGCN has the fast-track submission from other ComSoc committee. We will add more fast-track submissions in the accepted ICC/GC papers.

10. Discussions

Prof. Yan Zhang presented some open discussions about the following issues:

- The number of member increase and the number of submissions in “Green Communication Systems and Networks” symposium. It was recommended to have online+offline TC meeting and organize more seminar/talks by TCGCC. Also for symposium co-chair nomination, the symposium co-chairs should be very active to widely disseminate CFP.
- Collaboration between TCGCC and TGCN, including the special issue proposals to TGCN, “Green Seminar” jointly organized by TGCN/TCGCC, IEEE TCGCC & TGCN Best Paper Award, and editor recommendation from TCGCC to TGCN.
- Emerging research fields to explore. Prof. Yan Zhang presented the new topics to include in our TCGCC scope, e.g., mobile edge computing, UAV, blockchain, green AI, reconfigurable intelligent surface, pandemics (COVID-19) etc.
- SIG proposals and newsletter issue. Prof. Yan Zhang welcomes new SGI proposals on the related topics for TCGCC, and also new material to be included in the coming newsletter.

Finally, it was announced that next meeting will be at IEEE GLOBECOM 2020, hopefully face-to-face meeting.