

## IEEE TCGCC Meeting at ICC'2019

### Meeting minutes

Time: 14:00 – 16:00, Wednesday, May 22, 2019

Room: Qingdao, Level 2, Pudong Shangri-La Hotel, Shanghai, China

Chaired by Prof. Yan Zhang, University of Oslo, Norway

1. Welcome and round-table Introduction
2. Approval of the Agenda
3. Approval of Meeting Minutes of IEEE Globecom'2018, Abu Dhabi, UAE
4. TCGCC Introduction  
Prof. Yan Zhang introduced TCGCC about topics, research areas, membership, etc. He also gave appreciations for the past executive committee (March 23, 2017 - March 30, 2019), and introduced current Executive Committee (April 2019-March 2021)
5. Conferment of 2019 IEEE TCGCC Distinguished Service Award:  
Prof. F. Richard Yu, Carleton University, Canada: For outstanding leadership and services in the IEEE green communications & computing community.
6. Conferment of 2019 IEEE TCGCC Distinguished Technical Achievement Recognition Awards:
  - a. Prof. Abbas Jamalipour, University of Sydney, Australia: For outstanding technical leadership and achievement in green communications and networking.
  - b. Prof. Nei Kato, Tohoku University, Japan: For outstanding technical leadership and achievement in green wireless communications and networking.
7. Conferment of 2019 IEEE TCGCC Best Conference Papers Awards at ICC'2019:
  - a. Noncoherent Frequency Shift Keying for Ambient Backscatter over OFDM Signals, Mohamed A ElMossallamy, Zhu Han and Miao Pan (University of Houston, USA); Riku Jäntti (Aalto University School of Electrical Engineering, Finland); Karim G Seddik (American University in Cairo, Egypt); Geoffrey Ye Li (Georgia Institute of Technology, USA)
  - b. Energy Efficient Optimization of Base Station Density for VLC Networks, Han-Bae Kong (Texas A&M University, USA); Muhammad Ismail (Texas A&M University at Qatar, Qatar); Erchin Serpedin (Texas A&M University, USA); Khalid A. Qaraqe (Texas A&M University at Qatar, USA)
8. Conferment of 2019 IEEE TCGCC Best Journal Papers Awards
  - a. Kent Tsz Kan Cheung, Shaoshi Yang, and Lajos Hanzo, "Achieving maximum energy-efficiency in multi-relay OFDMA cellular networks: a fractional programming approach", *IEEE Transactions on Communications*, vol.61, no.7, pp. 2746-2757, July 2013
  - b. Jing Guo, Nan Zhao, F. Richard Yu, Xin Liu, and Victor C.M. Leung, "Exploiting Adversarial Jamming Signals for Energy Harvesting in Interference Networks," *IEEE Transactions on Wireless Communications*, vol. 16, no. 2, pp. 1267-1280, Feb. 2017
9. Conference Issues  
Dr. Daniel So, University of Manchester, UK, introduced Green Communication Systems and Networks Symposium at IEEE ICC'19:
  - Papers submitted: 100; Papers accepted: 40; Acceptance ratio: 40%
  - 6 oral sessions and 1 interactive session

- 1 IEEE ICC'19 best paper award
  - 2 TCGCC and 1 TAOS Best paper awards
10. Special Interest Group (SIG) Activities
    - a. SIG on Energy Harvesting Communication Networks, Presented by SIG Vice-Chair, Professor Kaibin Huang, the University of Hongkong
    - b. SIG on Green Computing and Data Processing, Presented by Dr. Kun Wang, UCLA (TCGCC Current Secretary)
  11. IEEE TCGCC Activities
    - a. Conference organization
    - b. Publication special issue organization
  12. TCGCC Recertification
 

The chair asked the TC members to send all related activities to help fill the recertification form, including:

    - a. Publications TC Members are actively involved in.
    - b. IEEE/COMSOC Awards.
    - c. IEEE Senior members or Fellow.
    - d. Standardization.
  13. New business items
    - a. SIG on Green Smart Grid Communications will present in GLOBECOM'19.
    - b. SIG proposals: welcome new SIG proposals.
    - c. Newsletter: we will send out a new issue after ICC'19.
    - d. Next meeting: IEEE Globecom, Hawaii, 9-14 December, 2019.
  14. Adjourn

Comments/suggestions from TC members on site:

- a. Prof. Shaoshi Yang, BUPT: send out the TCGCC current activities (conference and publication information) to TC members.  
**Response:** We may soon post the activities on our TCGCC website:  
<https://sites.google.com/site/gcccomsoc/home>
- b. Prof. Jinsong Wu, Universidad de Chile: suggest to invite 1-2 speakers to present their current work on Green Communications & Computing in each meeting.  
**Response:** We will invite 1-2 speakers from academic and industrial areas to give us a talk in next meeting at Globecom'2019. Each talk may use 10-15 minutes to give the vision of future challenges and potential solutions related to our TC.