

IEEE TCGCC Meeting at Globecom'2018



F. Richard Yu
FIEEE, FIET

**Chair, IEEE Technical Committee on
Green Communications & Computing (TCGCC)**

Professor, Carleton University, Ottawa, Canada

Agenda

- Welcome / Introduction
- Approval of the Agenda
- Approval of Meeting Minutes of IEEE ICC'18, Kansas City (Sent)
- Dr. Shahid Mumtaz, IEEE Globecom'18 Green Symposium
- Dr. Lin Chen, SIG on Green and Sustainable Networking and Computing with Cognition and Cooperation
- Dr. Deniz Gunduz, SIG on Energy Harvesting Communication Networks
- Dr. Jinsong Wu, Information and Communications Technologies for Sustainable Development Goals and recent possible efforts in IEEE Environmental Engineering Initiative
- Conferment of 2018 IEEE TCGCC Best Conference Paper Awards
- Conferment of 2018 IEEE TCGCC Best Journal Paper Awards
- Conferment of 2018 IEEE TCGCC Distinguished Technical Achievement Recognition Awards
- New Business items
- TCGCC Election
- Adjourn

Green Symposium at IEEE Globecom'18

- Co-chair: Shahid Mumtaz, Institute of Telecommunication, Portugal, Emad Alsusa, University of Manchester, UK
Taisir Elgorashi, University of Leeds
- Papers submitted: 145
- Papers accepted: 45; Acceptance ratio: 31%
- 7 oral sessions
- 2 Globecom'18 best paper award

IEEE TCGCC Best Conference Paper Awards at Globecom'2018



- Rubayet Shafin, Lingjia Liu, Jonathan Ashdown, John Matyjas, Michael Medley, Bryant Wysocki, and Yang Yi, "Realizing Green Symbol Detection via Reservoir Computing: An Energy-Efficiency Perspective," in *Proc. IEEE ICC'18*, Kansas City, MO, USA, May 2018.
- Zhenyu Zhou, Junhao Feng, Bo Ai, and Mohsen Guizani, "Energy-Efficient Mobile Crowd Sensing based on Unmanned Aerial Vehicles," in *Proc. IEEE Globocom'18*, Abu Dhabi, UAE, Dec. 2018.
- Haijun Zhang, Mengting Feng, Keping Long, George K. Karagiannidis, and Victor C.M. Leung, "Energy-Efficient Resource Allocation in NOMA Heterogeneous Networks with Energy Harvesting," in *Proc. IEEE Globocom'18*, Abu Dhabi, UAE, Dec. 2018.

IEEE TCGCC Best Journal/Magazine Paper Awards at Globecom'2018



- Yaodong Zhang, Chunxiao Jiang, Jingjing Wang, Zhu Han, Jian Yuan, and Jiannong Cao, "Green Wi-Fi Implementation and Management in Dense Autonomous Environments for Smart Cities," *IEEE Trans. Industrial Informatics*, vol. 14, no. 4, pp. 1552-1563, April 2018.
- Kun Wang, Yihui Wang, Yanfei Sun, Song Guo and Jinsong Wu, "Green Industrial Internet of Things Architecture: An Energy-Efficient Perspective," *IEEE Communications Magazine*, vol. 54, no. 12, pp. 48-54, Dec. 2016.

IEEE TCGCC Distinguished Technical Achievement Recognition Awards



Prof. Zhisheng Niu

Tsinghua University

For outstanding technical leadership and achievement in green wireless communications and networking.

IEEE TCGCC Distinguished Technical Achievement Recognition Awards



Prof. Yi Qian

University of Nebraska—
Lincoln

For outstanding technical leadership and achievement in green communications and networking.