

IEEE Communications Society Emerging Technical Subcommittee on Smart Grid Communications

IEEE SmartGridComm'17

Room: Kabinettzimmer
Hotel Taschenbergpalais Dresden

Tuesday, Oct. 24, 2017
18:00 – 20:00

Agenda

- Welcome and introduction
- 2017 conference and journal reports
- Future conference reports
- Activities between ETC-SGC and IEEE PES
- Activities in IEEE Smart Grid
- Potential merging with IEEE Power Line Communications Technical Committee

Mission Statement

- Support the IEEE Smart Grid Initiative
- Promote ComSoc's position in the development and promotion of smart grid related technologies
- Ensure that ComSoc members play a decisive technological role in smart grid communications

Current Status of Smart Grid Communications ETC

- Our ETC has 111 registered members as of October 2017.
- Our last meeting was held on Tuesday, November 8, 2016, from 12 pm to 1 pm at Four Points Sheraton Sydney during IEEE SmartGridComm'16.

Current Status of Smart Grid Communications ETC

- Officers (Starting Oct. 2017)
 - Chair: Angela Yingjun Zhang, CUHK
 - Vice Chair: Hamed Mohsenian-Rad, UC Riverside
 - Vice Chair: Hans-Peter Schwefel, Aalborg University
 - Secretary: Christian Wietfeld, TU Dortmund
- Past Officers
 - Chair: Vincent Wong (2014 – 2017)
 - Chair: Petar Popovski (2012 – 2014)
 - Chair: Stefano Galli (2011 – 2012)

Our Smart Grid Communications ETC

- Website:

<http://sg.committees.comsoc.org/>

- To become a member, it is necessary to **subscribe** to the Smart Grid Communications mailing list as specified on the above website.

Update on Activities

- Nomination of **Symposium Co-chairs** of IEEE ICC and Globecom, Selected Areas in Communications (SAC) Symposium, **Smart Grid Communications Track**.
 - IEEE ICC 2017: Deepa Kundur (U of Toronto, Canada)
 - IEEE Globecom 2017: Walid Saad (Virginia Tech., USA)
 - IEEE ICC 2018: Vincent Wong (UBC, Canada)
 - IEEE Globecom 2018: Giorgio Vitetta (Unimore, Italy)
 - IEEE ICC 2019: Kemal Akkaya (FIU, USA)
 - IEEE Globecom 2019: Suzhi Bi (Nominated) (Shenzhen U, China)
- If you are interested in co-chairing future conferences, please let one of the ETC officers know.

IEEE ICC'17

- Selected Areas in Communications (SAC) Symposium, Communications for the Smart Grid Track
- May 21 – 25, 2017, Paris, France
- Chair: Deepa Kundur
- Number of TPC members: 38
- Number of papers submitted: 44
- Number of papers accepted: 16
- Acceptance rate: 36%
- Number of sessions: 2 oral sessions and 1 interactive session

IEEE Globecom'17

- Selected Areas in Communications (SAC) Symposium, Smart Grid Communications Track
- December 4 – 8, 2017, Singapore
- Chair: Walid Saad
- Number of TPC members: 43
- Number of papers submitted: 21
- Number of papers accepted: 9
- Acceptance rate: 42.85%
- Number of sessions: 1 oral session of 5 papers, 1 interactive session of 4 papers

IEEE ICC'18

- Selected Areas in Communications (SAC) Symposium, Communications for the Smart Grid Track
- May 20 – 24, 2018, Kansas City, MO, USA
- Chair: Vincent Wong
- Number of TPC members: 36
- Paper submission deadline: Oct. 29, 2017
- Number of papers submitted (as of Oct. 17, 2017): 18

ICC 2017 Workshop

- IEEE ICC'2017 Workshop on Integrating Communications, Control, and Computing Technologies for Smart Grid (ICT4SG)
- Organizers: John Thompson, Wei-Yu Chiu, *et al.*
- Two plenary speakers:
 - Peta Popovski
 - Andrea Tonello
- Papers published: 4 oral sessions, 12 papers

IEEE Wireless Communications

- IEEE Wireless Communications, Special Issue on Smart Grids, April 2017.
- Guest Editors:
 - Christian Wietfeld (lead), Alvaro A. Cardenas, Hsiao-Hwa Chen, Petar Popovski, and Vincent Wong
- Number of submissions: 27
- Number of papers published: 7

IEEE Communications Magazine

- IEEE Communications Magazine, Feature Topic “Internet of Electric Vehicles and Smart Grid”
- <http://www.comsoc.org/commag/cfp/internet-electric-vehicles-and-smart-grid>
- Guest Editors:
 - Wei-Yu Chiu (National Tsing Hua U), Hongjian Sun (Durham U), Kiyoshi Nakayama (NEC Lab America), Shunqing Zhang (Shanghai U), and Vincent Wong (UBC)
- Manuscript Submission Due: April 1, 2018
- Decision Notification: August 1, 2018
- Final Manuscript Submissions Due: September 15, 2018
- Publication Date: December 2018

IEEE SmartGridComm 2018

- Renamed as IEEE International Conference on Communications, Control, and Computing Technologies for Smart Grids
- Oct. 29 – Nov. 1, 2018 (Tentative date), Aalborg, Denmark
- General Chair: Petar Popovski (Aalborg U.)
- TPC Co-Chairs:
 - John Thompson (U. of Edinburgh)
 - Hamed Mohsenian-Rad (UC Riverside)
 - Deepa Kundur (U. of Toronto)
 - Linus Thrybom (ABB Corporate Research)

Activities between ETC-SGC and IEEE PES

- Hamed Mohsenian-Rad serves as the editor of IEEE Power Engineering Letters (since 2016)
- Hamed Mohsenian-Rad serves as the Co-Chair of the [Data Access Working Group](#) of IEEE PES Subcommittee on Big Data & Analytics for Power Systems
 - ComSoc can contribute:
 - Smart Grid Communications Data (Field and Lab Tests)
 - Noise, Delay, Packet Loss, Waveform, etc.
 - Wired and Wireless Communications
 - Example: PLC data under different grid operation scenarios.

2017 PES GM Panel Session on Big Data Access and Big Data Research Integration in Power Systems

- Chair: Hamed Mohsenian-Rad (UC Riverside) and Ning Zhou (Binghamton U)
- Panelists:
 - Emma Stewart (LLNL)
 - Henry Huang (PNNL)
 - Behzad Nabavi (NYPA)
 - Yingchen Zhang (NREL)
 - Bill Blevins (ERCOT)

Activities in IEEE Smart Grid

- IEEE Smart Grid initiative is intended to organize, coordinate, leverage and build upon the strength of various entities within IEEE with Smart Grid expertise and interest.
- Stefano Galli serves as a Steering Committee Member
- Stefano Galli served as the Chair of Technical Activities Committee
- Angela Zhang represented the ETC in the Publications Committee
- Yiyu Shi represented the ETC in the R&D Committee

Potential Merging with TC-PLC