



IEEE Communications Society Technical Committee on Smart Grid Communications

Wednesday, 1st July 2020 - 18:00 – 19:30 (CEST)

Virtual meeting

Agenda – TC SGC Meeting – 1/7/2020

- Call to order
- Approval of the agenda
- Approval of previous meeting minutes (@ [SmartGridComm 19](#))
- TC structure and status
- Reports on nominations, conferences and journals
- Workshop on smart grid communications
- TC awards and committee
- Any other business
- Adjourn

TC structure and status

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, control, and computing
- ▶ Website: <http://sg.committees.comsoc.org/>

Officers 2020-21

- ▶ Chair:
 - Andrea Tonello, University of Klagenfurt, Austria
- ▶ Vice Chairs:
 - Christian Wietfeld, TU Dortmund, Germany
 - Chris Develder, Ghent University, Belgium
 - Marco Levorato, UC Irvine, USA
- ▶ Secretary
 - Fang Yang, Tsinghua University, China
- ▶ Appointed officers
 - Member relations: Hongjian Sun, Durham University, UK
 - Industry relations: Cedric Lavenu, EDF R&D, France

Special interest groups

➤ 1. SIG Communications and Networks to Enable the Smart Grid

- Chair: Dejan Vukobratovic @ University of Novi Sad
- Vice Chair: Gregor Verbic @ University of Sidney

➤ 2. SIG Cyber Security and Privacy for the Smart Grid

- Chair: Lalitha Sankar, Arizona State University
- Vice Chair: TBC

➤ 3. SIG Active Distribution Grids and Microgrids

- *Past chair: Zhao Xu, PolyU, Hong Kong*
- *Past vice Chair: Junhua Zhao, CUHK Shenzhen, China*

➤ 4. SIG Smart Metering, Demand Response and Dynamic Pricing

- *Past chair: Sid Chau, Australia National University*
- *Past vice chair: Hossein Akhavan-Hejazi, UC Riverside*

Special interest groups

- 5. SIG Big Data Management and Analytics (merge 5 and 9)
 - *Past chair: Hamed Mohsenian-Rad, UC Riverside*
 - *Past vice chair: Marco Levorato, UC Irvine*
- 6. SIG ICT-Enabled Transactive Energy and Grid Economics (merge 6 and 8)
 - *Past chair: Lijun Chen, Colorado*
 - *Past vice chair: Emiliano Dall'Anese, Colorado*
- 7. SIG Energy Storage and Electric Vehicles
 - Chair: Hamid Nazaripouya, UC Riverside
 - Vice chair: Phuong Nguyen @ TU Eindhoven
- 8. SIG Energy Internet and Energy System Integration
 - *Past chair: Qinglai Guo, Tsinghua, China*
 - *Past vice Chair: Hao Zhu, UT Austin, USA*
- 9. Proposed new SIG: AI and Computational Intelligence

In SmartGridComm, we have 4 symposia:

- *Communications and Networking*
- *Cybersecurity and Privacy*
- *Control and Operations*
- *Grid Analytics and Computation*

Member development

- ▶ Our TC has 252 registered members (8.6% increase since Dec. 2019)
- ▶ To become a member, sign up the TCSGC mailing list at <https://comsoc-listserv.ieee.org/cgi-bin/wa?SUBED1=asgcc&A=1>
- ▶ A **member** must be a Comsoc member
- ▶ Non ComSoc members can contribute as **collaborators**
- ▶ To become a **voting member**, attend at least two out of the last five TCSGC meetings
- ▶ TCSGC meetings are held twice a year at IEEE ICC and IEEE SmartGridComm

Nominations and representatives

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- IEEE ICC 2020 SAC Smart Grid Communications: [Hongjian Sun](#), Durham U
- IEEE Globecom 2020 SAC SGC: [Yang Xiao](#), The University of Alabama, USA
- IEEE ICC 2021 SAC SGC: [György Dán](#), KTH
- IEEE SmartGridComm 2021
 - Communications and Networking Symposium: [Fang Yang](#), Tsinghua U.
 - Control and Operation Symposium: [Hongjian Sun](#), Durham U.
 - Grid Analysis and Computation Symposium: [Chen Chen](#), Xi'an U.
- IEEE Globecom 2021 SAC SGC: [Ruiling Deng](#), Zhejiang University, China
- IEEE ICC 2022
 - [Christian Wietfeld](#), TU Dortmund University (TBC)

Call for Nominations announced regularly via the TCSGC mailing list
If you are interested in being nominated, please contact one of the officers

Journals and Conferences

Special issues

IEEE JSAC - Special Issue on Communications and Data Analytics in Smart Grid

- Guest Editors
 - Yingjun Angela Zhang (CUHK, TC Chair)
 - Hans-Peter Schwefel (Aalborg, TC Vice Chair)
 - Hamed Mohsenian-Rad (UC Riverside, TC Vice Chair)
 - Christian Wietfeld (TU Dortmund, TC Secretary)
 - Chen Chen (Argonne, SIG Chair)
 - Hamid Gharavi (NIST)
- Manuscript due: June 7, 2019 - Publication date: January 2020
- Number of submissions: 69 registered, 56 with valid manuscript uploaded - Papers finally accepted: 19.

MDPI Energies - Special Issue on Power Line Communication (PLC) Evolution: New Challenges and Innovative Solutions

- Guest Editors
 - Alberto Sendin (Comillas U, Madrid)
 - Andrea Tonello (Klagenfurt U)
- Submission deadline: 2 Nov. 2020

IEEE ICC 2020

- ▶ Selected Areas in Communications (SAC) Symposium, Smart Grid Communications Track
- ▶ June 7-11, 2020, Dublin, Ireland
- ▶ Chair: **Hongjian Sun**, Durham University, UK
- ▶ Number of TPC members: 32
- ▶ Number of papers submitted: 24
- ▶ Number of papers accepted: 8

IEEE GLOBECOM 2020

- Selected Areas in Communications (SAC) Symposium, Smart Grid Communications Track
- Dec. 7-11, 2020, Taipei, Taiwan
- Chair: [Yang Xiao](#), University of Alabama, USA
- Number of TPC members: 28
- Number of papers submitted: 24
- Number of papers accepted: review in progress

IEEE ICC 2021

- ▶ Selected Areas in Communications (SAC) Symposium, Smart Grid Communications Track
- ▶ June 14-18, 2021, Montreal, Canada
- ▶ Chair: [György Dan](#), KTH, Sweden
- ▶ Number of TPC members: 30
- ▶ Submission deadline: 12 October 2020

IEEE SmartGridComm 2020

➤ Location: Tempe, Arizona, USA (originally)

➤ Dates: 11-13 November 2020

➤ Venue: Virtual conference

➤ Co-chairs:

– [Lalitha Sankar](#), Arizona State University

– [Klara Nahrstedt](#), University of Illinois at Urbana Champaign



➤ TPC Co-Chairs: [Anuradha Annaswamy](#), [Rakesh Bobba](#), [György Dán](#), [Oliver Kosut](#), [Angela Zhang](#)

➤ Local arrangements: [Anna Scaglione](#)

➤ **Symposia:** Cybersecurity and Privacy, Communications and Networking, Control and Operations, Grid Analytics and Computation

➤ Submission deadline: July 1, 2020 (extended)

IEEE SmartGridComm 2021

- Location: **Aachen**, Germany
- Proposed dates: **18-21 October 2021**
- **Venue:** Eurogress. It has hosted already several international conferences including large IEEE events such as IEEE PESC 2004
- **Organizers:**
 - [Antonello Monti](#), RWTH Aachen Univ.
 - [Ferdinanda Ponci](#), RWTH Aachen Univ.
 - Both with large experience in organizing IEEE events in the past
- Several key people with experience in SmartGridComm have been already preliminary contacted and confirmed interest to being involved in this edition.



TCSGC Awards

TCSGC awards

- ▶ Outstanding Service Award
 - The nominee must be a TCSGC member at the time of nomination
 - The nominee must have been a TCSGC member for a sustained period of time and have made significant contributions to TCSGC over the period
- ▶ Technical Achievement Award
 - The nominee must be a TCSGC member at the time of nomination
 - The nominee must have done outstanding technical work in the field of the TCSGC
 - The nominee must have achieved a high degree of visibility for the work and for TCSGC in the community

Selection criteria

► Outstanding Service Award:

- Distinguished record of service to the TCSGC community, including organization of TCSGC endorsed symposia and workshops
- Providing exceptional leadership within the TCSGC
- Promotion of TCSGC activities and interests in the TCSGC research community

► Technical Achievement Award

- Involvement with the TCSGC
- Outstanding technical work in the field of the TCSGC
- High degree of visibility for his/her work and for TCSGC in the community.

Awards committee

- ▶ Members:
 - Chris Develder
 - Marco Levorato
 - Petar Popovski
 - Angela Zhang
- ▶ We plan to send out in July the first call for nominations
- ▶ Awardees will be announced at SmartGridComm 2020

Workshop on Smart Grid Comms ?

Idea to launch a Workshop on SGC

- 1-2 days event to foster academia and industry interaction
- Build a community spirit and share latest research, market and standards developments
- Technical presentations (from open call and solicited contributions) and panel/s
- **No publications.** Authors may submit an abstract or short paper (uploaded in the event website, or TC publications repository if it exists). This is to avoid conflict with possible future extended submissions, or to avoid the burden of writing a paper.
- Attract industrial participation and patronage
- Very low registration fees
- **Model Workshop on power line communications (WSPLC)** (example web site: <http://ecs.aau.at/WSPLC15/>)

Any other business ?

Next meeting

- ▶ SmartGridComm 2020, 11-13 November 2020

Thank you!