IEEE Communications Society Technical Committee on Smart Grid Communications

Wednesday, November 9, 2023 - 16:00 – 17:00 CET

Remote meeting

Agenda – TC SGC Meeting – 9/11/2023

› Call to order

› Approval of the agenda

› Approval of previous meeting minutes (April 26, 2023)

› *TC structure and status*

› Reports on nominations, conferences and journals

› Report on SIGs activities

› Status of webinars organization

› Awards and nominations committee announcements

› Election of the TC officers for the 2024-25 term

› 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 2022-23

› Chair:
 – **Andrea Tonello**, University of Klagenfurt, Austria

› Vice Chairs:
 – **Chris Develder**, Ghent University, Belgium

› Secretary
 – **Kun Yang**, University of Essex, UK

› Appointed officers
 – Industry Relations: **Alberto Sendin**, Iberdrola, Spain
 – ComSoc TC-PLC Liaison: **Ralf Lehnert**, TU Dresden, Germany
 – PES Liaison: **Antonello Monti**, RWTH Aachen University, Germany
 – ComSoc TC News Letter Editor: **Subhash Lakshminarayana**
 – Standards Liason: …

Member development

› 232 as of Dec. 2019 registered members

› 252 as of June 2020 - 259 as of January 2021 - 263 as of July 2021 - 265 as of November 2021 - 256 as of May 2022

› 273 as Oct. 2022

› 265 as April 2023

› 265 as November 2023

› 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, conferences and journals

Nominations and representatives

› IEEE ICC 2023 SGC track :   Dejan Vukobratovic, Univ. of Novi Sad

  − 6 papers (out of 16) have been accepted for SAC-SGNPLC and presented in an interactive track

› IEEE Globecom 2023:   Biplab Sikdar, National University of Singapore

› IEEE ICC 2024 SGC track: Subhash Lakshminarayana

  − Deadline 12 Nov., 2023 − 15 papers submitted so far − TPC with experience in PLC can volunteer and contact Subhash

› IEEE ICC 2025 SGC track: Kun Yang

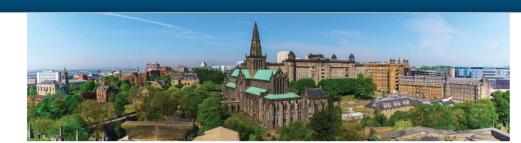› IEEE Globecom 2025   Nominations welcome by Nov. 10, 23

Call for Nominations announced regularly via the TCSGC mailing list

If you are interested in being nominated, please contact one of the officers

IEEE SmartGridComm 2023

- Location: Glasgow - Dates: 31 October – 3 November 2023

- Venue: University of Strathclyde, Glasgow

- Organizers: Stuart Galloway, Stephen McArthur, Gareth Harrison

- TPC co-chairs: Safak Bayram, György Dan, Muhammad Zeeshan Shakir, C. Y. Chung, Masood Parvania

- Website: https://sgc2023.ieee-smartgridcomm.org/

- Symposium papers submitted 147 – accepted: 72

- Workshop papers submitted: 38 – accepted 19

- 4 Keynote speakers – 5 Tutorials – 2 Panels

- Paid registrations: 136

IEEE SmartGridComm 2024

- **Location**: Oslo, Norwey. **Date:** September 2024

- **Organizers:** Yan Zhang, and co-chairs G. Chicco, A. Tonello

- It has been decided to merge ISPLC into SmartGridComm (starting in 2024).

  - There will be an additional Symposium on Power Line Communications

  - Potential to bring in more submissions, participants and industry patrons.

- **Paper submission:** 10 April, 2024

- **Submission proposals for:** Workshops, panels, tutorials

Special issues – see also SIG reports

Current:

You may want to send information. The TC web site will also be updated.

Report on SIGs activities

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: György Dan – KTH

   – Vice Chair: Jinsub Kim- Oregon State Univ.

❯ **3. SIG Energy Storage and Electric Vehicles**

   – Chair: Hamid Nazaripouya - UC Riverside

   – Vice chair: Phuong Nguyen - TU Eindhoven

❯ **4. AI and Computational Intelligence**

   – Chair: Yan Zhang - University of Oslo

   – Vice-chair: Melike Erol-Kantarci - University of Ottawa

   – Vice-chair: Damla Turgut - University of Central Florida

❯ **Past SIGs**

   – SIG Big Data Management and Analytics

   – SIG ICT-Enabled Transactive Energy and Grid Economics

   – SIG Energy Internet and Energy System Integration

   – SIG Active Distribution Grids and Microgrids

   – SIG Smart Metering, Demand Response and Dynamic Pricing

SIG Communications and Networks to Enable the Smart Grid

Conferences:

- IEEE ICC 2023 SGC track – Chair Dejan Vukobratovic

SIG: AI and Computational Intelligence

› See previous meeting report

Webinars

Webinars

> Idea: organize a series of webinars.

> Objective: engage more our community and offer some value

> Focus on a specific topic and last 1-1.5 hours (*talk or panel*)

  – Access will be remote, free access, ComSoc staff can help in advertising them

> Webinars can be part of the SIG activities

  – 2 webinars/year. Each webinar will be organized by one of the four SIGs and cover a topic within the SIG scope

  – Engagement of industry would also be a good objective either by having a speaker from industry of seeking for industry colleagues to attend

> SIGs can send a brief proposal:

  – Title/topic of the webinar, Possible speaker/s, Date (indication of time period)

Delivered and in progress webinars

❯ Power Line Communications for Smart Grid, Residential and Industry Applications – October 6, 2023

– **Organizers:** Jose Antonio Cortes Arrabal, Andrea Tonello

– **Speakers:** Andrea Tonello, Cedric Lavenu, Marcos Martinez

– **Registered participants:** 190

– **Attendees:** about 100

– **Recorded video at:** https://plc.committees.comsoc.org/seminars/

❯ Past proposal: Cybersecurity Challenges for Grid Edge, DER, and IBR.

– Organizers: Jinsub Kim, Lalitha Sankar, György Dan (Fall 23)

TCSGC Awards

TCSGC awards

› Two awards

  – Outstanding Service Award

  – Technical Achievement Award

› **Committee members**: Lutz Lampe (Chair), Chris Develder, Petar Popovski, Anna Scaglione, Christian Wietfeld

› Formed according to updated P&Ps: collected vote for approval and informed TEAC

› Term until December 2023

› 2023 Awards

  – The award will be announced soon

Election new officers

Election procedure for the term 2024-25

› Election procedure explained in the P&Ps

› Nomination and election committee
  – Andrea Tonello, Chris Develder, Vincent Wong, Angela Yingjun Zhang, Lutz Lampe

› Eligible candidates must be voting members

› Next steps
  – Call for nominations for all three positions Chair, Vice-chair, Secretary
  – Vote collected via email

Any other business ?

Next meeting

> ICC 2024

Thank you!