

**Minutes of the
IEEE Power and Energy Circuits and Systems Technical Committee meeting
--- May 2022 ---**

Location:

Virtual (during ISCAS 2022)

Date:

Monday 30th May 2022

Time:

13.00 PM - 14.00 PM (UTC-5:00)

1) Introductions of Attendees

At 13:10, after solving a technical problem, the Chair of the Committee, Zhen Li, opened the annual virtual meeting of the PECAS TC and welcomed all participants.

The Chair introduced himself, the Chair-Elect (Giulia Di Capua), and the Secretary (Xi Chen). The Chair also informed that the past Chair, Prof. Tyrone Fernando, had no chance to join, due to time zone. In fact, the meeting has been scheduled according to ISCAS 2022 venue time, corresponding to late night in Australia. The past Chair sent his greetings to all participants at the meeting.

The Chair invited all the participants to briefly introduce themselves.

Memberships and new applications

Zhen Li presented the list of new members who requested to join the PECAS TC during the last year. Three membership requests arrived since last year. None asked to become a Corresponding Member. Their memberships were unanimously approved by mail surveys sent to all TC members.

New Full members

- Bin Liu, Tsinghua University, China (May. 2022)
- Lin Cheng, University of Science and Technology of China, China (May. 2022)
- Haicheng Tu, Hangzhou Dianzi University (May 2022)

New Corresponding members

- none

Zhen Li reminded how to become a PECAS-TC member. He invited all the participants to have a look to the relevant info available on PECAS website (<https://iee-cas.org/community/technical-committees/power-and-energy-circuits-and-systems-technical-committee-pecas>, Section → ***Becoming a Member***)

Zhen Li briefly summarized the current status of memberships for the TC. According to our Bylaws, Zhen Li reminded the following conditions:

- FM has rights to vote, propose motions and make statements at the annual meeting;
- CM may attend the TC meeting with voice but without the right to vote;

- yearly, at ISCAS time, no-active FMs, or FMs who have not renewed IEEE/IEEE CASS membership become CMs, and CMs who have not renewed IEEE/IEEE CASS membership will leave the TC.

Zhen Li also reminded that:

- IEEE and IEEE CASS memberships are both mandatory to remain active members in PECAS TC;
- all members could ask in any moment to be removed from PECAS-TC, as well as to be re-considered for inclusion within the TC.

2) Approval of Agenda and Minutes from Last Meeting

Zhen Li presented the meeting agenda. No comments or suggestions came from the attendees, and the agenda was unanimously approved.

The minutes from the last meeting held during ISCAS 2021 (virtual meeting) were previously sent by email to all TC members. Zhen Li invited all the attendees to have a look to the minutes available on PECAS website (<https://iee-cas.org/community/technical-committees/power-and-energy-circuits-and-systems-technical-committee-pecas>, Section → *Reports and Minutes*)

Zhen Li called to approve the minutes, which were unanimously approved.

3) Chair's Report for Activities 2021/22

ISCAS 2022 report (Track Chairs: Zhen Li and Giulia Di Capua)

Zhen Li reported that 1230 papers were submitted to ISCAS 2022: 59 papers out of the 1230 were submitted to Track 4.0, putting the Track 4.0 in the 8th position among the 17 total tracks of ISCAS 2022. Detailed numbers and papers distribution were presented on slides shown during the meeting. Zhen Li stated that 34 papers out of 59 were accepted for presentation, with an acceptance rate of about 58%. (24 rejected papers and no withdrawn papers). These papers were all accepted in lecture sessions.

Track 4.0 was served by 21 RCMs. Our RCMs team is stable since our invitation from ISCAS 2021. Some RCMs have been loaded more than others due to unbalance in subtrack submissions: RCMs have received from 1 to 7 papers. The review process went well, with a large number of high-quality papers, good feedback from reviewers, and an average of 5.5 reviews per paper (better than 2021).

Zhen Li invited for more qualified submissions for ISCAS 2023: invitations may be sent to our colleagues, research peers, etc. Zhen Li also invited for Special session for ISCAS 2023. Proposals should be endorsed by the TC for a wider participation.

Summary of Activity of PECAS TC (June 2021-May 2022)

Zhen Li highlighted that the TC members' activities between the June 2021 and May 2022 were summarized in the IEEE PECAS annual report, which has been prepared by Giulia Di Capua and submitted to the IEEE CASS VP - Technical Activities, Prof. Xinmiao Zhang, on May 2022. The relevant document has been made available on PECAS website (<https://iee-cas.org/community/technical-committees/power-and-energy-circuits-and-systems-technical-committee-pecas>, Section → *Reports and Minutes*)

A total number of 20 PECAS-TC members replied to the Annual Report, providing their contributions on the following technical activities: IEEE Conference/Event organizations; IEEE Journal Editorships; Awards, Honors, and Recognition; Keynote Speeches/Invited Talks; Other distinguished IEEE services.

The record of accomplishment from TC members' is significant, with a good editorial service participation, a good participation in IEEE CASS activities, and a good presence in the technical committees of international CASS conferences. Some awards, honors, keynote speeches and invited talks have been highlighted for 2021/22.

5) Review of PECAS TC – membership

Xi Chen summarized the TC Memberships. There are currently 62 FMs and 4 CMs. The TC have had 3 new membership requests and 4 members changed to corresponding member

Full members:

- Daniel Molzahn (Upgrade from Corresponding Member)
- Xiaozhe Wang (Upgrade from Corresponding Member)
- Aleksandra Lekić-Vervoort (Upgrade from Corresponding Member)
- Haicheng Tu (accepted as new member on May 2022)
- Lin Cheng (accepted as new member on May 2022)
- Bin Liu (accepted as new member on May 2022)

Corresponding members:

- Karen N. Miu (Downgrade from Full Member)
- Elkim Felipe Roa Fuentes (Downgrade from Full Member)
- Dimitri Galayko (Downgrade from Full Member)
- Abdelali El Aroudi (Downgrade from Full Member)

6) Proposed Activities for 2022/23

Giulia Di Capua invited for Special Issue Proposals for CASS journals, and for Special Session Proposals for ISCAS 2023. The PECAS TC target is to raise/maintain the number of ISCAS submissions in PECAS area, raise/maintain the number of SS proposals on emerging topics related to PECAS, and increase the number of Special Issues on emerging topics related to PECAS in IEEE CASS Journals. Zhen Li reminded that the TC is associated to three CASS Journals, i.e., IEEE Transactions on Circuits and Systems I: Regular Papers (TCAS-1), IEEE Transactions on Circuits and Systems Part II: Express Briefs (TCAS-2), and IEEE Journal on Emerging and Selected Topics in Circuits and Systems (JETCAS).

Giulia Di Capua reminded that all possible research activities of PECAS TC members can be highlighted through the PECAS mailing list, to keep all members informed and allow their participation.

6) Proposed Actions

Giulia Di Capua reminded that ISCAS usually have two track-chairs for Track 4.0 - Power and Energy Circuits and Systems. By default, the track-chairs are the current Chair and Chair-Elect of PECAS-TC. Conversely, Giulia Di Capua proposed to assign such a role to different members of our community, year by year, to ensure major visibility of our TC members. The new track-chairs can be endorsed by the PECAS TC Chairs, after the they will ask for candidacy for such a role. In case of multiple candidancies, the PECAS TC will go through a votation.

The proposal was unanimously approved and it will be realized by the next ISCAS edition.

Giulia Di Capua reminded that Track 4.0 - Power and Energy Circuits and Systems had the same RCMs list for many years. Recently, the PECAS TC needed to update this list because many RCMs were not available to perform such role. Accordingly, Giulia Di Capua proposed to revise such list year by year, to let that new members can join and have this list properly updated and cleaned. The proposal was unanimously approved and it will be realized by the next ISCAS edition.

Giulia Di Capua highlighted that the PECAS-TC have regular updates only by mails, which limit our capability to have a real network among TC members. Accordingly, Giulia Di Capua proposed that the PECAS-TC can have a LinkedIn group, where members (FMs, CMs, and even past members) can be informed about PECAS proposals and eventually join with their participation. The proposal was unanimously approved.

7) TCAS-I issue

Giulia Di Capua reminded that on last March, 15th 2022 the PECAS TC had a virtual meeting “on purpose”, to discuss about TCAS-1 and our difficulties in having PECAS EDICs update. In fact, although the TC has proposed new EDICs, the Editor-in-Chief (EiC) of TCAS-1 has shown no intention to work for such update.

Zhen Li shared the actions taken after the meeting on March. He tried to reach personally the current EiC, but got a negative answer about the chance to update the EDICs.

Giulia Di Capua shared an interesting case she experienced few days ago, about the review of a TCAS-1 manuscript submitted by a PECAS TC member. Giulia Di Capua reminded she is currently an Associate Editor (AE) for TCAS-1. She was assigned a manuscript by the EiC of TCAS-1. This manuscript was co-authored by one PECAS member. She analyzed the paper in detail and considered the manuscript as an appropriate paper for TCAS-1. After the acceptance of this manuscript, given after two review rounds, Giulia Di Capua was reached by a message from the EiC, with the recommendation to “resubmit to power-related journal without sending for review papers which may not well fit in the journal”.

In last years, many PECAS members had issues in publishing their works on TCAS-1. All TC members participated the discussion and provided valuable comments.

The PECAS TC agreed that the next step will be to contact the IEEE CASS VP – Publications, Prof. Mohamad Sawan, to provide a clear reply to our TC’s questions.

First, the PECAS-TC deserves to know the reason why it is not possible to update EDICs, which are now obsolete and not representative for the TC. This update can partially help in solving the issue of multiple rejected papers coming from PECAS area. In fact, CASS journals should fully reflect the research interests of our TC members, which could be similar but are not the same of IEEE Power and Energy Society and IEEE Power Electronics Society.

Second, the TC needs to be involved in the recommendation of other AEs for CASS journals according to the TC bylaws. In these years, the Chairs have been not involved in any process of recommendation of AEs from PECAS area. After EDICs revision, other AEs covering the subjects of interest for PECAS TC should be involved.

Meeting Adjournment

The meeting was adjourned at 14:30.

8) Attendees List (in alphabetical order)

#	Name	FM	Affiliation	Country
1	Xi Chen	X	GEIRI North America	U.S.A.
2	Giulia Di Capua	X	University of Cassino and Southern Lazio	Italy
3	Sijun Du	X	Delft University of Technology	Netherlands
4	Adrian Ioinovici	X	Holon Institute of Technology	Israel
5	Junmin Jiang	X	Southern University of Science and Technology	China
6	Zhen Li	X	Beijing Institute of Technology	China
7	Suraj Prakash	X	Qualcomm Technologies, Inc.	U.S.A.
8	Indumini Ranmuthu	X	Texas Instruments Incorporated	U.S.A.
9	Hiroo Sekiya	X	Chiba University	Japan

*** Minutes taken by Xi Chen

*** Revised and confirmed by Giulia Di Capua

*** June 1st, 2022 (*draft version*)

*** June 30th, 2022 (*final version*)