Minutes of the
IEEE Power and Energy Circuits and Systems Technical Committee meeting
--- May 2023 ---

Location:
Monterey Conference Center, Executive Boardroom (Portola)
Monterey, CA, USA (during ISCAS 2023) - Hybrid format

Date:
Monday 22nd May 2023

Time:
11:30 AM – 1:00 PM (PTC-5:00)

1) Introductions of Attendees

At 11:30, the Chair of the Power and Energy Circuits and Systems Technical Committee (PECAS-TC), Zhen Li, opened the annual (hybrid) meeting and welcomed all participants. The Chair introduced himself, the Chair-Elect (Giulia Di Capua), and the Secretary (Xi Chen). All the participants also briefly introduced themselves.

A brief overview of the membership changes from June 2022 to May 2023 was given. Two new full members joined the TC this year: Jingxi Yang and Wen-Liang Zeng. Dimitri Galayko and Elkim Felipe Roa Fuentes were upgraded from Corresponding Members (CM) to Full Members (FM). Aleksandra Lekić-Vervoort and Suli Zou were downgraded from FM to CM, due to missed CASS membership.

2) Approval of Agenda and Minutes from the Last Meeting

Zhen 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 2022 (virtual meeting) were previously sent by email to all TC members. Zhen invited all the attendees to have a look at the minutes available on the PECAS website (***Reports and Minutes*** → https://ieee-cas.org/technical-committee/PECAS/pecas-reports-minutes)

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

3) Chair's Report for Activities 2022/23

ISCAS 2023 report (Track Chairs: Junrui Liang and Chi-Seng Lam)
Junrui Liang reported that the Power and Energy Circuits and Systems track in ISCAS 2023 was chaired by Junrui Liang and Chi-Seng Lam and served by 18 Review Committee Members (RCMs).
- Some RCMs have been loaded more than others due to unbalance in sub-track submission;
- RCMs have received from 1 to 7 papers;
- Large number of high-quality papers with good feedback from reviewers.

Junrui then reported that 1226 papers were submitted to ISCAS 2023: 79 papers out of 1226 were submitted to Track 4.0, putting it in 6th position among the 17 total tracks of ISCAS 2023. Detailed info on numbers and paper distribution were presented on slides shown during the meeting. Compared to the past ISCAS edition, ISCAS 2023 had more lecture sessions, with 6 lecture sessions (28 papers), and 2 poster sessions (11 papers) for track 4.0. The acceptance rate for Track 4.0 was 48% (38 out of 79 papers were accepted).

Summary of Activity of PECAS TC (June 2022-May 2023)
Zhen highlighted that the TC members' activities between the June 2022 and May 2023 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 on May 2023 The relevant document has been made available on PECAS website (**Reports and Minutes** → https://ieee-cas.org/technical-committee/PECAS/pecas-reports-minutes)

Zhen suggested:
(1) To invite more qualified submissions for ISCAS 2024:
Zhen invited all PECAS members to take an extra effort on inviting new submissions within our TC scope.
(2) To keep cross-disciplinary actions within the TC scope:
The scope of our TC mainly covers PE circuits, IC design, and power systems. From the data on the ISCAS submissions, it is evident that PE and PS researchers keep leaving our TC. Zhen invited to keep in line with PECAS scopes and to attract more researchers in cross-disciplines through several mediums (e.g., LinkedIn, WeChat, etc.)
(3) To write a proposal about the TC award/certificate/recognition:
Zhen wrote a similar kind of proposal to CASS, which however shows a very cautious attitude to things named "awards".

5) Review of PECAS TC – *membership*

Xi summarized the TC Memberships by May 2023. There are currently 65 FMs and 2 CMs. Dimitri Galayko confirmed his IEEE and IEEE CASS membership during the meeting and confirmed his willingness to be upgraded to FM. Hereinafter is the summary of the changes.

New FM joined the TC (email approvals)
- Jingxi Yang
- Wen-Liang Zeng

Upgrade to FMs
- Elkim Felipe Roa Fuentes (Upgrade from CM)
- Dimitri Galayko (Upgrade from CM)

Downgrade to CMs:
- Aleksandra Lekić-Vervoort (Downgrade from FM)
- Suli Zou (Downgrade from FM)

Leave due to lack of IEEE and/or CASS memberships
- Karen N. Miu
- Abdelali El Aroudi

Xi shared the statistical distribution of members from several dimensions. This includes membership level, gender, region, etc. Xi emphasized the requirement for diversity in membership, hoping that members could invite more women and young engineers, as well as engineers and academics from industry and research, to join the TC. Giulia shared her experience in the Women in CAS committee and hoped that more women can join the PECAS TC in the future.

6) Proposed Activities for 2023/24

The PECAS TC target is to raise the number of ISCAS submissions in the PECAS area, raise/maintain the number of SS proposals on emerging topics related to PECAS, and increase the number of SIs on emerging topics related to PECAS in IEEE CASS Journals. The TC is associated with 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 discussed the work plan for 2023/2024 and solicited proposals for special issues of CAS journals and proposals for special sessions of ISCAS 2024. TC developments will be notified and information shared through the PECAS-TC LinkedIn account (and as usual by mail).

6) TC involvement

Giulia shared the TC involvement in CASS for the years 2022-2023. During the last year, some of our TC members started to be involved in new CASS roles:
- Xiaozhe Wang → IEEE CASS WiCAS co-chair
- Chi-Seng Lam → IEEE CASS YPCAS chair
- Yang (Tim) Jiang → IEEE CASS YPCAS co-chair

7) Proposed Actions

Several members never reply to annual report requests, never support CASS journals and conferences, never attend the annual meeting, and so on. Giulia suggested considering the following action for the "ghost member" issue in the TC.

> *If a Full Member*
> - *doesn't reply to Annual reports for three consecutive years **&&***
> - *doesn't attend TC meetings for three consequent years*
> *then the FM automatically becomes a CM*

Michael Tse, Hiroo Sekiya, and other members shared their valuable comments. The attendees unanimously approved.

This rule will become effective starting from the current year. Every CM can apply to become FM once again, proving he/she is an active member.

8) Officer election

On the occasion of ISCAS 2023, Zhen (Daniel) Li will end his term as the Chair of PECAS TC, and Giulia Di Capua will take over.

Giulia suggested starting the election process for the new Chair-Elect and the new Secretary of the TC. She invited all PECAS (voting) members to consider possible nominations for the positions of the new Chair-Elect and Secretary of the PECAS-TC (2023-2025). The following nominations/availabilities came from the TC:
- Chair-Elect nomination: Xi Chen
- Secretary nomination/availability: Junrui Liang; Chi-Seng Lam

Giulia proposed to confirm Xi Chen as Chair-Elect of the PECAS-TC, given his availability and noticeable contribution to the TC activities. Members attending the meeting anonymously agreed and thanked Xi for his availability and active participation in PECAS-TC.

Giulia reminded that PECAS new officers will be elected by a majority vote of the voting members present at the annual committee meeting. As for the Secretary role, given the two candidates' availability, the election will take place by using a Google Form, and the vote results will be communicated by mail to the TC members. As stated by the TC Bylaws, only members who are present during the annual meeting will be asked to provide their preference for the 2023/2025 officers.

The election ended on June 15th, 2023.
Number of members attending the annual meeting: 17
Number of FULL (voting) members attending the annual meeting: 17
Number of received votes: 14

Junrui Liang: 11 votes   Chi-Seng Lam: 3 votes

Accordingly, given the majority vote decision, Junrui Liang was elected as the next PECAS-TC secretary.
A great appreciation went to Chi-Seng Lam for his participation in the election.

9) TCAS-I issues

Giulia briefly reported the current status of the TCAS-1 issue. After a couple of meetings on this topic, last fall the PECAS chair was invited to prepare a mail to be sent to the CASS VP Publication.

Last October, Giulia had a long discussion with the IEEE CASS President to ask for any advice on the EDICs issue. Here's the summary of this conversation:
- The EDICs change is, in theory, possible every year, if the request is properly addressed after ISCAS. After ISCAS 2022 it was possible.
- At the end of 2022, this request was not convenient and realistically possible anymore. The VP-Publication was in charge until the end of Dec 2022 and he would never accept to complete a such critical task in the remaining 2 months of 2022.

Furthermore, the TCAS-1 journal was undergoing a review process from IEEE TAB. So, last year was the worst moment to ask for any change. And realistically, nobody would implement any request until the end of the review process.

Under the IEEE CASS President's recommendations, Giulia agreed on the followings:
1) wait for EDICs change request until May 2023;
2) revise again PECAS-TC EDICs proposal, keeping them under discussion within the TC and discuss it after ISCAS 2023;
3) submit EDICs change proposal to TCAS-1 (keeping the IEEE CASS President involved).

10) New Business (if any)

Giulia asked the attendees for any other business. No further communication came from the audience.

11) Meeting Adjournment

The meeting was adjourned at 13:20.

12) Attendees List (in alphabetical order)

#	Name	Attendance	Affiliation	Country
1	Bin Liu	online	Tsinghua University	China
2	Chi K. Tse	in person	City University of Hong Kong	Hong Kong
3	Chia-Chi Chu	online	National Tsing Hua University	Taiwan
4	Dimitri Galayko	in person	Sorbonne Université - LIP6	France
5	Dong (Adam) Liu	in person	City University of Hong Kong	Hong Kong
6	Giulia Di Capua	in person	University of Cassino and Southern Lazio	Italy
7	Hiroo Sekiya	in person	Chiba University	Japan
8	Ian Hiskens	online	University of Michigan	U.S.A.
9	Jingxi Yang	in person	City University of Hong Kong	Hong Kong
10	Junrui Liang	in person	ShanghaiTech University	China
11	Xi Chen	in person	GEIRI North America	U.S.A.
12	Xi Zhang	online	Beijing Institute of Technology	China
13	Xiaozhe Wang	online	McGill University	Canada
14	Yang (Tim) Jiang	online	University of Macau	Macau
15	Yongxiang Xia	online	Hangzhou Dianzi University	China
16	Zhen (Daniel) Li	online	Beijing Institute of Technology	China
17	Zhiyuan Chen	online	Fudan University	China

*** Minutes taken by Xi Chen
*** Revised and confirmed by Giulia Di Capua

*** June 11th, 2023 (*draft version*)
*** July 17th, 2023 (*final version*)