

**Minutes of the
IEEE Power and Energy Circuits and Systems Technical Committee meeting
--- May 2019 ---**

Location:

Sapporo City Industrial Promotion Center - 3F, Seminar Room 3
Sapporo, Japan (during ISCAS 2019)

Date:

Wednesday 29th May 2019

Time:

11:30-12:45 UTC+09:00

1) Introductions of Attendees

At 11:30, the Chair of the Committee, Abdelali El Aroudi, opened the annual meeting of the PECAS TC and welcomed all participants. The Chair introduced himself and the Chair-Elect (Tyrone Fernando). All the participants also introduced themselves and signed the attendance list.

Memberships and new applications

Abdelali El Aroudi presented the list of new members who requested to join the PECAS TC during the last year. Their memberships were unanimously approved by mail surveys sent to all TC members. Abdelali El Aroudi reminded that all PECAS members should commit in the review process of the main CASS conferences.

- Mummadi Verachary, Indian Institute of Technology Delhi, New Delhi, India (mvchary@ee.iitd.ac.in)
- Chi-Seng Lam, University of Macau, Macao, China (cslam@umac.mo)
- Dimitri Galayko, Sorbone University, Paris, France (dimitri.galayko@lip6.fr)
- Shintaro Arai, Okayama University of Science, Okayama, Japan (arai@ee.ous.ac.jp)
- Liu Dong, The Hong Kong Polytechnic University, Hong Kong, China (adam.d.liu@connect.polyu.hk)
- Li Xiaolu, The Hong Kong Polytechnic University, Hong Kong, China (xiaolu.li@connect.polyu.hk)
- Elkim Roa, Universidad Industrial de Santander, Colombia, (efroa@uis.edu.co)

2) Approval of Agenda and Minutes from Last Meeting

Abdelali El Aroudi presented the meeting agenda. The agenda was unanimously approved. The minutes from the last meeting held during ISCAS 2018 (Florence, Italy) were previously sent by email to all TC members. Minutes were also circulated among the attending members.

Abdelali El Aroudi called to approve the minutes. Minutes were unanimously approved.

3) Chair's Report for Activities 2018/19

ISCAS 2019 report (Track Chairs: Chia-Chi Chu, Abdelali El Aroudi and Tyrone Fernando)

Abdelali El Aroudi reported that 1454 papers were submitted to ISCAS 2019: 89 papers out of the 1881 were submitted to Track 4.0, putting it in the 6th position among the 18 total tracks of ISCAS 2019. Detailed numbers and papers distribution were presented on slides shown during the meeting.

Abdelali El Aroudi stated that 43 papers out of 89 were accepted for presentation, with an acceptance rate of about 48%. (44 rejected papers and 2 withdrawn papers). These papers were distributed in 10 sessions, including 7 lecture sessions (32 papers) and 3 poster sessions (11 posters). In addition to the papers accepted for Track 4.0, there were other special sessions organized and/or contributed by the PECAS TC members, which were not counted in the total number of accepted papers. In particular, under the PECAS-TC endorsement a special session on “Enhanced Design of Power Converters with Non-linear Power Components” was proposed, organized and co-chaired by Giulia Di Capua, with total 9 papers presented in the frame of two lecture sessions.

Abdelali El Aroudi also thanked the 28 RCMs that served Track 4.0 to help with the paper reviewing process. On average, each paper received 3.9 reviews with excellent feedback from reviewers.

Regarding the review process, not all RCMs received the same number of papers and this reflected a non-uniform distribution of submissions across the sub-tracks. Each RCM received between 2 and 9 papers. The review process went smoothly, unless for a complaint from one authors whose paper was rejected.

Summary of Activity of PECAS TC (June 2018-May 2019)

Abdelali El Aroudi presented the TC members’ activities between the ISCAS2018 in Florence, Italy, and ISCAS 2019 in Sapporo, Japan. The track record of TC members’ publications is significant. TC members received awards and honors, served in technical and program committees and in leadership positions in CASS, as well as in several editorial boards. These activities are listed in the IEEE PECAS-TC annual report 2018/19 available at: <https://iee-cas.org/community/technical-committees/power-and-energy-circuits-and-systems-technical-committee-pecas/reports-and-minutes>

4) Communications

Abdelali El Aroudi reminded that the update of the CASS EDICS (Editors’ Information Classification Scheme) was completed in October 2018. He thanked the TC members for their contributions. A summary of the discussion is given hereinafter.

Reasons for EDICS restructuring

- IEEE journals have a set of EDICS that aim to structure and index the technical topics better describing a given journal, with the aim of facilitating the identification of an appropriate Associate Editor (AE) and/or reviewers
- TCAS-1 EDICS have not been revised since a decade ago and some of them became obsolete
- Some authors felt not represented in the society and their papers are being rejected (sometimes without review) simply because the Editor-in-Chief cannot determine the most appropriate AE to handle them
- Addition of new EDICS related to emerging topics is needed in order to better reflect the interests of our authors as well as to attract new ones

Identified “emergent topics” in CASS

- Security in hardware: cross-layer
- Quantum computing circuits
- Wireless networks-on-chip for manycore processors
- Nano-satellite electronics for energy and communications: swarms for Earth Observation
- Complete bio-implants: distributed, event-driven, efficient compressed sensing
- AI efficient co-processor architectures IoT/BaN (edge DL computing)
- IoT: video technology
- Autonomous systems: cyber-physical system encompassing distributed communication, wireless communication and control

Abdelali El Aroudi asked the attendees for any other communications. There was no further communication from the audience.

5) Proposed Activities for 2019/20

Abdelali El Aroudi informed about the important dates for ISCAS 2020, which will be held in May 2020, in Seville, Spain.

Abdelali El Aroudi solicited all TC members to be active in proposing initiatives in the frame of ISCAS 2020, such as Special Sessions (SS) and Tutorials. He also encouraged the proposal of SS in the frame of other CASS sponsored conferences and Special Issues (SI) in CAS-related journals. 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 SIs on emerging topics related to PECAS in IEEE CASS journals.

6) New Business (if any)

Abdelali El Aroudi reminded that ISCAS 2019 represents officers' term ending. Accordingly, Abdelali El Aroudi will be designed as PECAS-TC Past Chair and Tyrone Fernando, current Chair-Elect, will be the new TC Chair.

Two Chair-Elect candidate proposals came from the audience: Zhen Li, Beijing Institute of Technology, Beijing, China, and Junrui Liang, Shanghai Tech University, Shanghai, China. Both expressed their interest to serve as Chair-Elect in the PECAS TC. Members in the TC had no objections on both candidates and suggested that they provide further information before casting the votes for the Chair-Elect open position.

Giulia Di Capua eventually suggested that the TC could appoint a secretary as it normally happens in other CASS TCs, according to the PECAS-TC bylaw, to support the Chair and Chair-Elect actions, handle communications and take care of the TC webpage. She volunteered for such position.

Both the Chair-Elect election and the secretary appointment were postponed to email votes.

*** June 2019 update ***

As for the Chair-Elect election, after some personal considerations, Junrui Liang withdrew his candidacy as stated hereafter (cit.): *“After a double consideration and discussion with Zhen, I think I would like to withdraw the application this time and fully support Zhen's case towards the Chair Elect position. I enjoy ISCAS and being a member of the PECAS TC. I am still willing to serve our community, no matter sooner or later.”*

As new Chair, Tyrone Fernando thanked Junrui Liang for his continual and invaluable support to the PECAS TC and willingness to take-up such a role at some point in the future, when an opportunity becomes available. Accordingly, on behalf of the TC, Tyrone Fernando congratulated Zhen Li on his appointment as the Chair Elect of the IEEE PECAS TC.

As for the secretary position, Tyrone Fernando proceeded checking if there were objections to fill such a role within the TC and asked for possible volunteers. No objections and no further volunteers came. Accordingly, on behalf of the TC, Tyrone Fernando congratulated Giulia Di Capua on her appointment as the Secretary of the IEEE PECAS TC.

The 2019-21 officers of the IEEE PECAS TC (**ending term: ISCAS 2021**) were eventually defined as follows:

Past Chair: Abdelali El Aroudi, Universitat Rovira i Virgili, Tarragona, Spain

Chair: Tyrone Fernando, University of Western Australia, Perth, Australia

Chair-Elect: Zhen (Daniel) Li, Beijing Institute of Technology, Beijing, China

Secretary: Giulia Di Capua, University of Salerno, Fisciano, Salerno, Italy

7) Meeting Adjournment

As a closing remark, Abdelali El Aroudi once again thanked all the present attendees for their participation and active involvement, which made this ISCAS a big success for our TC. The members thanked the Chair for the excellent services. The meeting was adjourned at 12:45.

8) Attendees List

#	Name	Affiliation	Country
1	Abdelali El Aroudi	University Rovira i Virgili	Spain
2	Tyrone Fernando	University of Western Australia	Australia
3	Giulia Di Capua	University of Salerno	Italy
4	Zhen (Daniel) Li	Beijing Institute of Technology	China
5	Mummadi Veerachary	Indian Institute of Technology of Delhi	India
6	Junrui Liang	ShanghaiTech University	China
7	(Adam) Liu Dong	The Hong Kong Polytechnic University	Hong Kong
8	(Lucia) Li Xiaolu	The Hong Kong Polytechnic University	Hong Kong
9	Hiroo Sekiya	Chiba University	Japan
10	Herbert Iu	University of Western Australia	Australia
11	Yongxiang Xia	Hangzhou Dianzi University	China
12	Hiroataka Koizumi	Tokyo University of Science	Japan
15	Dimitri Galayko	Sorbonne University	France
16	Elkim Roa	Universidad Industrial de Santander	Colombia

*** Minutes taken by Tyrone Fernando and handled by Giulia Di Capua

*** Revised and confirmed by September 23rd, 2020.