

IEEE CAS Power and Energy Circuits and Systems Technical Committee

<http://iee-cas.org/community/technical-committees>

May 30th, 2017. 12:30-13:30

Location: Falkland Room, Baltimore Marriott Waterfront Hotel, USA

This documents makes use of the following acronyms

CASS	Circuits and Systems Society
ISCAS	International Symposium on Circuits and Systems
PECAS	Power and Energy Circuits and Systems
TC	Technical Committee
TCAS (TCAS-I and TCAS-II)	IEEE Transactions on Circuits and System (-I and -II)
RCM	Review Committee Members

Minutes:

The Power and Energy Circuits and Systems Technical Committee (PECAS TC) was held on May 30th, 2017, during ISCAS2017, in Baltimore, USA, in Falkland Room of the Baltimore Marriott Waterfront Hotel.

1) Introductions of Attendees

The committee Chair-elect, Dr. Abdelali El Aroudi, introduced himself and opened the meeting at 12:35 and welcomed all attendees. The chair of the TC Prof. Chia-Chi could not attend the conference.

2) Circulated the proposed Agenda and Past Minutes for the PECAS TC meeting at ISCAS 2016

The attendance-signup sheet was circulated and the meeting agenda was proposed by the TC Chair. The proposed agenda was unanimously approved. At the same time, all TC officers and attendees briefly introduced themselves.

3) Approval of Minutes from Last Meeting (ISCAS 2016, Montreal, Canada)

Copies of the minutes were circulated among the present TC members by Fernando Tyrone. Abdelali El Aroudi called to approve the minutes. The minutes were approved by rise of hands by all members.

Minutes of PECAS TC meeting in 2016 were circulated among the members who were present and were unanimously approved.

4) Communications

Technical Activities Division meeting
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Sergio Callegari from the ISCAS 2018 committee reported on the annual Technical Activities Division meeting (TC Chairs meeting with the CASS Technical Activities Vice President, Eduard Alarcon). Sergio Callegari informed the participants that a number of strategic changes would be introduced at the Society level and at ISCAS 2018, and the Committee should base its strategic planning on this information. The Circuits and Systems Society will focus on Applications, Industry, Multi-Disciplinarity and Emerging Topics, and these will also be reflected in how ISCAS

will be organised.

(i) ISCAS 2018 will keep the conventional Track Structure and the new Theme Structure introduced in 2017.

- (ii) CASS introduced Special Interest Groups that are flexible groups on cross-disciplinary topics.
- (iii) ISCAS 2018 will offer options for selected papers to be published in IEEE Transactions on Circuits and Systems I and II.

Sergio Callegari stressed that the committee must adjust to be able to deal with these global changes.
 Planning for ISCAS 2018

With regard to ISCAS 2018 details, Sergio Callegari confirmed that the revised Nonlinear Track structure, introduced at ISCAS 2017, is going to stay at ISCAS 2018; as well as the additional Theme structure, also introduced at ISCAS 2017. The option to select the primary and secondary sub-tracks for multi-disciplinary papers will also be the case at ISCAS 2018. Among the new implementations at ISCAS 2018:

- (i) The ISCAS 2018 organisers will introduce an author satisfaction survey on the quality of the review process. This will be mandatory for the authors of accepted papers.
 - (ii) The accepted papers for ISCAS 2018 will be available prior to the conference with no fees for a limited period of time through IEEE Xplore. This aims at improving the visibility of the conference.
 - (iii) The ISCAC proceedings on IEEE Xplore will be given a “new look”, and the presentation of the proceeding will reflect the theme structure.
 - (iv) The ISCAC ISCAS organisers will offer “channels” to publish conference papers in IEEE TCAS-I. Some selected papers will be offered a chance to be published directly in TCAS-II. Recommendations to publish selected papers in TCAS-I and TCASII will rely on reviews, and the review process will be even more important. Sergio Callegari highlighted that the TC must follow tighter deadlines and be more organised to perform a successful review process.
 - (v) ISCAS 2018 will change the usual format of its call-forpapers from four pages to four pages plus one page of references. This is aimed at improving citations and ensuring better referencing of the literature.
- Sergio Callegari then informed that the “Communications” part of the meeting is over.

4) Chair’s Report for Activities 2016/17 – Presented by Abdelali El Aroudi

The activities were summarized and shown to members by Abdelali El Aroudi who informed that the PECAS PECAS-TC has just one track chair due to the ISCAS TC suggestion.

During the period 2016-2017 between ISCAS2016 at Montreal, Canada. and ISCAS 2017 at Baltimore, USA

- ✓ IEEE CAS-I: Philp K. T. Mok (AE) Ker-Hong Chen (AE)
- ✓ IEEE CAS-II: Chi K. Michael Tse (EIC), Ho Ching Herbert Iu (AE)
- ✓ IEEE JETCAS: Eduard Alarcon (Deputy EIC), Hsiao-Dong Chiang (SEB) , Ho Ching Herbert Iu (SEB)
- ✓ One JETCAS Special Issue (June 2017) : Ho Ching Herbert Iu, Chia-Chi Chu, Chika Nwankpa, and Chai Wah Wu.

Summary of Activity of PECAS TC: ISCAS 2015

Dr. Chia-Chi Chu reported that 1666

papers were submitted to ISCAS 2016. 80 papers out of the 1666

were submitted to track 4, putting it in the 9th position among the 18 tracks

of ISCAS 2017. Dr. Chia Chi stated that 41 papers (51%) out of 80 were accepted for presentation. These papers were distributed as follows:

- 4 Regular Sessions: 19 papers
 - Power Converters I : 5 papers
 - Power Converters II: 5 papers
 - Circuits & Systems for Energy Harvesting: 4 papers
 - Energy Grids & Systems: 5 papers

- 2 Poster Sessions: 22 papers
 - Power & Energy Modeling, Analysis, and Design: 11 papers
 - Power Transfer & Charging Circuits: 11 papers

He also thanked the RCMs that accepted invitations to help with paper reviewing process. Abdelali El Aroudi highlighted that no special session were organized by members of PECAS TC and mentioned the importance of keeping the momentum as an opportunity to increment the activities of this committee. Next, Abdelali El Aroudi presented the numbers of submitted papers to track 4 in ISCAS since 2016, showing a slightly decrease in the last year yet maintaining the participation in an acceptable level, in the last 4 years:

ISCAS 2017: 80 papers submitted; 41 accepted (51 %)
 ISCAS 2016: 90 papers submitted; 38 accepted (42%)
 ISCAS 2015: 86 papers submitted; 42 accepted (48.8%)

which is of the significance of PECAS TC in terms of the total numbers of submissions. Next, Abdelali El Aroudi presented the TC member activities between the ISCAS2016 at Montreal, Canada, and the ISCAS2017 at Baltimore, USA. These activities are summarized as follows:

During the period 2016-2017 between ISCAS2016 at Montreal, Canada. and ISCAS 2017 at Baltimore, USA

- ✓ IEEE CAS-I: Philp K. T. Mok (AE) Ker-Hong Chen (AE)
- ✓ IEEE CAS-II: Chi K. Michael Tse (EIC), Ho Ching Herbert Iu (AE)
- ✓ IEEE JETCAS: Eduard Alarcon (Deputy EIC), Hsiao-Dong Chiang (SEB) , Ho Ching Herbert Iu (SEB)
- ✓ One JETCAS Special Issue (June 2017) : Ho Ching Herbert Iu, Chia-Chi Chu, Chika Nwankpa, and Chai Wah Wu.

5) Main Issues for Discussion:

A summary of the discussion is given below:

1. Changes to bylaws have been successfully implemented. Both Chair and Chair Elect will serve for two years, and the Chair Elect will take up the role of Chair once the two-year term of Chair Elect has been completed.
2. Prof. Tse suggested dropping the active member status in the current bylaws.
3. Dr. Abdelali El Aroudi encouraged members to organize Special Sessions in ISCAS 2018 and Special issues in CAS journals.
4. Dr. Aldelali El Aroudi encouraged members to submit papers to TCAS I, II and JETCAS.
5. Some members reported that their work in the areas of Power Systems and Power Electronics were usually rejected by TCAS I without a solid review and probably this is due to the lack of an expert AE from our TC.

5) Committee Bylaws – changes and updates (if any)

Dr. Aldelali El Aroudi reported that the change of bylaws as suggested by CASS BoG have been successfully implemented.

6) Nomination of the Chair-Elect :

Two candidates have been presented. Dr. Xiaozhe Wang nominated by Prof. Chia Chi and Prof. Tyrone Fernando nominated by Prof. C. K. Tse. The attendees voted and finally Prof. Tyrone Fernando has been elected as Chair-Elect.

7) Proposed Activities for 2017/18

- DLP 2017-2018
- Special Sessions for ISCAS 2018
- Special Sessions for other CASS sponsored conferences
- Other activities

Dr. Zhen Li as the lead guest editor and Dr. Tyrone Fernando and Dr. Ian Hiskens as coeditors is working on special issue on Cyber Physical Systems to be submitted to JETCAS.

Dr Herbert Iu and C.C. Chu has already published two special issues in JETCAS

Dr. Abdelali El Aroudi informed the important dates for ISCAS 2018:

- ISCAS2018: May 27 - 30, 2018, Florence, Italy:
 - Proposals for Special Sessions: Oct. 9, 2017
 - Proposals for Tutorials: Jan. 13, 2017
 - Submission for Regular Sessions: Oct. 13, 2017
 - Notification: Jan. 08, 2018

8) New Business (if any)

No new business were reported by attendance.

9) Meeting Adjournment

As a closing remark, the 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 specifically thanked the Chair-Eelect , the chair and Past Chair for their excellent services. The meeting was adjourned at 13:30.

10) Attendees List

	Name	Affiliation	Nation
1	Hiroo Sekiya	Chiba University	Japan
2	Abdelali El Aroudi	University Rovira i Virgili	Spain
3	C. K. Michael	Hong Kong Polytechnic University	Honk Kong
4	Hirokata Kiozimi	Tokyo University of Science	Japan
5	Xiaozhe Wang	McGill University	CA
6	Fernando Tyrone	University of Western Australia	Australia
7	Junrui Liang	Shanghai Tech University	China
8	Dong Ha	Virginia Tech	USA
9	Zhen Li	Beijing Institute of Technology	China

Officers: Term Ending ISCAS17:

Past Chair: Dr. Chia-Chi Chu (ccchu@ee.nthu.edu.tw)

Chair: Dr. Abdelali El Aroudi (abdelalui.elaroudi@urv.cat)

Chair Elect: Dr. Tyrone Fernando (tyrone.fernando@urv.cat)

Minutes taken by

Dr. Tyrone Fernando, Chair-Elect PECAS-TC,

Revised and confirmed by August 2nd 2017.

August 2nd, 2017.