

## IEEE CAS Power and Energy Circuits and Systems Technical Committee

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

Tuesday 29<sup>th</sup> May, 2018. 13:15-14:15

Location: Room VVG.7, Firenze Fiera Congress and Exhibition Center, Florence

### Minutes:

The Power and Energy Circuits and Systems Technical Committee (PECAS TC) was held on 29<sup>th</sup> May 2018, during ISCAS2018, in Florence, Italy, in Firenze Fiera Congress and Exhibition Center.

### 1) Introductions of Attendees

The committee Chair, Dr. Abdelali El Aroudi, introduced himself and opened the meeting at 13:15 and welcomed all attendees.

### 2) Circulated the proposed Agenda and Past Minutes for the PECAS TC meeting at ISCAS 2017

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.

The following new members joined the PECAS TC:

Chi Tsun (Ben), Cheng, Hong Kong Polytechnic University, [ctcheng@ieee.org](mailto:ctcheng@ieee.org)

Yongxiang Xia, Zhejiang University, China, [xiayx@zju.edu.cn](mailto:xiayx@zju.edu.cn)

Suli Zou, ETH Zurich, Switzerland, [sousu@control.ee.ethz.ch](mailto:sousu@control.ee.ethz.ch)

Valentina Cecchi, UNC Charlotte, USA, [vcecchi@uncc.edu](mailto:vcecchi@uncc.edu)

Daniel Molzahn, Argonne National Laboratory, [dan.molzahn@gmail.com](mailto:dan.molzahn@gmail.com)

Aleksandra Lekic, Belgrade University, [lekic.aleksandra@etf.rs](mailto:lekic.aleksandra@etf.rs)

### 3) Approval of Minutes from Last Meeting (ISCAS 2017, Florence, Italy)

Minutes of PECAS TC meeting in 2017 were circulated among the members who were present and were unanimously approved.

### 4) Chair's Report for Activities 2017/18 – Abdelali El Aroudi

Summary of Activity of PECAS TC: ISCAS 2018

Dr. Abdelali reported that 1881 papers were submitted to ISCAS 2018. 105 papers out of the 1881 were submitted to track 4, putting it in the 6th position among the 17 tracks of ISCAS 2018. Dr. Abdelali stated that 61 papers (58%) out of 105 were accepted for presentation. These papers were distributed in 9 lecture sessions (38 papers), 2 poster sessions (25 posters). He also thanked the 28 RCMs that served Track 4 to help with the paper reviewing process. On average each paper received 4.1 reviews with excellent feedback from reviewers.

Dr. Abdelali highlighted that in addition to the 61 papers that were accepted for Track 4, there were other 5 special sessions contributed by the PECAS TC, which were not counted in the 61 accepted papers.

Next the chair presented the TC member activities between the ISCAS2017 at Baltimore, USA, and ISCAS 2018 at Florence, Italy, by the members of the PECAS-TC. These activities are summarized as follows:

- Prof. Gabriel A. Rincon-Mora Elected Fellow of the American National Academy of Inventors (NAI), 2017
- Prof. Gabriel A. Rincon-Mora served as a Distinguished Lecturer for IEEE
- Prof. Guido Torelli served as an IEEE Transactions on Circuits and System Part I

- Prof. Ke-Horng Chen has served as Associate Editors for IEEE Transactions on Circuits and System Part I and IEEE Transactions on Power Electronics
- Prof. Michael Tse served as the Editor-in-Chief for IEEE Transactions on Circuits and System Part II
- Prof. Tyrone Fernando and Prof. Herbert Iu served as Associate Editors for IEEE Transactions on Circuits and System Part II and IEEE Access
- Prof. Herbert Iu has Associate Editors for IEEE Transactions on Power Electronics
- Prof. Abdelali served as Guest Associate Editors for IEEE Transactions on Circuits and System Part II

## 5) Main Issues for Discussion:

A summary of the discussion is given below:

1. EDICS re-structure: IEEE journals have a set of EDICS that aim to structure and index the technical topics that better describe a given journal with the aim of facilitating the identification of an appropriate AE and reviewers.
2. Reasons for restructuring
  - EDICS have not been revised since a decade ago
  - Some EDICS became obsolete
  - Many authors feel not represented in the society and their papers are being rejected, some times without review !!! simply because the EiC cannot determine who is the appropriate AE
  - Addition of new ones related to emerging topics
3. The following topics were identified as emergent topics in CASS
  - Security in hardware: cross-layer
  - Quantum computing circuits
  - Wireless networks-on-chip for manycore processors
  - NanoSatellite 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)
  - IoVT: video technology
  - Autonomous systems: cyberphysical system encompassing distributed communication, wireless communication and control

## 6) Proposed Activities for 2018/19

- DLP 2018-2019
- Special Sessions for ISCAS 2019
- Tutorials for ISCAS 2019
- Special Sessions for other CASS sponsored conferences
- Special issues in CAS journals
- Raise/maintain the number of ISCAS submissions in PECAS area
- Raise/maintain the number of SS proposals on emerging topics related to PECAS
- Propose Special Issues on emerging topics related to PECAS in IEEE JETCAS
- Other activities

Dr. Abdelali El Aroudi informed the important dates for ISCAS 2019:

- ISCAS2019: May 26 - 29, 2019, Sapporo, Japan:
  - Proposals for Special Sessions: Oct. 8, 2018
  - Proposals for Tutorials: Dec. 17, 2018
  - Submission for Regular Sessions: Oct. 15, 2018
  - Notification: Jan. 14, 2019

## 8) New Business (if any)

No new business were reported by attendance.

## 9) Meeting Adjournment

As a closing remark, the Chair 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 for the excellent services. The meeting was adjourned at 14:15.

## 10) Attendees List

	<b>Name</b>	<b>Affiliation</b>	<b>Nation</b>
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 Univ. of Science	Japan
5	Fernando Tyrone	University of Western Australia	Australia
6	Junrui Liang	Shanghai Tech University	China
7	Zhen Li	Beijing Inst of Tech	China
8	Gabriel A Rincon-Mora	Georgia Tech	USA
9	Costas Vournas	NTUA	Greece
10	Y Xia	Zhejiang University	China
11	Chi Tsun (Ben) Cheng	Hong Kong Polytechnic University	Hong Kong
12	Herbert Iu	University of Western Australia	Australia
13	Valentina Cecchi	UNC Charlatte	USA
14	Dan Molzahn	Arganne National Laboratory	USA
15	Mani Venkatasubramanian	WSU	USA
16	Le Ren Chang-Chien	National Cheng Kung University	Taiwan
17	Suli Zou	ETH	Switzerland
18	Giulia Di Capva	University of Salerno	Italy
19	Ian Hiskens	University of Michigan	USA

Officers: Term Ending ISCAS19:

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

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

Minutes taken by

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

Revised and confirmed by May 24<sup>th</sup>, 2019.

May 24<sup>th</sup>, 2019.