



Biomedical and Life Science Circuits and Systems (BioCAS) Technical Committee Minutes

Date: May 30th, 2017

Time: 12:30pm – 1:30pm

Venue: Atlantic Room – Marriott Waterfront, Baltimore, Maryland, USA

Compiled by: Jennifer Blain Christen, Arizona State University, USA

Attendees

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1. Opening

Julio Georgiou welcomed the TC members and opened the meeting.

2. Introduction and Approval of the meeting agenda.

Julio Georgiou introduced the agenda and the TC unanimously approved the proposed agenda.

3. Minutes

The 2016 TC meeting minutes was approved unanimously.

4. Election of new members.

There were 3 nominations submitted prior to the TC meeting. The 3 nominations were:

- (1) Maurizio Valle (nominated by Danilo DeMarchi)
- (2) Vasiliki Giagka (nominated by Wouter Serdijn)
- (3) Matthew Johnston (nominated by Julius Georgiou)

All 3 candidates were approved unanimously.

5. Proposed Changes to the Bylaws for Membership.

Julius Georgiou proposed the following changes to membership. Three levels of membership would be defined as:

1. Full TC Member
 - Must contribute regularly otherwise are removed
 - Must show independent career path > PhD+2 years experience
2. Life TC Member
 - Very high profile, usually IEEE Fellows, occasionally contribute
3. Associate TC Member (no voting rights & no RCM status)
 - Young postdocs < PhD+2 years that may not have a tenure track position and are not fully independent in career path

The TC members voted unanimously to move forward with changes to the membership levels.

6. TC Activities Report

- *BioCAS track of ISCAS 2016*
 - Submissions: 132 (7% increase from 2015)
(2016: 123, 2015: 103, 2014: 120, 2013: 122, 2012: 163, 2011: 74, 2010: 85)
 - Submission ranks 3rd among TC
 - Accepted papers: 59 (~ 45%)
 - 8 lecture sessions, and 2 poster sessions.
 - TC members also organized 3 special sessions and 1 CAS-FEST.
 - 53 RCMs, a total of 530 reviewers were assigned, with an average of 4 reviewers per paper. The average review per paper received was 3.8
 - 20 members from the TC volunteered to serve as session chairs for the

- 8 lecture and 2 special sessions.
- Mohamad Sawan and Guoxing Wang have arranged guest editors for the TBioCAS special issue.
- *BioCAS track of ISCAS 2017, best paper award*
 - Top 8 papers receiving highest scores were reviewed for best paper award.
 - Award subcommittee: Ibrahim Efadel, Pedro Julian, Ge Tong, Kiichi Niitsu, Jiang Dai, Hanjun Jiang, and Christoh Posch
 - This year the winner is:
 - **"A Fully Integrated Wireless Sensor-Brain Interface System to Restore Finger Sensation"** by Xilin Liu, Hongjie Zhu, Milin Zhang, Xiaotie Wu, Andrew G. Richardson, Srihari Y. Sritharan, Dengteng Ge, Yang Shu, Timothy H. Lucas and Jan Van der Spiegel
- *BioCAS 2016*
 - BioCAS 2016 was held in Shanghai, China from Oct. 17th to 19th.
 - A total of 274 papers were submitted to BioCAS'16, a 16% decrease compared to BioCAS'15. Geographical representation of these submissions to the IEEE BioCAS 2016 is 160 from Asia/pacific, 67 from Europe, 43 from North American, 4 from Middle East/Africa.
 - Out of these, 159 papers were accepted by the technical program committee for presentation at the conference, which was an acceptance rate of 58%.
 - 53 Review Committee Member obtained a total of 1054 reviews with an average of 3.8 reviews per paper.
- *BrainCAS 2016*
 - Timothy Constantinou reported on BrainCAS 2016
 - Location: Hangzhou, China.
 - Date: Oct. 20th to 21st, 2016.
 - Two-day workshop attended by a total of 86 participants
 - Shifted the focus from a traditional "presenter-focused" workshop to one that all participants interacted and contributed
- *IEEE Transactions on Biomedical Circuits and Systems (TBioCAS)*
 - Editor in Chief: Mohamad Sawan
 - Deputy Editor-in-chief : Guoxing Wang
 - Sponsorship: IEEE Circuits and Systems Society and IEEE Engineering in Medicine and Biology Society
 - **Year in existence: 11**
 - Time to review: 47.9 days to first decision and 62 days to final decision
 - Submissions decreased 4% to currently 278 submissions annually.
 - The impact factor is 2.1, 5-year IF 2.89

ISCAS 2018

- Gianluca Setti talked about ISCAS 2018.
 - Track structure of ISCAS2017 will be adopted
 - Continuation of Themes
 - Primary and Secondary subtrack selection
 - Open preview – proceedings freely available prior to the conference
 - 4 pages + 1 page references
- Needs 3 subject chairs for ISCAS 2018 appointed by TC
 - Julio, Samuel, Jennifer were appointed.

7. BioCAS 2017

- Danilo Demarchi talked about BioCAS 2017 in Turin, Italy which will include

FoodCAS

8. DL nomination and approved (congratulations)

- Two DLs from the BioCAS TC were approved:
 - Pantelis Georgiou
 - Hao Yu

9. New IEEE Fellows (congratulations)

- Zihua Wang
- Donald Lie

10. Awards (congratulations)

- IEEE-wide Donald Fink Award (Gruev)
- IEEE CAS Meritorious Service Award (Wouter)

11. Meeting Adjourned