

ISCAS 2018 MSA TC Meeting Minutes

May 28, Florence, Italy

Attendees:

| First Name | Last Name | Affiliation | Email |
|-------------|-----------|---|--|
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Discussed issues:

1. Approved ICME 2017 meeting agenda
2. Review of the annual report (25 out of 50 voting members submitted). MSA TC played active roles in IEEE journals, ISCAS, and ICME. Several of our members are the leaders in IEEE. 20 of our 50 voting members are IEEE fellows. Chia-Wen Lin, Yihong Gong, and Pascal Frossard were elevated to IEEE Fellows in 2017. MSA TC is a healthy and active TC.
3. ISCAS 2018 Statistics: 34 submissions and 18 accepted papers of our track, which occupied 1.8% of ISCAS this year and was the second lowest track in terms of submission, just above "Education in Circuits and Systems". Among the subtracks, there were no submission in 12.1) Multimedia indexing, search, and retrieval, 12.7) Social and Web Multimedia, and only two submissions in 12.10) Specialized Deep Learning Algorithms.

4. To promote submissions to the MSA tracks in ISCAS, the following ideas were discussed:
 - Invite authors of accepted TMM papers to present in ISCAS but need to make sure that they count towards our track
 - Support TC members to organize special sessions but again need to ensure that they count towards our track
 - Approach authors of papers in ICASSP and others that are of relevant theme to submit
 - Identify ways to encourage TC members and affiliates to submit
5. IEEE Technical Activity Division Meeting Report. Messages from VP of Technical Activities (Eduard Alarcon): 1) ISCAS 2018: open access 30 days before conference, new 4 page + 1 format, easier path to TCAS-1 and TCAS-2. 2) TC are generally healthy; 3) Interdisciplinary and Multidisciplinary collaborations; 4) 2 new industry workshop and one new conference (more below); 5) four SiGs: IoT, Modeling, Flex, and Ethics; 6) revise EDICS for TCAS-1 (more below); 7) identify emerging topics (more below)
6. Key messages from Eduard: four pillars
 - Consolidate and extend industry participation and technical leadership in emergent topics
 - Technical traction: identify, solicit and lead emergent topics
 - Consolidate CASS Books series in emergent topics
 - At the verge of VPTA and VPPubs: re-structuring EDICS
7. Industry Workshops: IBM/CASS/EDS workshop at IBM TJ Watson (October, 2017) and CASS Silicon Valley at Intel (September, 2018)
8. Suggested revision of EDICS for TCAS-1 relevant to our TC
 - Keep all existing relevant EDICS
 - Add relevant EDICS from TMM
9. Emerging topics:
 - 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)
 - IoT: video technology

- Autonomous systems: cyberphysical system encompassing distributed communication, wireless communication and control

10. Changes in Sub-committee

- Shao-Yi Chien will chair TC by-law/P&P sub-committee
- Wenjun Zeng will chair Membership and election sub-committee
- Samson Cheung will chair new Promotional activities sub-committee
- Encourage members to participate in sub-committee activities

11. T-MM Subcommittee Report:

- Page increase: +500 for 2018 and proposed increase to 3000 to 3600 pages/year in 2019 – CASS and COMSOC OK with proposal but wants tighter control of acceptance rate, still waiting from approval from the other two society Diversity: 1 from each region (America, Europe, Asia/Pacific)
- AE nomination from our TC: Marta Mrak (US), Meng Wang(Asia)

11. ICME Steering Committee Report:

- ICME SC Representatives: Tao Mei, Junsong Yuan, and Zicheng Liu
- ICME 2019 in Shanghai – TPC Co-chair election would held in June 2018.

12. ICME 2018 Preparation Report by C.-C. Jay Kuo

- Number of Paper Submissions: Regular Program & Special Sessions: 582; Workshops: 103; Industrial/Application Track: 27; Grand Challenges: 9; Demos: 7
- Number of Accepted Papers: Regular Program & Special Sessions: 175; Workshops: 66; Industrial/Application Track: 19; Grand Challenges: 6; Demos: 6
- Members are all strongly encouraged to register and participate ICME 2018 in San Diego!

13. New Activity: AICAS 2019 (First International Conference on Artificial Intelligence Circuits and Systems)

- March 18-20, 2019 in Hisinchu, Taiwan (www.aicas2019.org)
 - ✦ Submission of Special Sessions Proposals: Aug. 10, 2018
 - ✦ Submission of Regular Papers and Special Session Papers: Sept. 17, 2018
 - ✦ Submission of Live Demo Proposals: Sept. 17, 2018
 - ✦ Submission of Tutorial Proposals: Nov. 12, 2018
- Key roles from our TC: Technical Program Co-Chair (Shao-Yi Chien), Plenary Co-Chairs (Yen-Kuang Chen, Zicheng Liu), Panel Session Co-Chair (Chia-Wen Lin)
- TC members were strongly encouraged to support this new conference.

14. New Member Election

- Term: 2018/9~2022/8
- 11 members whose term will finish at the end of August 2018: Xiao-Ping Zhang, Xian-Sheng Hua, Xiaoyan Sun, Maria Trocan, Mladen Berekovic, Susanto Rahardja, Yap-Peng Tan, Rongshan Yu, Junsong Yuan, Ying Li, Nam Ling
- 11 new members will be elected by email by early July
- Nomination deadline: June 15, 2017 [sent to Wenjun Zeng (wezeng@microsoft.com) and Shao-Yi Chien (sychien@ntu.edu.tw)]
- The above 11 members who will finish their term in August can be nominated, but cannot vote if he/she is a candidate
- Election will be conducted by email in late June or early July.
- Balance in member distribution: gender, geographical location, occupation, and research expertise
- Each nomination should include (1) main research areas, (2) brief bio, and (3) a sentence to show willingness to serve

15. No nomination of affiliate members