

APSIPA 2014 Signal Processing Systems Technical Committee Minutes of Meeting at Siam Reap, Cambodia

Date: December 11th, 2014, Monday

Time: 12:00 PM

Place: The Lounge, Sokha Angkor Resort, Siem Reap, Cambodia

Past Chair: Prof. Akinori Nishihara Tokyo Institute of Technology

Chair: Prof. Takeshi Ikenaga Waseda University

Vice Chair: Prof. Chris Gwo Giun Lee National Cheng-Kung University

Secretary: Prof. Jiun-In Guo (Skyped) National Chiao-Tung University

Meeting

Minutes by: Prof. Jia-Ching Wang National Central University

Prof. Gwo Giun Chris Lee National Cheng-Kung University

Attendees:

TC Members:

Prof. Woon-Seng Gan Nanyang Technological University

Prof. Takao Onoye Osaka University

Prof. Hiroshi Tsutsui Hokkaido University

Prof. Jia-Ching Wang National Central University

Observer:

Prof. Yoshikazu Miyanaga Hokkaido University

Invited:

Prof. Sunwoo Kim Hanyang University

Meeting minutes:

1. Confirmed the TC member list
2. Confirmed the meeting minutes of the last TC meeting (2013 APSIPA SPS)
 - Went through meeting minutes of the 2013 APSIPA SPS TC meeting_v2_20131110 and Member list: SPS TC Directory 20140505 which was also attached
3. Takeshi briefed on the APSIPA Technical Activity Board Meeting; provided overall view for APSIPA ASC 2014; and shared the paper submission status in regular SPS sessions for 2014:
 - Takeshi noted on the field of interests for SPS TC with emphasis in systems:
 - ◆ The fields of interests includes:
 - Analog/Digital LSI and Systems
 - Hardware/Software Systems
 - Image/Video Processing and Coding Systems
 - Multimedia Systems
 - Computer Vision/Graphics Systems
 - Speech/Audio Processing Systems
 - VLSI communication Systems
 - Design Methodologies and CAD Tools for Signal Processing Systems
 - ◆ Prof. Takao Onoye suggested that specific application systems be also listed
 - The TC member situation was also reviewed and discussed by Takeshi:
 - ◆ Number of TC members
 - 2010(starting): 16 ⇒ 2011: 19 ⇒ 2012: 27 ⇒ 2013: 33
 - ◆ Industry
 - 0 ⇒ 3 (NEC, MStar, Nvidia)
 - ◆ Country

- Japan: 9, Taiwan: 7, China: 5, Thailand: 3, USA: 2, Singapore: 2, Korea: 2, Indonesia: 1, Vietnam: 1, Sweden: 1
- Takeshi remarked on the APSIPA ASC this year
 - ◆ Contribution to TPC of ASC2014
 - TPC co-chair, 4 meta reviewers, many reviewers
 - ◆ CFP for general session: 10 (2013) → 15 (2014)
 - ◆ Special session organization
 - ASC 2010: One special session for low power: “Ultra-Low Power and Low Energy Design for Signal Processing”
 - ASC 2011: Two special sessions for low power and high performance systems: “Energy-Efficient Signal Processing Systems for Future Portable Devices” and “GPGPU and Many-core Platform for Future Computing Application”
 - ASC 2012: One special session for media signal processing system: “Advances in Circuits and Systems for Multimedia Processing and Analysis”
 - ASC 2013: Two special sessions: “Design and Implementation for High Performance & Complexity-Efficient Signal Processing Systems” and “Algorithm and Architecture for Orange Computing”
 - ASC 2014: Two special sessions: “Emotion recognition and synthesis” and “Advanced Signal Processing for Internet of Things (IoT) and Multimedia
- Takeshi also suggested to collaborate with Biomedical Signal Processing TC to make our papers more versatile and robust
- Other activities in our SPS TC in the last three years includes:
 - ◆ Promotion of APSIPA Transaction and Friend lab
 - ◆ Promotion of technical exchange among TC members which Takeshi personally visited the following 7 universities to promote APSIPA:
 - Fudan University,
 - Shanghai Jiao Tong Univ.
 - Tokyo Institute of Technology
 - Tsinghua University Beijing
 - National Chia Tung University, Hsinchu
 - National Cheng Kung University
- Takeshi reported on the current problems we are facing
 - ◆ Conflict of Interest with other societies such as for example IEEE
 - IEEE SP or CAS > APSIPA > IEEE local chapters or domestic society
 - Offer a good place to gather signal processing system researchers in Asia Pacific region, the most active region (both academic and industry) in the world
 - ◆ Conflict of other international conferences
 - IEEE SiPS (signal processing system)
 - ICIP, ISCAS, ISSCC, ...
 - ◆ Many TC members can't attend TC meeting -> Skype meeting
- Takeshi also reported on his vision in projecting into the future
 - ◆ First phase (~Dec., 2014)
 - Much efforts for setting up organization
 - ◆ Second phase (Dec., 2014~)
 - Challenge for new activities

4. New SPS TC Organization:

- Takeshi confirmed on the new TC organization
 - ◆ Mentor: Prof. Akinori Nishihara
 - ◆ Past chair: Prof. Takeshi Ikenaga
 - ◆ Chair: Prof. Gwo Giun Lee
 - ◆ Vice chair: Prof. Jiun-In Guo
 - ◆ Secretary: Prof. Chiori Hori
 - ◆ Distinguish lecturer: Prof. Ekachai Leelarasmee

5. Our SPS TC discussed on membership and new TC Organization matters:

- Discussed on the membership extension issue.
 - ◆ The current number of members is 33. Among them, 13 of these members' membership will ended by Dec. 2014.
 - ◆ Prof. Nishihara and Woon-Seng suggested to inquiry the willingness of these TC members in continuing to serve in our APSIPA SPS TC.
- New TC member nomination was done:
 - ◆ Six new TC members were nominated this year
 - Dr. Wen-Huang Cheng (Academia Sinica, Taiwan)
 - Prof. Min-Chun Hu (National Cheng Kung University, Taiwan)
 - Prof. Sunwoo Kim (Hanyang University, Korea)
 - Prof. Qing Liu (Nanking University China)
 - Prof. Pei-Yun Tsai (National Central University, Taiwan)
 - Dr. Tai-Ping Wang (Advanced Semiconductor Engineering Inc., Taiwan)
 - ◆ Woon-Seng has reminded everyone that formal voting procedures via email should be done
 - Jiun-In has already sent out the ballot for voting on December 22, 2014

6. Discussed on APSIPA ASC 2015 related matters.

- Takeshi stated that special sessions should be organized along the line of the field of our TC's interest in capturing the current state-of-the art
 - ◆ Chris mentioned that our TC could broaden the scope of our interest to both algorithm and architecture in accommodating more TC members and good papers
 - Architecture which includes both software and hardware in signal processing systems. Multicores and distributed systems in cloud are also within the scope for example
 - Sunwoo asked if our TC should include analog circuit designs. Chris responded affirmatively as we hope to of course accommodate all design and implementation possibilities
 - ◆ Takao suggested that new TC members could potentially help to organize the special sessions
 - ◆ Hence to capture state of the art, possible topic for special sessions could be say Big Data for different applications
 - ◆ New special sessions will be decided soon and possibly by new subcommittee chairs
- The technical program co-chair in 2015 APSIPA ASC SPS track is Prof. Gwo-Giun Lee (TC chair).
- The meta reviewers in 2015 APSIPA ASC SPS track were discussed
 - ◆ Takeshi appointed
 - TC chair (Prof. Gwo-Giun Lee),
 - TC vice chair (Prof. Jiun-In Guo),

- TC secretary (Dr. Chiori Hori),
 - Prof. Jia-Ching Wang.
 - ◆ More meta reviewers will be invited based on the content of the submitted paper in correspondence to the TC members' expertise
7. Discussions on the promotion of APSIPA Transactions;
- Prof. Antonio Ortega send out the following information:
 -
- Dear ATSIP Editorial Board members and APSIPA BoG members,
I just wanted to share the news that the APSIPA Transactions on Signal and Information Processing has been approved for indexing under Scopus. The actual indexing will take place in the near future, but we just learned about the approval. This is something we needed to be a better position to apply for Web of Science indexing later this year. I take this opportunity to thank you for your strong support of ATSIP and to encourage you to submit your work for publication!*
- Woon-Seng, Sunwoo, and others suggested that special session in the conference could be extended to special issues to promote our conference and APSIPA
 - Based on this spirit Prof. Chiori Hori will serve as the guest editor for the special issue of Emotion Recognition and Synthesis in APSIPA Transactions on Signal and Information Processing.
8. Discussed on promoting the activities of our SPS TC
- The following information from Prof. C.-C. Jay Kuo was shared:
- I would like to share a good news with you. The IEEE SPS Executive Committee has approved the MOU with APSIPA. The MOU content is identical with our proposed version without any change. Please find attached the signed MOU between me and Alex Acero (President of SPS). We will work closely with IEEE SPS in three areas as stated in the MOU.*
9. Discussed on organization of SPS TC subcommittees:
- Both Woon-Seng and Takao mentioned that their experiences with other TC's have mostly shown organization of subcommittees
 - Takeshi mentioned that IVM TC has form the following subcommittees:
 - ◆ Newsletter subcommittee
 - ◆ Special session subcommittee
 - ◆ Election subcommittee
 - ◆ Award subcommittee
 - ◆ Technical program (APSIPA ASC) subcommittee
 - Prof. Nishihara advised that since we are currently smaller in size as compared to IVM, we could start with fewer number like 2 or 3 subcommittees
 - Chris will begin to form these subcommittees after new year
 - The discussion of organizing SPS TC subcommittees will be continue through emails
10. Overall conclusion on the discussions on the future projections of our SPS TC
- Clearly define our APSIPA's core competency within the Asia Pacific region
 - ◆ And clearly positioning APSIPA and our publications in ASC conference and ATSIP in providing a platform for good initial research work to be

rapidly deployed to avoid conflict of interests with well-established societies such as IEEE and its publications

- ◆ The subcommittees in our SPS TC could serve as good and higher accessible opportunities for uprising stars in gaining visibility and credit to assist in their ranking promotions back in their home institutes