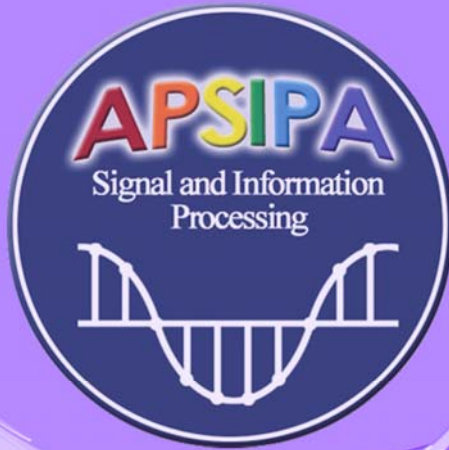


Issue 15
May 2017



APSIPA

NEWSLETTER

Asia-Pacific Signal and Information Processing Association Newsletter

Greetings!



In this issue, we are delighted to have sharing from Professor Hitoshi Kiya and Professor Woon-Seng Gan. Professor Kiya is the new President-Elect and Professor Gan is the new Vice President-Institutional Relations and Education Program of APSIPA. They will share with us their ideas and vision in this APSIPA family.

A piece of good news to tell is that the APSIPA ASC 2016 proceeding has been posted on IEEE Xplore. You may wish to check if your paper is there (<http://ieeexplore.ieee.org/search/searchresult.jsp?newsearch=true&queryText=APSIPA%202016>). We take this opportunity to invite you all to participate in APSIPA-ASC 2017 which will be held in December 2017 in Kuala Lumpur, Malaysia (<http://apsipa2017.org>). Please note that paper submission deadline is **31 May 2017**.

Contribution from members are always highly appreciated. All members are invited to send us your contributions to publish in APSIPA Newsletter. Don't forget to give us thoughts about the further development of APSIPA Newsletter. Enjoy reading this issue!

Bonnie Law
APSIPA Newsletter EiC

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Sharing From President-Elect

Professor Hitoshi Kiya

Tokyo Metropolitan University, Japan

kiya@tmu.ac.jp



I am honoured to write to you as the new president-elect of the Asia-Pacific Signal Information Processing Association (APSIPA). As you may know, APSIPA was established on October 5, 2009, and officially registered in Hong Kong, by the strong leadership of founders such as Prof. Sadaoki Furui, Prof. K.J. Ray Liu, and Prof. Wan-Chi Siu. APSIPA ASC 2018 will be held in the birthplace, Hawaii, where the idea of APSIPA was discussed during IEEE ICASSP 2007 for the first time, as the 10th conference. We are obliged to all people that have contributed their effort to make APSIPA a great success. It was my great honour and responsibility to serve as an inaugural Vice President-Technical Activities and the Program Chair of the inaugural conference “APSIPA ASC 2009” held in Sapporo, Japan. I have also been walking with the growth of APSIPA as a TC member, an associate editor, a conference organizer, a Friend Lab and so on. Meanwhile, APSIPA has provided me a lot of valuable experiences and the opportunity to build up a network of connections with people around the world.

I am often asked the question, by my colleagues: What are the benefits of being a member of APSIPA? After explaining the mission of APSIPA shown in the APSIPA website, I answer the question on the basis of my personal experience and hope. If you want, or if you make an effort, APSIPA will offer you a chance to build up a network of connections with

- Researchers, engineers, educators, practitioners and students of not only your research field but also various fields
- People who give you support for succeeding other organizations such as the IEEE, EURASIP and IEICE
- People who organize collaboration with region-specific focuses

These people work within the multidisciplinary, fast growing fields of signal and information processing in the Asia-Pacific region. Moreover, APSIPA is a young and not-so-large organization, and is very friendly to all members. Therefore, members could have a lot of chances to be offered personal and professional career opportunities such as

- Technical committee activities, associate editors, reviewers, invited speakers, conference organizers, distinguished lecture
- Industry-academia collaboration, industry-academia-government collaboration
- International internship, scholarship, postdoctoral researchers, visiting scholars

Your strong support is continuously needed to make APSIPA greater. We would like to ask you all to regularly participate our conference, APSIPA ASC, where first-class plenary talks, tutorials, overviews and panels are provided, and to submit your articles to our open access journal, “APSIPA Transactions on Signal and Information Processing” that enables us to instantly disseminate new research results to a worldwide community at low cost.

We are open to new ideas and suggestions for encouraging APSIPA activities, so please feel free to contact us. We will certainly benefit from your valuable advice. In closing, let me remind that next APSIPA ASC will be held at Kuala Lumpur, in Malaysia. APSIPA ASC 2017 is organized under the chairmanship of Prof. Woon-Seng Gan, Prof. Kai-Kuang Ma and Prof. KokSheik Wong. More detailed information about APSIPA ASC 2017 is available at <http://apsipa2017.org/>.

Look forward to seeing you all at Kuala Lumpur.

Hitoshi Kiya
President-Elect (2017-2018), APSIPA

Sharing From VP—IREF

Professor Woon-Seng Gan

Nanyang Technological University, Singapore

EWSGAN@ntu.edu.sg



It is indeed my greatest honor to be elected as the Vice President of the APSIPA Institutional Relations and Education (IRE) for 2017-2018. One of the missions of this IRE board is to promote educational activities (such as distinguish lecture, summer/winter schools) in signal and information processing among our members, and I will like to work with all of you on this important mission and benefit our community!

To dates, we have more than 100 distinguished lectures conducted in various universities and research institutes all over the world. There are many valuable resources contributed by our distinguished lecturers and I hope to solicit these lecture notes from our distinguished speakers to be shared with our members in our APSIPA website. I believe these lecture notes will greatly benefit our community and promote our research works worldwide. Currently, we have a new list of distinguished lecturers who have been elected for the term 2017-18. Their names and areas of experts are listed in the APSIPA web link: <http://apsipa.org/edu.htm>. I would encourage you to contact them and arrange for a distinguish lecture in your institute.

On the upcoming APSIPA Annual Summit and Conference 2017 to be held in Kuala Lumpur, Malaysia, we have plan to organize an educational forum for academics and students to share their teaching and learning experiences in signal and information processing. This forum will serve as a valuable platform for

educators and students to meet face to face, and share best practices, and most importantly, to learn from each other.

Finally, being the General Co-Chair of APSIPA 2017, I would like to welcome your active submission of special session and regular papers, and I am looking forward to meet all of you in Kuala Lumpur, Malaysia!

Woon-Seng Gan

APSIPA VP-IREP (2017-2018), APSIPA

Latest Articles from APSIPA Transactions on Signal and Information Processing (ATSIP)

- Extended cross-component prediction in HEVC
 - Mischa Siekmann, Ali Khairat, Tung Nguyen, Detlev Marpe, Thomas Wiegand
 - DOI: <https://doi.org/10.1017/ATSIP.2017.3>
 - Published online: 06 April 2017
 - <https://www.cambridge.org/core/journals/apsipa-transactions-on-signal-and-information-processing/article/extended-crosscomponent-prediction-in-hevc/F60643AE03E651FF42839224E8C19AC2>

- A mobile world made of functions
 - Haohong Wang
 - DOI: <https://doi.org/10.1017/ATSIP.2017.2>
 - Published online: 15 March 2017
 - <https://www.cambridge.org/core/journals/apsipa-transactions-on-signal-and-information-processing/article/mobile-world-made-of-functions/430E2FA5CAA9D06DABDDD0FA6B217063>

- Sensification of computing: adding natural sensing and perception capabilities to machines
 - Achintya K. Bhowmik
 - DOI: <https://doi.org/10.1017/ATSIP.2016.19>
 - Published online: 18 January 2017
 - <https://www.cambridge.org/core/journals/apsipa-transactions-on-signal-and-information-processing/article/sensification-of-computing-adding-natural-sensing-and-perception-capabilities-to-machines/C70C0EB8C6733C4392B90247623930A5>

Information about ATSIP

ATSIP is an open-access e-only journal of APSIPA. It serves as an international forum for signal and information processing researchers across a broad spectrum of research, ranging from traditional modalities of signal processing to emerging areas where either (i) processing reaches higher semantic levels (e.g., from speech recognition to multimodal human behaviour recognition) or (ii) processing is meant to extract information from datasets that are not traditionally considered signals (e.g., mining of Internet or sensor information).

It is accessible at: <https://www.cambridge.org/core/journals/apsipa-transactions-on-signal-and-information-processing>.

Note that ATSIP papers published from 2016 onwards will be included in the ESCI (Emerging Sources Citation Index). Please submit your paper at <http://mc.manuscriptcentral.com/apsipa>.

THE 9TH APSIPA ASC 2017

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ASIA-PACIFIC SIGNAL AND INFORMATION PROCESSING ASSOCIATION ANNUAL SUMMIT AND CONFERENCE 2017

KUALA LUMPUR, MALAYSIA

DECEMBER 12 – 15, 2017

WWW.APSIPA2017.ORG

CALL FOR PAPERS

APSIPA ASC 2017 will be the ninth annual conference organized by the AsiaPacific Signal and Information Processing Association (APSIPA). Founded in 2009, APSIPA aims to promote research and education in signal processing, information technology and communications. Annual conferences have previously been held in Japan (2009), Singapore (2010), China (2011), the USA (2012), Taiwan (2013), Cambodia (2014), Hong Kong (2015) and Korea (2016).

The field of interest of APSIPA concerns all aspects of signal and information including processing, recognition, classification, communications, networking, computing, system design, security, implementation, and technology with applications to scientific, engineering and social areas.

The technical programs include following tracks, but are not limited to:

1. BIOMEDICAL SIGNAL PROCESSING AND SYSTEMS (BIOSIPS)

Biomedical Signal and Information: Theory and Methods, Medical Information and Telecare Systems, Neural Systems and Applications, Bio-inspired Signal Processing and System, Biomedical Circuits and Systems.

2. SIGNAL PROCESSING SYSTEMS: DESIGN AND IMPLEMENTATION (SPS)

Nanoelectronics and Gigascale Systems, VLSI Systems and Applications, Embedded Systems, 3D Video Processing and Coding, High Efficiency Video Coding, IoT.

3. IMAGE, VIDEO AND MULTIMEDIA (IVM)

Image/Video Processing, Coding and Analysis, Image/Video Storage, Retrieval and Authentication, Computer Vision and Graphics, Multimedia Systems and Applications, Deep Learning, Image/Video Analytic.

4. SPEECH, LANGUAGE AND AUDIO (SLA)

Audio Processing, Speech Information Processing: Recognition, Synthesis, Understanding and Translation, Natural Language Processing: Language Modeling, Natural Language Generation/ Understanding, Machine Translation, Deep Learning, Audio/Speech Analytic.

5. SIGNAL AND INFORMATION PROCESSING THEORY AND METHODS (SIPTM)

Modern Signal Processing Theory and Method, Detection and Parameter Estimation, Array Processing and Multi-channels, Signal and Information Processing in Applications, Deep Learning, Media Analytic.

6. WIRELESS COMMUNICATIONS AND NETWORKING (WCN)

Information and Network Security, Wireless Communications and Networking, Standards and Emerging Technology, RF and Antennas.

PAPER SUBMISSION

Prospective authors are invited to submit either full papers, up to 10 pages in length, or short papers up to 4 pages in length, where full papers will be for the single-track oral presentation and short papers will be mostly for poster presentation.

IMPORTANT DATES

Submission of Proposals for Special Sessions, Forum, Panel & Tutorial Sessions	30 April 2017
Submission of Full and Short Papers	31 May 2017
Submission of Special Session Papers	31 May 2017
Notification of Paper Acceptance	31 August 2017
Submission of Camera-Ready Papers	30 September 2017
Author (early-bird) Registration Deadline	30 September 2017
Tutorial Session Date	12 December 2017
Summit and Conference Dates	13 - 15 December 2017

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Summary of Links

- APSIPA ASC 2017: <http://apsipa2017.org>
- APSIPA Transaction on Signal and Information Processing: <http://journals.cambridge.org/sip>
- Paper Submission to APSIPA Transaction on Signal and Information Processing: <http://mc.manuscriptcentral.com/apsipa>
- APSIPA Industrial Activities: <http://www.apsipa.org/industrial.htm>
- APSIPA Friend's Lab: <http://www.apsipa.org/friendlab/FriendLabs.htm>.
- APSIPA Membership Registration/Renewal: <http://www.apsipa.org/reg.asp>

Calendar of Events

- APSIPA ASC 2017: <http://apsipa2017.org>
 - 30 April 2017: Submission of Proposals for Special Sessions, Forum, Panel and Tutorial Sessions
 - 31 May 2017: Submission of Full and Short Papers
 - 31 May 2017: Submission of Special Session Papers
 - 12 December 2017: Tutorial Session Date
 - 13-15 December 2017: Summit and Conference Dates

APSIPA Who's Who

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Past President: **Haizhou Li**, National University of Singapore, Singapore

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Headquarters

Address:

Asia Pacific Signal and Information Processing Association,
Centre for Signal Processing,
Department of Electronic and Information Engineering,
The Hong Kong Polytechnic University,
Hung Hom, Kowloon, Hong Kong.

Officers:

Director: Wan-Chi Siu, email: enwcsiu@polyu.edu.hk

Manager: Kin-Man Lam, Kenneth,

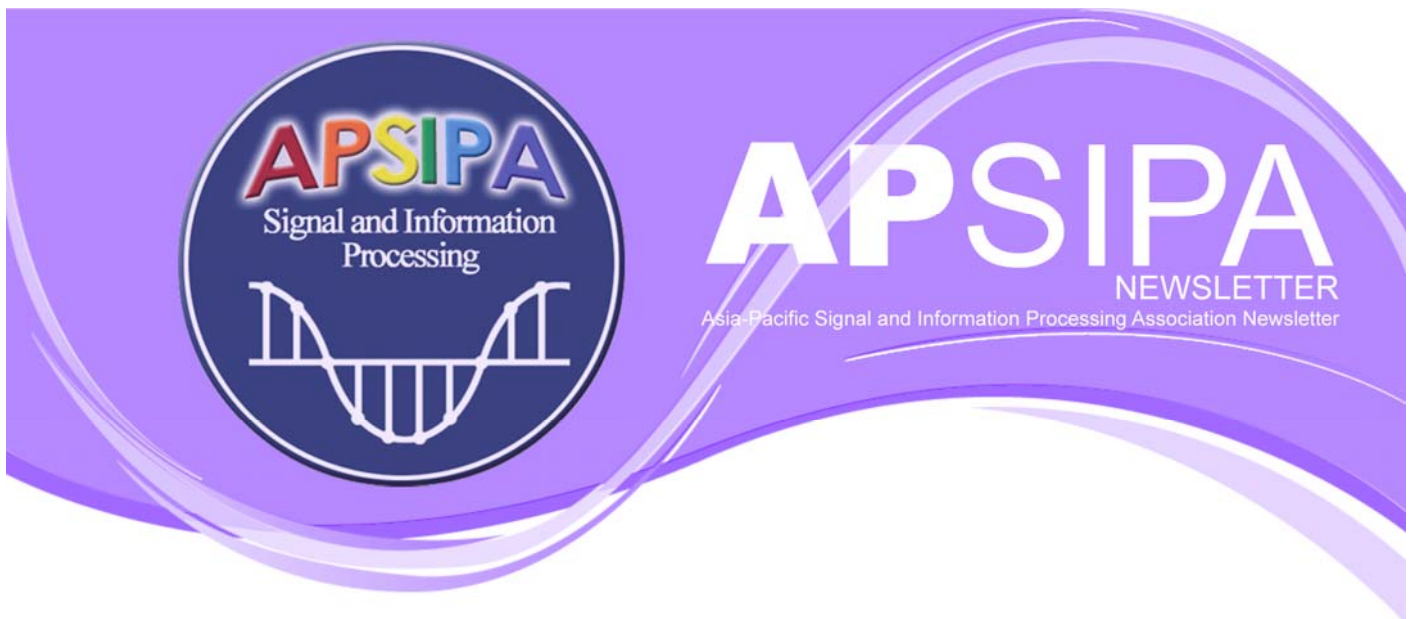
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If not, then register online at

<http://www.apsipa.org>

More members to come!