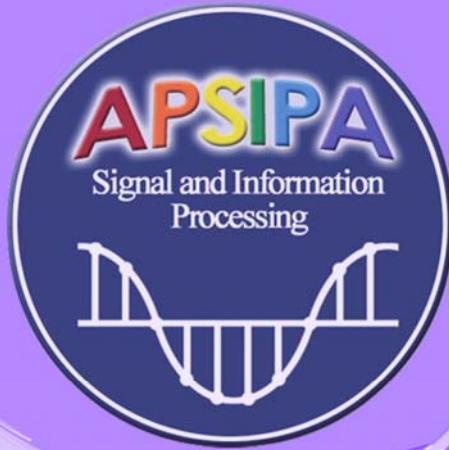


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APSIPA
NEWSLETTER
Asia-Pacific Signal and Information Processing Association Newsletter

Greetings!



The election of APSIPA officers and Members-at-Large were conducted at the beginning of this year. One of the newly elected Members-at-Large is Dr. Supavadee Aramvith from Chulalongkorn University, Thailand. In this issue, we are pleased that she will share with us her ideas and vision in the APSIPA family. She will also tell us about her research areas as well as recent activities.

APSIPA Transactions on Signal and Information Processing serves as an international forum for signal and information processing researchers. It is an open-access e-only journal with its first issue appeared in December 2012. We are pleased that Professor Antonio Ortega, the editor of the journal, will share with us his experiences in developing the journal throughout the last 5 years. Please consider submit your research works to this journal.

All members are welcome to send us your contributions to publish in APSIPA Newsletter. The contributions could be (but not limited to) articles on:

- Review of a recently published book or monograph
- Interesting technology or research line, scientific fact, progress and development
- Science and technology in history and pioneers
- Announcements specially for interns, scholarships, postgraduate studies, fellowships and postdocs
- Lectures in signal and information technology

Please send your contributions to me and enjoy reading this issue!

Bonnie Law
APSIPA Newsletter EiC

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Sharing From APSIPA BoG Member

Assoc. Prof. Dr. Supavadee Aramvith

Department of Electrical Engineering

Chulalongkorn University, Thailand

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It is my honor to contribute to APSIPA, a prominent Signal Processing Association of the Asia Pacific community, as a new member of Board of Governors. I remembered the first time I joined APSIPA since the first APSIPA ASC 2009 in Sapporo, Japan with the kind introduction from Prof. Yoshikazu Miyanaga, General Co-Chairs. It was also the first time that I have met Prof. Sanjit K. Mitra who gave a keynote talk on “Structural Subband Decomposition, A New Concept in Digital Signal Processing.” From 2010-2015, I joined Image, Video, and Multimedia (IVM) Technical Committee as a member, a secretary and Vice Chair. I am fortunate to work with great mentors in the IVM TC: the past IVM TC chairs, Prof. Yo-Sung Ho, Prof. Oscar Au, Prof. Jiwu Huang, President-Elect, Prof. Hitoshi Kiya, and my former advisor, Prof. Ming-Ting Sun. Currently, I am IVM TC Chair and Technical Program Co-Chairs of APSIPA from 2016-2017. IVM TC is one of the most active technical committees in APSIPA. TC members have great contributions in submitting excellent research works, organizing special sessions and workshop, and contributing to being Distinguished lecturers and to many APSIPA programs. In the course of time with APSIPA, I met many new colleagues with many become good friends. I am always interested to network and to collaborate research works with International Universities. With my extensive networks in Southeast Asia countries, I intend for APSIPA to reach out more to many more countries in Southeast Asia to enable more collaboration and strengthening Signal and Information Processing research communities.

I would like to introduce about myself and my research as well. I am an Associate Professor at Chulalongkorn University, Thailand’s oldest and one of the country’s most prestigious universities. I joined Chulalongkorn University in 2001 and established Video Technology Research Group under Digital Signal Processing Laboratory of Department of Electrical Engineering. Our group’s core expertise is in the areas of error resilient video coding, wireless video transmissions, video analytics for surveillance applications, video classification, and multimedia communications applications. Wireless video coding is still the challenging research problems throughout the years. With the advent of higher efficiency video coding standard, the video is more prone to errors. Thus, we work on the new method to improve error resiliency for the video data that would finally increase visual video quality. In the recent years, we have many video compressed data in the surveillance domain. It is interesting to explore video coding scheme that could preserve important features required for good detection, tracking, and recognition afterward. As for video analytics, the interests are in the areas of image super resolution, and human action classification and recognition. Embedded system for video analytics is increasingly become important as well for the solution deployment in the real scenarios. In the recent years, I and my colleagues have organized special session in the IVM track and it attracted a good participation. There are many promising research areas and APSIPA is a good platform to share the new research ideas and collaborations

I look forward to contribute to all of you and to APSIPA as a BoG member and as a research colleague for possible linkage and collaboration.

Supavadee Aramvith
BoG member, APSIPA

Sharing From Editor of APSIPA Transactions on Signal and Information Processing

Professor Antonio Ortega

University of Southern California, USA



From its start, the APSIPA Transactions on Signal and Information Processing has aimed at providing a state of the art platform for research dissemination, through the publication of new research results, overviews of exciting research topics and, most recently, papers on industrial technology advances. We chose an e-only publication model because paper copies of publications are becoming increasingly obsolete. Moreover, we adopted an Open Access model, so that accepted papers can be immediately available to anybody anywhere in the world. The Transactions papers are available in the newly revamped Cambridge University Press state of the art publication platform, Cambridge Core. I strongly encourage you to check out Cambridge Core, if you have not done so recently:

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

In this new platform, you can easily find all papers we have published and find which among those are having the most impact; all you need to do is check out the lists of Most Read and Most Cited papers:

<https://www.cambridge.org/core/journals/apsipa-transactions-on-signal-and-information-processing/most-read>

<https://www.cambridge.org/core/journals/apsipa-transactions-on-signal-and-information-processing/most-cited>

I thank the newsletter editors for the opportunity to share some of my thoughts and experiences in developing this journal and would like to do so by addressing some of the questions I am frequently asked by prospective authors.

Q: Why should I consider publishing my papers in Open Access?

A: The Open Access model makes your work widely accessible right away. Papers are not behind “pay walls” and no account needs to be set up in order to access them. Quite simply: anybody can click on the link and access your paper. This is good for your research, which gets more exposure, and also good for those sponsoring your research, in particular government agencies. Wider access to research results can potentially increase its impact. There is in fact some evidence that suggests that Open Access papers are cited more frequently on average.

Q: Why is there an Open Access article publication charge?

A: Basically, the article publication charge (APC) covers the cost of editing, formatting and hosting papers. A small percentage of this fee goes to APSIPA and helps us develop some of our other programs. The APC is kept intentionally low, in fact much lower than what is typical in other publications. Also keep in mind that some publishers have over-length page charges that can easily exceed the Transactions APC. The Transactions does not have over-length charges, and so if you

have a long paper to publish you may be better off doing it in the Transactions: the APC provides you Open Access and costs less than the over-length charges you may have to pay elsewhere!

Q: What about your paper acceptance standards, are they different because the journal is Open Access?

A: No! Most everybody in the editorial team has experience working as editors for journals where Open Access is just optional, and our criteria are the same as those we apply in other publications. We try to maintain the highest standards of quality for the papers we accept.

Q: When are the Transactions going to be indexed?

A: The Transactions are already indexed by SCOPUS and by eSCI! We are currently waiting for a response from SCI and EI. The process of indexing is outside of our control and, as we have learned from experience, it can be very slow, with decisions often dragging on for over a year. What we can control is the quality of the work we publish. In that respect, I think the Editors and Reviewers have done an excellent job of maintaining high standards. To get a sense of the quality of the work, you can refer to the record of citations on Google Scholar

<http://goo.gl/xWHRsf>

and of course you can read the papers to see for yourself!

Q: What can I do as an author to help the Transactions grow?

A: Submit your work!! One of the challenges we have been facing in getting the Transactions indexed has been that most companies that provide indexing want to see a “sufficient” volume of papers being published every year. The sooner we can achieve a sustained sufficiently high volume of published papers, the sooner we will meet the indexing criteria. As the EiC I am confident that we do not have a quality problem, but we can do better when it comes to quantity. Those of you interested in taking more active roles are also very welcome to help us organize special issues. Please send me email if you would like to lead an effort to put together a special issue.

As I complete my term as Editor-in-Chief for the APSIPA Transactions on Signal and Information Processing, I would like to thank the team of associate and guest editors, and our many reviewers, for their hard work in making the Transactions a high quality publication. Also, working with Cambridge University Press has been a great pleasure. I thank them for their strong support. We will soon start the process to select the next Editor-in-Chief for the Transactions. If you are interested in being considered for this position please contact Prof Tatsuya Kawahara, APSIPA VP Publications.

Let me end with an important reminder: we now have an open call for nominations for the 2nd Edition of the Sadaoki Furui Prize Paper Award. This will be awarded to one paper published in the Transactions from 2012 to 2016. If you have a paper you would like to nominate please send email to Prof Kawahara or to me.

Antonio Ortega

Editor

APSIPA Trans on Signal and Information Processing

Latest Articles from APSIPA Transactions on Signal and Information Processing

- Toward a signal-processing foundation for computational sensing and imaging: electro-optical basis and merit functions
 - David G. Stork
 - DOI: <https://doi.org/10.1017/ATSIP.2017.6>
 - Published online: 01 August 2017
 - <https://www.cambridge.org/core/journals/apsipa-transactions-on-signal-and-information-processing/article/toward-a-signalprocessing-foundation-for-computational-sensing-and-imaging-electrooptical-basis-and-merit-functions/8DBD29F173F78ABAE89BEE5BF18A9B0>

- Combining augmented statistical noise suppression and frame-wise speech/non-speech classification for robust voice activity detection
 - Yasunari Obuchi
 - DOI: <https://doi.org/10.1017/ATSIP.2017.8>
 - Published online: 14 July 2017
 - <https://www.cambridge.org/core/journals/apsipa-transactions-on-signal-and-information-processing/article/combining-augmented-statistical-noise-suppression-and-frame-wise-speechnon-speech-classification-for-robust-voice-activity-detection/29D6B839F27255CB14FA307CD35B16EF>

- Unified access in licensed and unlicensed bands in LTE-A Pro and 5G
 - Boon Loong Ng, Hongbo Si, Aris Papasakellariou, Jianzhong Charlie Zhang
 - DOI: <https://doi.org/10.1017/ATSIP.2017.7>
 - Published online: 12 July 2017
 - <https://www.cambridge.org/core/journals/apsipa-transactions-on-signal-and-information-processing/article/unified-access-in-licensed-and-unlicensed-bands-in-ltea-pro-and-5g/3D374A7EDC19D4D84E9EBF20362FC7B8>

- Free-viewpoint image synthesis using superpixel segmentation
 - Mehrdad Panahpour Tehrani, Tomoyuki Tezuka, Kazuyoshi Suzuki, Keita Takahashi, Toshiaki Fujii
 - DOI: <https://doi.org/10.1017/ATSIP.2017.5>
 - Published online: 13 June 2017
 - <https://www.cambridge.org/core/journals/apsipa-transactions-on-signal-and-information-processing/article/freeviewpoint-image-synthesis-using-superpixel-segmentation/5910904A7DC1679CA3EB260F940E3F9F>

Message on our Flagship conference: APSIPA-ASC

APSIPA-ASC is the Flagship conference of APSIPA which was founded in 2009. It aims to promote research and education in signal processing, information technology and communications. This conference series has previously been held in Japan (2009), Singapore (2010), China (2011), USA (2012), Taiwan (2013), Cambodia (2014), Hong Kong (2015) and Korea (2016). In this year, we are going to have it in Kuala Lumpur, Malaysia.

APSIPA ASC 2017, December 12-15, 2017, Kuala Lumpur, Malaysia.

The organizers are actively preparing for the conference. The Tutorial Sessions and Keynote Sessions have been confirmed as shown below, whilst other items are actively in preparation.

- Tutorials (12 December 2017)
 - Basics of compressed sensing - by Mrityunjoy Chakraborty, Indian Institute of Technology (IIT)
 - Sequential Decision Making: Theories and Applications - by Yan Chen, University of Electronic Science and Technology of China and Chih-Yu Wang, Academia Sinica
 - 3D Video Processing for AR/VR Contents Generation - by Yo-Sung Ho, Gwangju Institute of Science and Technology, Korea
 - Spoofing Attack of Speaker Recognition - by Hemant A. Patil, Madhu R. Kamble, Institute of Information and Communication Technology (DA-IICT), Gandhinagar, Gujarat, India and Haizhou Li, National University of Singapore
 - Network Metrics and Measurements in the Era of the Digital Economics - by Pavel Loskot, Swansea University, United Kingdom
- Keynote Speakers:
 - An Integrated Deep Learning Approach to Acoustic Signal Pre-Processing and Acoustic Modeling with Application to Robust Automatic Speech Recognition - by Chin-Hui Lee
 - Audio Equalization and Reverberation - by Vesa Välimäki
 - From Fourier, Wavelet and Sparse Signal Representations to CNNs - by C.-C. Jay Kuo

The General co-chairs are Profs. Woon-Seng Gan (Nanyang Technological University, Singapore), Kai-Kuang Ma (Nanyang Technological University, Singapore) and Kok Sheik Wong (Monash University Malaysia, Malaysia).

APSIPA ASC 2018

We are glad to let you know that APSIPA-ASC 2018 will likely be held in Hawaii, USA in November 12 - 15, 2018. Profs. Anthony Kuh (University of Hawaii, USA), Yih-Fang Huang (University of Notre Dame, USA) and Susanto Rahardja (Northwestern Polytechnical University, China) are actively preparing for this event. More news will be distributed in the next issue of Newsletters.

Technically Co-Sponsored Conferences

APSIPA is interested in giving mutual support to our sister institutes for organizing activities. We are glad to bring members' attention to the following activities, which have been technically co-sponsored by APSIPA.

- **ICME 2017**, 10-14 July 2017, Hong Kong

The IEEE International Conference on Multimedia & Expo 2017 has been held in Hong Kong from July 10 to July 14, 2017. APSIPA has technically co-sponsored ICME 2017. There are about 400 participants mainly from Asia, Europe and North America. Besides, 10k Best Paper Award has been given. The aim of the award is to promote research advances in the general multimedia related areas including text, graphics, vision, image, video, audio, speech, sensing data and their mining, learning, processing, compression, communications, rendering and associated innovations and applications. The General Chairs are Profs. Jörn Ostermann (Leibniz Universität Hannover, Germany) and Kenneth K.M. Lam (The Hong Kong Polytechnic University, Hong Kong). For details, please visit <http://www.icme2017.org/>.

- **MMM 2018**, 5-7 February 2018, Bangkok

The 24th International Conference on Multimedia Modeling will be held in Bangkok from Feb 5 to Feb 7, 2018. It is a leading international conference for researchers and industry practitioners for sharing new ideas, original research results and practical development experiences from all MMM related areas. APSIPA has technically co-sponsored MMM 2018. The General Co-chairs are Supavadee Aramvith (Chulalongkorn University, Thailand), Yo-Sung Ho (Gwangju Institute of Technology, Korea) and Noel E. O'Connor (Dublin City University, Ireland). For details, please visit <http://mmm2018.chula.ac.th>

- **ICME 2018**, 23-27 July, San Diego, USA

APSIPA has recently agreed to technically co-sponsor the ICME 2018 which is to be held in San Diego USA. This is a multimedia conference which is sponsored by four IEEE societies since 2000. The General Chairs are Profs. C.-C. Jay Kuo (University of Southern California, USA), Truong Nguyen (University of California San Diego, USA) and Wenjun Zhen (Microsoft Research Asia, China). For details, please visit <http://www.icme2018.org/>

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 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>
 - 31 August 2017: Notification of Paper Acceptance
 - 30 September 2017: Submission of Camera-Ready Papers
 - 30 September 2017: Author Registration Deadline
 - 12 December 2017: Tutorial Session Date
 - 13-15 December 2017: Summit and Conference Dates

APSIPA Who's Who

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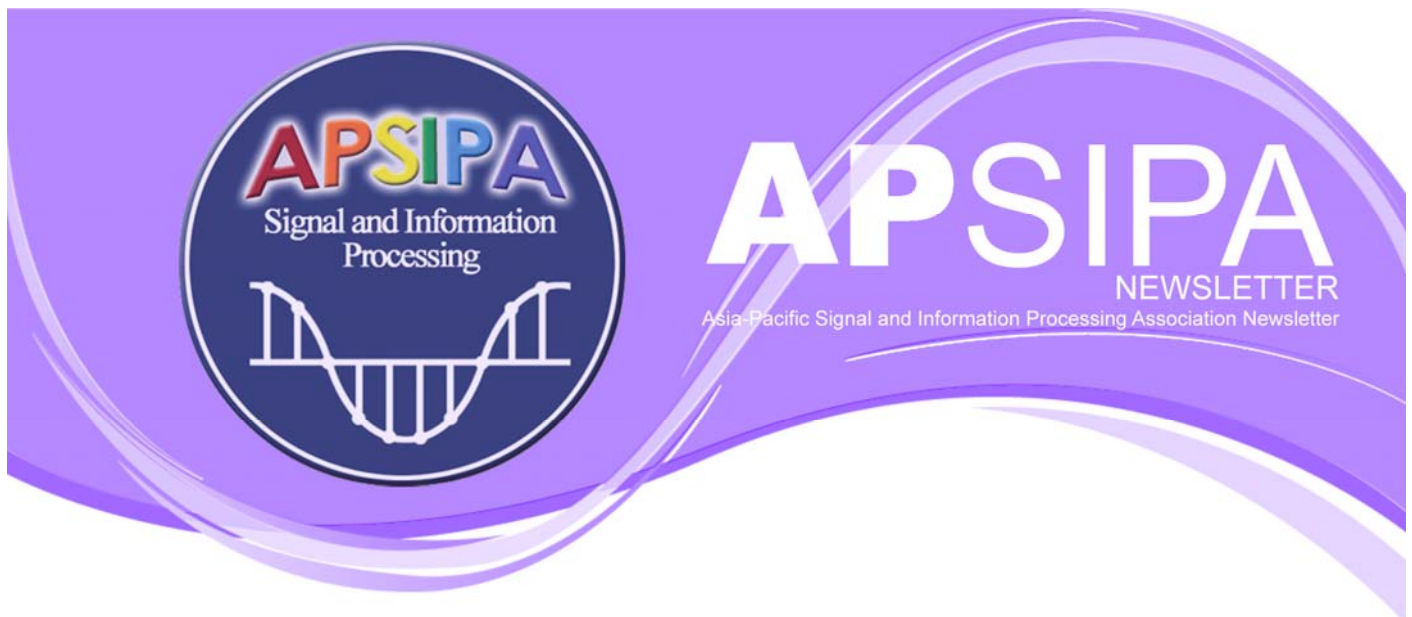
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Are you an APSIPA member?

If not, then register online at

<http://www.apsipa.org>

More members to come!