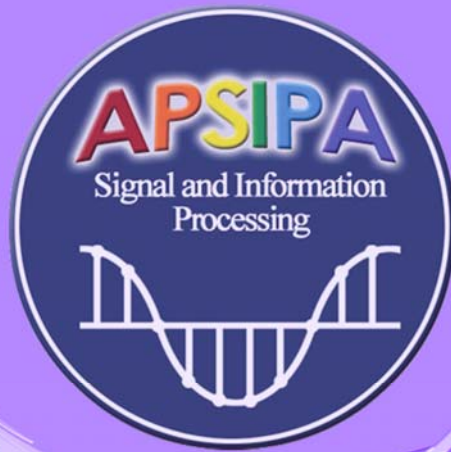


Issue 14

Feb 2017



APSIPA

NEWSLETTER

Asia-Pacific Signal and Information Processing Association Newsletter

Greetings!



Happy New Year. APSIPA relies on the services and contribution from the APSIPA Board of Members as well as support from all APSIPA members. Professor Haizhou Li has served as President for 2 years and is retired from his position in 2017. In this issue, the new president Professor Wan-Chi Siu will share with us his vision. Besides, at the end of 2016, we have organized elections for the positions of President – Elect and Vice President – Institutional Relations and Education Program. We are pleased to share with you the following results,

President – Elect

Professor Hitoshi Kiya

Tokyo Metropolitan University, Japan

http://www-isys.sd.tmu.ac.jp/Members/kiya/index_html-en/view?set_language=en



Vice President – Institutional Relations
and Education Program

Professor Woon-Seng Gan

Nanyang Technological University,
Singapore

<http://www.ntu.edu.sg/home/ewsgan/>



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Congratulations to Prof Kiya and Prof Gan!

Besides, an election for the positions of members-at-large has been conducted in early 2017. We are pleased to share the following results to all members,

- Professor Supavadee Aramvith
Chulalongkorn University, Thailand
- Professor Kosin Chamnongthai
King Mongkut's University of Technology Thonburi, Thailand
- Professor Nam Ik Cho
Seoul National University, Korea
- Professor Chung-Nan Lee
National Sun Yat-sen University, Taiwan
- Professor Toshihisa Tanaka
Tokyo University of Agriculture and Technology, Japan



Congratulations!

In addition to the elections, 2016 APSIPA Annual Summit and Conference (APSIPA ASC 2016) has been held successfully in Jeju, Korea. During the APSIPA ASC 2016, the best paper awards as well as Sadoki Furui Prize Paper award have been given out. 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.

Contribution from members are always highly appreciated. All members are invited to send us your contributions to be published 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

APSIPA President Message

Professor Wan-Chi Siu

The Hong Kong Polytechnic University, Hong Kong.

enwcsiu@polyu.edu.hk



I am very glad to assume the responsibility as President of the Asia-Pacific Signal and Information Processing Association (APSIPA) which was established on 23 July 2009. It is a difficult task to make further advancement after the very capable leadership of my predecessors, Prof. Sadaoki Furui (2009-2012) of the Tokyo Institute of Technology/Toyota Technological Institute at Chicago, Prof. C.C. Jay Kuo (2013-2014) of the University of Southern California and Prof. Haizhou Li (2015-2016) of the National University of Singapore, who led the Association with great success with a lot of achievements. Anyway, I will do some good work for the Association, and all our future developments rely on your support and encouragement. On behalf of the Association, I would also like to welcome the newly elected or re-elected BoG members. These include: Prof. Hitoshi Kiya as the President-Elect, Prof. Woon-Seng Gan as the Vice President of Institutional Relationship and Educational Program (VP-IRE), and Prof. Supavadee Aramvith, Prof. Kosin Chamnongthai, Prof. Nam Ik Cho, Prof. Chung-Nan Lee and Prof. Toshihisa Tanaka as members of BoG. Many congratulations!

The past few years have been an extraordinary time for the field Signal and Information Processing that I have ever seen in my entire career. That said, the past is merely prologue. We are just at the beginning of a period of change, changes that hold great promise for the Association, the scientific community and for humanity.

But great changes can also bring great risks. Navigating successfully through this period of change will, more than ever before, require decisions based on observation, dedication and determination. The Association will work closer with our conference organizers, DLs and other stakeholders, and make further focus our energies on our leading-edge technologies and other research trends. I look forward to building on that success and growing both the membership base and conference offerings for the Association. But to do so, I will need your help.

I hope that, in my new capacity as the President of the Association, I will not only sustain but enhance my existing relationships with all of the friends, colleagues and members I have been privileged to know in my career. I also hope to make many new friends in this new role.

Over the next few weeks, I hope to identify areas for improvements for the operations of APSIPA and listen to your ideas on potential new ones as part of my charge to broaden and upgrade current offerings.

While I have some ideas, I want the voice of the members to drive these decisions. Please send me your ideas to enwcsiu@polyu.edu.hk, and please join me at APSIPA-ASC' 2017. I look forward to speaking with you there.

Thank you. It is truly an honor to be here and a privilege to serve the Association.

Wan-Chi Siu
President (2017-2018), APSIPA

APSIPA Sadaoki Furui Prize Paper Award

Professor Tatsuya Kawahara

Kyoto University, Japan



Professor Sadaoki Furui was APSIPA founding president from 2009 to 2012. He has made significant contributions to the establishment of APSIPA. He first served as the steering committee chair from 2007 to 2009 bringing in many academic leaders in Asian-Pacific region with the vision to establish a signal and information association for this emerging and growing region. He then became the founding president for three years.

In 2015, Professor Furui has donated a sum of US\$25,000 to APSIPA. The donation is used to promote and recognize high quality papers in the APSIPA Transactions on Signal and Information Processing through establishing a best paper award, named **APSIPA Sadaoki Furui Prize Paper Award**.

In July 2016, an award committee was established. Members of the award committee included Professor Tatsuya Kawahara (VP – Publications), Professor Antonio Ortega (Editor-in-Chief of APSIPA Transactions), Professor Hitoshi Kiya (Tokyo Metropolitan University, Japan), Professor Anthony Kuh (University of Hawaii at Manoa, USA) and Professor CH Wu (National Cheng Kung University, Taiwan). The nomination was called in July 2016. Altogether 4 nominations were received. Subsequently, the selection was done by the award committee in October 2016. The award (including the certificate and the cash prize of US \$1000) was then presented in the opening ceremony of APSIPA ASC 2016. We are pleased to tell that the 2016 APSIPA Sadaoki Furui Prize Paper Award was given to:

Simone Milani, Marco Fontani, Paolo Bestagini, Mauro Barni, Alessandro Piva, Marco Tagliasacchi and Stefano Tubaro

“An Overview on Video Forensics”, APSIPA Transactions on Signal and Information Processing, Volume 1, 2012, e2

<https://www.cambridge.org/core/journals/apsipa-transactions-on-signal-and-information-processing/article/div-classtitlean-overview-on-video-forensicsdiv/585CF8F1CAB9400D215A7C8266A7FB22>



Congratulations!

Information about APSIPA Transactions on Signal and Information Processing (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>.

APSIPA ASC 2016

Professor Yo-Sung Ho

Gwangju Institute of Science and Technology, Korea

The 2016 APSIPA Annual Summit and Conference (APSIPA ASC 2016) was held in Jeju, Korea, during December 13-16, 2016. This is the eighth annual conference organized by APSIPA, and 242 papers were accepted for presentation from 19 countries.

One of the highlights of the conference was the three keynote speeches.

- “How did DRC-HUBO+ win the DARPA Robotics Challenge? – Robust Computer Vision Algorithms for DRC – HUBO+”
Professor Inso Kweon, Korea Advanced Institute of Science and Technology (KAIST), Korea

Difficulties in applying existing computer vision solutions for the DRC Challenge were discussed. He then mentioned how his team solved these difficulties and videos were shown.

- “Fun with Music Processing Research”
Professor Shigeki Sagayama, Meiji University, Japan

Various interesting topics and issues in the music processing area were discussed. Interesting results with demonstration were shared with participants.

- “Two Historic Shipwrecks – 3D Imaging Survey and 3D Reconstruction Processing”
Professor Andrew Woods, Curtin University, Australia

An overview of the expedition together with the technology of 3D imaging was given.

To introduce state-of-the-art techniques in signal and information processing, two tutorials, eleven invited overview talks and 22 special sessions were given by renowned scholars in the respective fields of study. In addition to the above, a Plenary Industry Forum on “Deep learning – past, present and future” was organized. Top executives of world leading companies from industrial companies shared with participants their views and visions about deep learning from various aspects such as novel algorithms, new product realization and market future.

The APSIPA ASC 2017 will be held in Kuala Lumpur, Malaysia in 12-15 December 2017. You can find more information at <http://apsipa2017.org/>. The deadline for regular submission is 31 May 2017. We look forward to seeing you there!

The best papers awards in APSIPA-ASC 2016

Best Paper Award

Computer-Assisted Pronunciation Training: From Pronunciation Scoring Towards Spoken Language Learning

Nancy F. Chen and Haizhou Li, Institute for Infocomm Research, A*STAR, Singapore

Best Student Paper Award

A Noise Masking Method with Adaptive Thresholds based on CASA

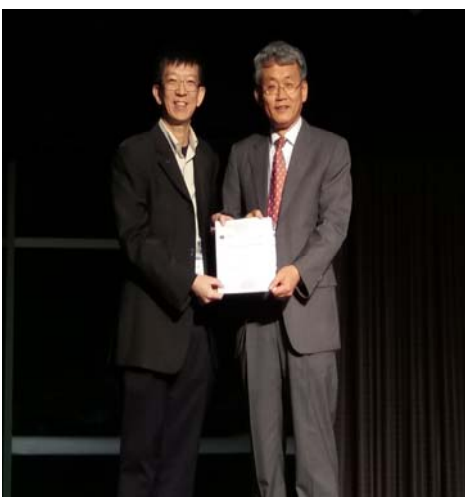
Feng Bao and Waleed H. Abdulla, The University of Auckland, New Zealand

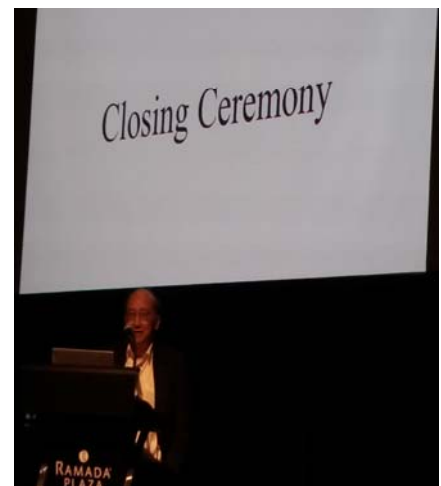


Congratulations!

Snapshots of APSIPA ASC 2016







THE 9TH APSIPA ASC 2017

DECEMBER 12-15, 2017, KUALA LUMPUR, MALAYSIA

ORGANIZING COMMITTEES

Advisory Committee Chairs

Sadaaki Furui (Toyota Technological Institute Chicago, USA)
Ray Liu (University of Maryland, USA)
C.-C. Jay Kuo (University of Southern California, USA)
Haizhou Li (National University of Singapore, Singapore)
Wan-Chi Siu (The Hong Kong Polytechnic University, Hong Kong)
Sanjit K Mitra (University of California, Santa Barbara, USA)

General Co- Chairs

Woon-Seng Gan (Nanyang Technological University, Singapore)
Kai-Kuang Ma (Nanyang Technological University, Singapore)
KokSheik Wong (University of Malaya, Malaysia)

TPC Co-Chairs

Gwo Giun Lee (National Cheng-Kung University, Taiwan)
Akira Hirabayashi (Ritsumeikan University, Japan)
Changchun Bao (Beijing University of Technology, China)
Toshihisa Tanaka (Tokyo University of Agriculture and Technology, Japan)
Jiwu Huang (Shenzhen University, China)
Kazunori Hayashi (Kyoto University, Japan)
Andy Khong (Nanyang Technological University, Singapore)
Huanqiang Zeng (Huaqiao University, China)
Dennis Wong (Heriot-Watt University Malaysia)

Finance Chair

Chee Seng Chan (University of Malaya, Malaysia)

Secretary / Web co-chairs

Vishnu Monn Baskaran (Multimedia University, Malaysia)
Yiqi Tew (Tunku Abdul Rahman University College, Malaysia)

Special-session Co-Chairs

Hitoshi Kiya (Tokyo Metropolitan University, Japan)
Yoshinobu Kajikawa (Kansai University, Japan)
Ma Bin (Institute of Infocomm Research, Singapore)
Lap Pui Chau (Nanyang Technological University, Singapore)
David Chuah (University of Malaya, Malaysia)

Forum Co-Chairs

Kenneth Lam (Hong Kong Polytechnic University, Hong Kong)
Waleed Abdullah (University of Auckland, New Zealand)
Shan Liu (MediaTek, USA)
John See (Multimedia University, Malaysia)

Tutorial Co-Chairs

Kong-Aik Lee (Institute of Infocomm Research, Singapore)
Yo-Sung Ho (Gwangju Institute of Science and Technology, S.Korea)
Vivian Yong (Petronas University of Technology, Malaysia)

Panel Session Co-Chairs

Thomas Zheng Fang (Tsinghua University, China)
Yoong Choon Chang (University of Tunku Abdul Rahman, Malaysia)

Publicity Co-Chairs

Sam Shi Chuang (Nanyang Technological University, Singapore)
Dong Wang (Tsinghua University, China)
Kosin Chamnongthai (King Mongkut's University of Technology Thonburi, Thailand)
Mohammad Faizal Ahmad Fauzi (Multimedia University, Malaysia)

Registration Co-Chairs

Chee Kau Lim (University of Malaya, Malaysia)
Sook Chin Yip (Multimedia University, Malaysia)

Publication Chair

Wai Lam Hoo (Tunku Abdul Rahman University College, Malaysia)

Local Arrangement Co-Chairs

Simying Ong (Taylor's University, Malaysia)
Chern Hong Lim (Tunku Abdul Rahman University College, Malaysia)

Sponsorship/ Exhibition Co- Chairs

Kok Soon Tey (University of Malaya, Malaysia)
Erma Rahayu (University of Malaya, Malaysia)

European / US liaison

Shujun Li (University of Surrey, UK)

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

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

SUPPORTING SOCIETIES



Distinguished Lecturers for 2017-2018

The Distinguished Lecturer Program is established to serve the communities by organizing lectures given by distinguished experts. It is an educational program that promotes the research and development of signal and information processing in Asia Pacific region. During the two-year term, the APSIPA Distinguished Lecturers will be serving as an ambassador of APSIPA and outreaching to audience in Asia Pacific region as well as worldwide. For more information about the DL Program, please contact Professor Woon-Seng Gan who is the Vice President of Institutional Relations and Education Program. This year, we have ten newly selected Distinguished Lecturers.

- **Jindong Chen**, *Northwestern Polytech University, China*
- **Cuntai Guan**, *Nanyang Technological University, Singapore*
- **Chang-Su Kim**, *Korea University, Korea*
- **Hakil Kim**, *Inha University, Korea*
- **Hong Kook Kim**, *GIST, Korea*
- **Shang-Hong Lai**, *Nat'l Tsinghua University, Taiwan*
- **Wen-Hsiao Peng**, *Nat'l Chiao Tung University, Taiwan*
- **Guangming Shi**, *Xidian University, China*
- **Hwangjun Song**, *POSTECH, Korea*
- **Dong Yu**, *Microsoft Research, USA*

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

President: **Wan-Chi Siu**, The Hong Kong Polytechnic University, Hong Kong

President-Elect: **Hitoshi Kiya**, Tokyo Metropolitan University, Japan

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

VP - Conferences: **Thomas Fang Zheng**, Tsinghua University, China

VP - Industrial Relations and Development: **Shan Liu**, MediaTek, USA

VP - Institutional Relations and Education Program:

Woon-Seng Gan, Nanyang Technological University, Singapore

VP - Member Relations and Development: **Kenneth Lam**, The Hong Kong Polytechnic University, Hong Kong

VP - Publications: **Tatsuya Kawahara**, Kyoto University, Japan

VP - Technical Activities: **Anthony Kuh**, University of Hawaii at Manoa, USA

Members-at-Large:

Supavadee Aramvith, Chulalongkorn University, Thailand

Kosin Chamnongthai, King Mongkut's University of Technology Thonburi, Thailand

Homer Chen, National Taiwan University, Taiwan

Nam Ik Cho, Seoul National University, Korea

Wen Gao, Peking University, China

Hsueh-Ming Hang, National Chiao-Tung University, Taiwan

Yoshinobu Kajikawa, Kansai University, Japan

Chung-Nan Lee, National Sun Yat-sen University, Taiwan

K.J. Ray Liu, University of Maryland, USA

Ming-Ting Sun, University of Washington, USA

Kazuya Takeda, Nagoya University, Japan

Toshihisa Tanaka, Tokyo University of Agriculture and Technology, Japan

Headquarters

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Manager: Kin-Man Lam, Kenneth,

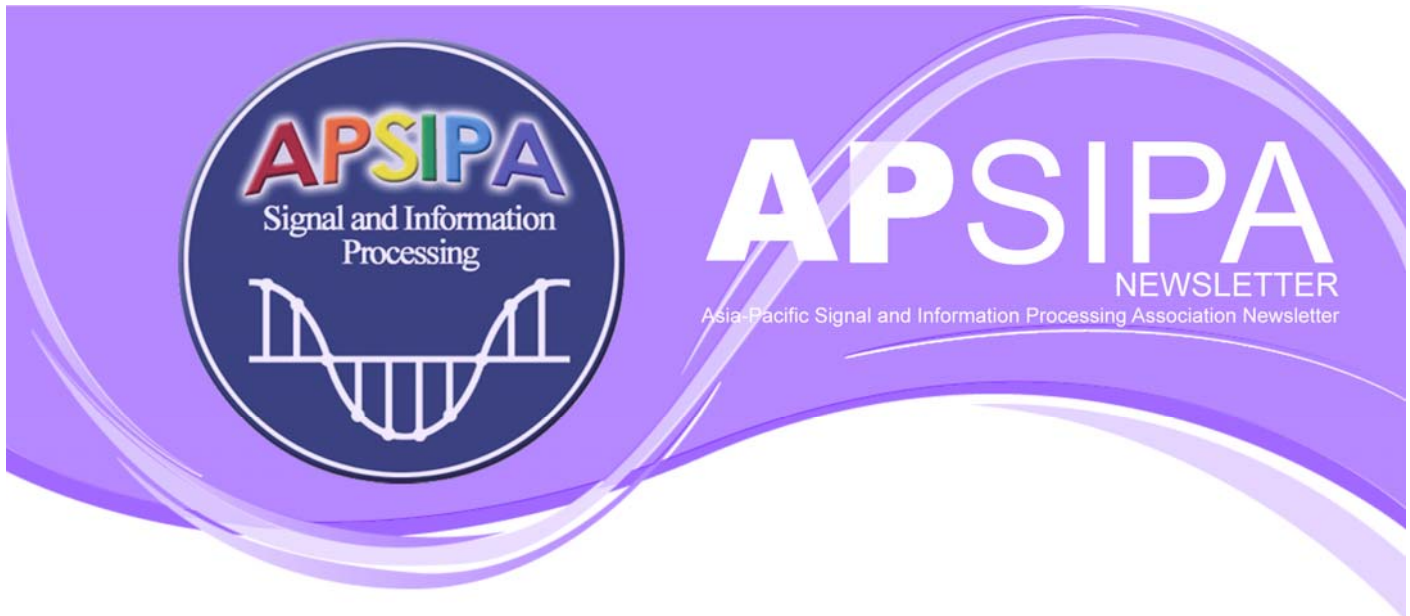
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Secretary: Ngai-Fong Law, Bonnie,

email: ennflaw@polyu.edu.hk

Treasurer: Yuk-Hee Chan, Chris,

email: enyhchan@polyu.edu.hk



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Yoshinobu Kajikawa, Kansai University, Japan

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Xie Lei, Northwestern Polytechnical University, China

Thomas Zheng, Tsinghua University, China

Are you an APSIPA member?

If not, then register online at

<http://www.apsipa.org>

More members to come!