APSIPA
Signal and Information Processing

APSIPA
NEWSLETTER
Asia-Pacific Signal and Information Processing Association Newsletter

Greetings!

Welcome to the December issue of the APSIPA Newsletter!

We hope you had a fulfilling and enjoyable experience at the recently concluded APSIPA ASC 2023.

This year marked the 15th iteration of the APSIPA Annual Conference, held from October 31 to November 3, 2023, in the vibrant city of Taipei, Taiwan. The organizing committee, led by Prof. Jing-Ming Guo, showcased exemplary leadership, ensuring the conference's success. Taipei, as our chosen venue, was perfect, with its pleasant weather providing an ideal environment for academic discussions and networking. In this letter, the overview of APSIPA ASC 2023 is summarized with photos.

Looking forward, we are excited to announce that the APSIPA ASC 2024 will be hosted in the dynamic city of Macao. In this letter, the latest CFP is included.

Last October also marked a significant milestone with the establishment of two new APSIPA local chapters in Korea and Thailand, expanding our reach and influence. We eagerly anticipate the increased local activities and contributions these chapters will bring to our community.

I would like to express my heartfelt gratitude to the editorial board members for their invaluable support and assistance during my tenure as Editor-in-Chief of the APSIPA Newsletter. Starting January 2024, Prof. Jiantao Zhou from the University of Macau will take over as the new Editor-in-Chief.

As always, we welcome and encourage your contributions to the APSIPA Newsletter. Your insights and perspectives are what make our community diverse and dynamic. We look forward to your submissions and thoughts on future developments in our field.

Please enjoy this issue and have a wonderful New Year!

Sanghoon Lee

Message from the APSIPA President Tatsuya Kawahara

It was nice to meet many of you at APSIPA ASC 2023, held in Taipei from October 31 through November 3. The conference was successful thanks to the hard work of the organizer and a large number of attendees; about 500 people participated in the conference, in which 395 papers were presented. It was unfortunate that many people from mainland China could not come due to the visa issue, but we had many delegates from ASEAN countries and India. The keynote speakers gave a good overview of the state-of-the-art technology. There were also a variety of programs such as winter school, tutorials, industrial forum, and women's forum (photo below). We had the welcome reception and the banquet in a nice venue with delicious food. Everything, including the opening and closing ceremony, was very smooth without trouble. This was not taken for granted, but made possible by the hard work of the organizer. We really appreciate the organizer led by Prof. Jing-Ming Guo.

As the President supervising the conference, I was a bit nervous in the beginning, but I enjoyed it a lot, in particular meeting many of you after a long break due to the pandemic. I learned again the importance of the conference, which provides an opportunity for networking people. I hope we will see next year in Macao for APSIPA ASC 2024.

I do wish you a pleasant holiday season and a happy new year!

Best Regards
Tatsuya Kawahara
APSIPA President (2023-2024)
Email: kawahara@i.kyoto-u.ac.jp

APSIPA ASC 2023 Recap

The 2023 APSIPA Annual Summit and Conference (APSIPA ASC 2023) concluded successfully at the Taipei International Convention Center in Taipei from October 31 to November 3. This year's event brought together participants from 19 countries, totaling 461 attendees. A remarkable 395 papers were presented, comprising 290 oral presentations and 105 poster presentations.

Throughout the conference, APSIPA ASC 2023 featured a meticulously arranged program, including four keynote speeches, one Winter School, one Industrial Forum, five tutorials, and a Women's Forum. Attendees enthusiastically responded to the well-crafted agenda and found immense value in the insights shared by the distinguished speakers.

The four keynote speeches were a highlight of the event, providing a comprehensive overview of cutting-edge research and advancements in signal processing and artificial intelligence. The winter school offered a unique learning opportunity, while the Industrial Forum provided a platform for industry professionals to discuss the practical applications of signal processing technologies.

In addition to the main program, the five tutorials covered a range of topics, catering to the diverse interests and expertise of the attendees. The Women's Forum, dedicated to fostering diversity and inclusion in the field, added a valuable dimension to the conference.

The APSIPA ASC 2023 organizing committee expressed gratitude for the overwhelming support and active participation from the global research community. The conference served as a melting pot of ideas, collaborations, and knowledge exchange, contributing to the advancement of signal processing and artificial intelligence.

With a total of 461 attendees from around the world, APSIPA ASC 2023 further solidified its reputation as a premier platform for researchers, academics, and industry professionals to converge, share insights, and inspire advancements in the rapidly evolving fields of signal processing and artificial intelligence.

For more information about APSIPA ASC 2023 and future events, please visit https://www.apsipa2023.org/.

APSIPA ASC 2023 in Photos

More Photos: https://drive.google.com/drive/u/1/folders/1g6ry6rCMSiyP3Xt8F9292hfLk1sq2ceX

APSIPA 2024

Asia Pacific Signal and Information Processing Association Annual Summit and Conference 2024

Dec 3rd – 6th 2024 | MACAU, CHINA

CALL FOR PAPERS

IMPORTANT DATES

Submission Deadline of Special Session Proposal	Submission Deadline of Proposals for Forum, Panel and Tutorial	Submission Deadline of Regular Paper	Submission Deadline of Special Session Paper	Notification of Paper Acceptance	Submission Deadline of Camera Ready Paper	Deadline of Early Bird Registration
June 17, 2024	June 17, 2024	July 21, 2024	July 21, 2024	September 23, 2024	October 6, 2024	October 6, 2024

INTRODUCTION

Founded in 2009, APSIPA organization (www.apsipa.org) aims to promote research and education in signal processing, information technology, and communications. The annual conferences have been held previously in Taipei (2023), Chiang Mai (2022), Tokyo (2021), Auckland (2020), Lanzhou (2019), Hawaii (2018), Kuala Lumpur (2017), Jeju (2016), Hong Kong (2015), Siem Reap (2014), Kaohsiung (2013), Los Angeles (2012), Xi' an (2011), Biopolis (2010), and Sapporo (2009). APSIPA is interested in all aspects of applications. Please refer to the conference web page (www.apsipa2024.org) for full information. All accepted papers will be included in IEEE Xplore and indexed by EI, like all previous years. The technical program includes, but not limited to the following areas.

TOPICS

- Signal Processing Systems: Design and Implementation
- Signal and Information Processing Theory and Methods Speech Language, and Audio
- Biomedical Signal Processing and Systems
- Image, Video, and Multimedia
- Multimedia Security and Forensics
- Wireless Communications and Networking
- Deep Learning: Algorithm, Implementations, and Applications
- Signal and Information Processing in Education
- Medical Signal Acquisition, Analysis and Processing
- Internet of Things Technology
- Data Analytics and Machine Learning
- Human Biometrics and Security Systems
- Signal and Information Processing for Smart Systems

ORGANIZING COMMITTEE

➢ **Honorary General Chairs**
  - K. J. Ray Liu
  - C.-C. Jay Kuo
  - Haizhou Li
  - Wan-Chi Siu
  - Hitoshi Kiya
  - Yonghua Song

➢ **Advisory Committee Co-Chairs**
  - Tatsuya Kawahara
  - Cheng-Zhong Xu

➢ **General Co-Chairs**
  - Jiantao Zhou
  - Kenneth Lam
  - Anthony Kuh
  - Woon-Seng Gan
  - Kosin Chamnongthai

➢ **Finance Co-Chairs**
  - Yuanman Li
  - Xiaowei Wu

➢ **TPC Co-Chairs**
  - Zhengguo Li
  - Shaodan Ma
  - Koichi Fujiwara
  - Chang-Su Kim
  - Minoru Kuribayashi
  - Bonnie Law
  - Po-Chiang Lin
  - Jen-Tzung Chien
  - Zhiyi Yu
  - Jun Du
  - Yuanfang Guo

➢ **Plenary Co-Chairs**
  - Yih-Fang Huang
  - Antonio Ortega
  - Zhiguo Gong

➢ **Special Sessions Co-Chairs**
  - Sanghoon Lee
  - Weisi Lin
  - Toshihisa Tanaka
  - Chi Man Pun

➢ **Tutorial Co-Chairs**
  - Mingyi He
  - Shoji Makino

➢ **Publicity Co-Chairs**
  - Waleed H. Abdulla
  - Yui Lam Chan
  - Nam Ik Cho
  - Junhui Hou
  - Yoshinobu Kajikawa

➢ **Publication Co-Chairs**
  - Yi Wang
  - Liming Zhang
  - Li Dong

➢ **Registration Co-Chairs**
  - Yuan Wu
  - Li Li
  - Xianwei Zheng

➢ **Industrial Forum Co-Chairs**
  - Lap-Pui Chau
  - Jie Chen
  - Jing-Ming Guo
  - Ning Xu
  - Seishi Takamura
  - Weiwei Sun

➢ **Sponsorship and Exhibition Co-Chairs**
  - Ryan U
  - Derek Wong

➢ **Overview Section Co-Chairs**
  - KokSheik Wong
  - Isao Echizen
  - Thomas Fang Zheng
  - Gwo-Giun Lee

➢ **Local Arrangement Co-Chairs**
  - Andrew Jiang
  - Jinyu Tian

www.apsipa2024.org

APSIPA Gains 3 New Local Chapters in 2023

by Toshihisa Tanaka, Vice President for Members Relations and Development
(Tokyo University of Agriculture and Technology)

The year 2023 will be a pivotal year in which APSIPA's regional activities make significant progress. APSIPA is currently working to establish local chapters in countries and regions around the world. This year, three new local chapters were formed – one in Vietnam, one in Korea, and one in Thailand. Together with the existing local chapters in Japan, the United States, Taiwan, and Singapore, this brings the total number of established chapters to seven.

Local chapters are expected to carry out a range of activities to vitalize the signal processing field in their respective countries, including hosting lectures, symposiums, events for developing students and junior researchers, and more. In addition to receiving annual financial support from HQ, additional assistance will be provided whenever necessary. Local chapters are also expected to serve as the host organizations for the Annual Summit and Conference (ASC). (A portion of any surplus funds after hosting can be used as activity funds for the local chapters.)

Local chapters can be established not only on a national level but also on a municipal or regional level, as long as there are at least ten full members. If you are interested in establishing a chapter, please contact HQ or me.

The Inauguration of the APSIPA Korea Chapter on 25th Oct 2023

The APSIPA Korea Chapter was officially inaugurated on October 25, 2023, marking a significant milestone in advancing signal processing research in the region. This chapter, led by Chair Nam Ik Cho, Vice-Chair Sanghoon Lee, Secretary Jewon Kang, and Treasurer Chang-Su Kim, aims to foster a vibrant community of researchers and professionals in the field.

Looking ahead to 2023 and beyond, the Korea Chapter has laid out an ambitious plan to engage and expand its network. A key event in these efforts is the kickoff meeting scheduled during the IPIU (Image Processing and Image Understanding) 2024 conference. This conference, a major gathering for image processing and computer vision researchers, will be held from January 30 to February 2 at Jeju Island, Korea. The kickoff meeting aims to attract active researchers and encourage them to join the APSIPA Korea Chapter.
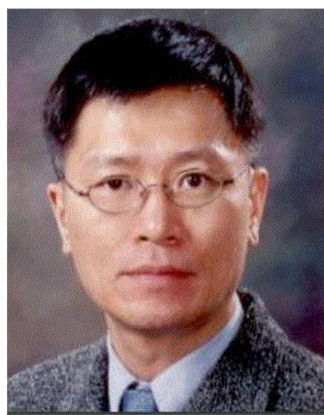
In March or April 2024, the Korea Chapter will host a workshop in collaboration with the IEIE (Korean electronics engineers society). This event will focus on inviting signal processing researchers, especially those working in fields other than image processing, to promote APSIPA membership and its activities.

Furthermore, during the summer workshops of KIBME (Korean broadcast engineers society) and IEIE, the Korea Chapter plans to review papers submitted by its members and potential new members for consideration in APSIPA ASC 2024. These workshops will serve as an excellent platform for members to showcase their research and for the chapter to identify and encourage new talents to join APSIPA.
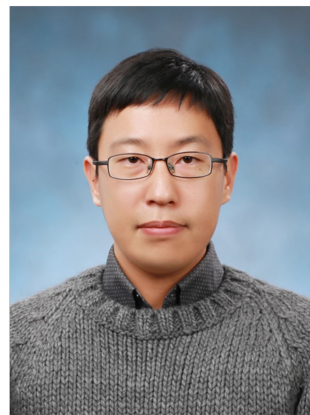
The Korea Chapter, with its strong leadership team and a clear vision for the future, is poised to play a pivotal role in the APSIPA community. More information about the chapter and its activities can be found on their webpage: http://www.apsipa.org/chapter/Korea.htm.

| **Chair**	**Vice Chair**	**Secretary**	**Treasurer**
Nam Ik Cho	**Sanghoon Lee**	**Jewon Kang**	**Chang-su Kim**
Seoul National University	Yonsei University	Ewha Womans University	Korea University

VP Prof. He Meeting with IEEE President Ray Liu in Xi'an

VP of APSIPA, Prof. Mingyi He met Prof. Ray Liu, IEEE President 2022 and one of the funding members of APSIPA, in Xi'an on October 27. They talked about the relationship between IEEE and APSIPA, discussed the future activities and membership development, especially on APSIPA education program. APSIPA's former distinguished lecturers Prof. Jingdong Chen, Prof. Jie Chen and current lecturer Prof. Yuchao Dai also attended the meeting.

Mingyi He meeting with IEEE President, Ray Liu
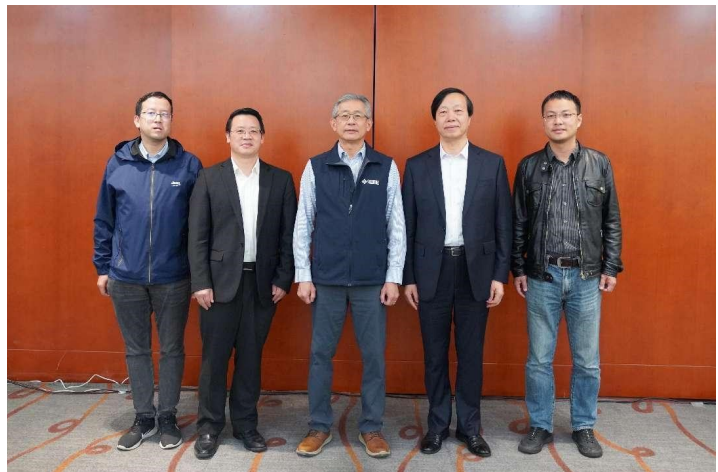
From Left: Yuchao Dai, Jingdong Chen, Ray Liu, Mingyi He, Jie Chen

(News from Institutional Relations and Education Program)

APSIPA Distinguished Lecturer Lectures 2023

by Mingyi He, Vice President for Institutional Relations and Education Program
(Northwestern Polytechnical University)

One of the important events of the association is giving lectures by our distinguished lecturers. After the COVID-19 epidemic, our distinguished lecturers have actively addressed lectures offline or online in 2023 for 18 lectures as below.

Table 1. Lectures given by Distinguished Lecturers in 2023

Speaker	**Kazunori Hayashi**
Title	Discreteness-aware signal detection via compressed sensing technique
Date	March 15, 2023
Venue	Online
Local host	Osamu Takyu
Speaker	**Zhanyu Ma**
Title	Research on Image Classification Methods under Data Constraints
Date	2023.4.25
Venue	Hunan College of Engineering
Local host	CSIG Special Committee on Machine Vision, Hunan College of Engineering
Speaker	**Yuchao Dai**
Title	Rolling Shutter Camera: Modeling, Optimization and Learning
Date	May 11
Venue	Online
Local host	CCIG Workshop
Speaker	**Yuchao Dai**
Title	Rolling Shutter Camera: Modeling, Optimization and Learning
Date	May 16
Venue	Xian
Local host	CSIG China to XJTU
Speaker	**Boxin Shi**
Title	Neural Radiance Fields with Light Transport Occlusions
Date	2023/06/02
Venue	Changsha, China
Local host	Audio Video coding Standard Workgroup of China

Speaker	**Yuchao Dai**
Title	Rolling Shutter Camera: Modeling, Optimization and Learning
Date	June 18
Venue	CVPR
Local host	CVPR 2023 Tutorial

Speaker	**Boxin Shi**
Title	NeuCAP: Neuromorphic Camera Aided Photography
Date	2023/06/19
Venue	Vancouver, Canada
Local host	Organizers of the Event based Vision Workshop at CVPR'23

Speaker	**Chen Fei**
Title	Mandarin tone identification of hearing-impaired children
Date	9 July 2023
Venue	Shenzhen
Local host	The 15th Annual Conference of Phonetics Division of Chinese Linguistic Society

Speaker	**Zhanyu Ma**
Title	Probabilistic Model-based Deep Neural Networks Optimization
Date	2023.7.22
Venue	Fuzhou Digital China Exhibition Center, Meeting Room 203.
Local host	Chinese Association for Artificial Intelligence

Speaker	**Simon Pun**
Title	UAV-Enabled Intelligent Transportation Systems (ITS) for the Smart Cities
Date	July 28, 2023
Venue	Burchard Building 211, Stevens Institute of Technology, Hoboken, NJ,USA.
Local host	Prof. Shucheng Yu, Stevens Institute of Technology, Hoboken, NJ,USA.

Speaker	**Chen Fei**
Title	Brain-computer interface technologies for speech communication
Date	6 August 2023
Venue	Shenzhen
Local host	the 3rd Asia-Pacific International Rehabilitation Forum

Speaker	**Ronald Y Chang**
Title	Graph Neural Network-Enabled Design for Reconfigurable Intelligent Surface (RIS) Assisted Communi-
Date	September 7, 2023
Venue	National Taipei University of Technology, Taiwan & online
Local host	Prof. Chun-Tao Lin

Speaker	**Simon Pun**
Title	UAV-Enabled Intelligent Transportation Systems (ITS) for the Smart Cities
Date	September 22, 2023
Venue	CD634, The Hong Kong Polytechnic University (PolyU), Hong Kong
Local host	Prof. Ivan Ho, The Hong Kong Polytechnic University (PolyU), Hong Kong

Speaker	**H Vicky Zhao**
Title	User Preference Modeling and Analysis in Choice Problems
Date	Oct. 2, 2023
Venue	University of Alberta, Canada
Local host	Prof. Xingyu Li
Speaker	**Yipeng Liu**
Title	Trainable Subspaces for Tensor Completion
Date	Oct. 09, 2023
Venue	Southwestern University of Finance and Economics, Chengdu, China
Local host	Prof. Taixiang Jiang
Speaker	**Zhanyu Ma**
Title	Probabilistic Model-based Deep Neural Networks Optimization
Date	2023.10.21
Venue	Room 211, Teaching Building 4, Xianlin Campus, Nanjing Univ Posts and Telecommunications.
Local host	School of Communication and Information Engineering, Nanjing Univ of Posts and Telecommunications.
Speaker	**Yipeng Liu**
Title	Tensor Regression
Date	Oct. 27, 2023
Venue	Shanghai Jiao Tong University, Shanghai, China
Local host	Prof. Fei Wen
Speaker	**Zhanyu Ma**
Title	Probabilistic Model-based Deep Neural Networks Optimization
Date	2023.11.20-2023.11.23
Venue	The Empark Grand Hotel Changsha
Local host	Central South University

Lectures given by Dr. Yuchao Dai and Dr. Hong Zhao

APSIPA 2023 Winter School:
Cutting-Edge Generative AI Techniques for SIP Applications

by 2023 Winter School Chairs
Prof. Mu-yun Chen, National Cheng Kung University
Prof Mingyi He, Vice President for IRED, APSIPA; Northwestern Polytechnical University

The APSIPA ASC 2023 Winter School was held at the Taipei International Convention Center on October 31, 2023, gathered over 250 participants to delve into the frontier of "Generative AI Techniques for Signal and Information Processing Applications." The organizers are Prof. Mu-yun Chen from National Cheng Kung University and Prof. Mingyi He from Northwestern Polytechnical University.

Renowned experts and scholars from around the globe were invited to share their insights during the event. The distinguished speakers and their topics are as follows:

Prof. Hung-Yi Lee from National Taiwan University with topic "How far are we from a speech version of ChatGPT?, Mr. Neal Huang from Analog Devices, Inc., Taiwan, with topic "Energy-Efficient Generative AI Future: Low-Power Applications of ADI Max78000", Prof. Chin-Hui Lee from Georgia Institute of Technology with topic "Deep Regression for Spectral Mapping with Applications to Speech Enhancement, Source Separation, and Speech Dereverberation", Prof. Mario Koeppen from Kyushu Institute of Technology with topic "Metaverse as AI Embodiment: Techniques, Impact, and Research Opportunities", Prof. Chunghui Kuo (Editor-in-Chief, Journal of Imaging Science and Technology, Society for Imaging Science and Technology) with topic "Deep Learning in Image Processing and Computer Vision".

The Winter School provided a unique platform for attendees to engage with cutting-edge topics and interact with experts at the forefront of their respective fields. The diverse range of subjects covered, from speech synthesis to low-power AI applications, offered a comprehensive overview of the current state and future potential of generative AI techniques.

The event received enthusiastic feedback from the participants, who commended the well-structured program and the wealth of knowledge shared by the esteemed speakers. Attendees expressed that the Winter School significantly enriched their understanding and knowledge in the rapidly evolving domain of generative AI for signal and information processing applications.
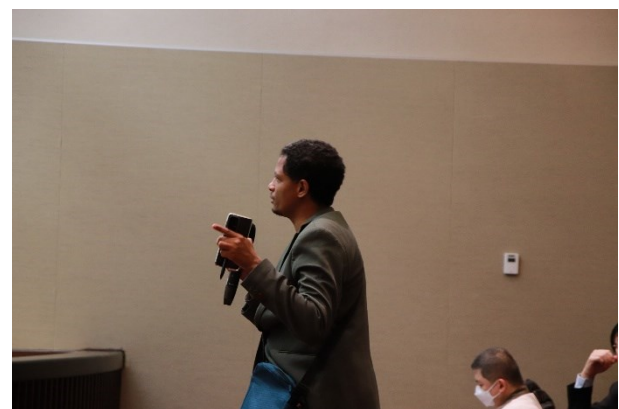
Winter School Lectures

Visits Strengthening Institutional Relations

One of the main tasks of VP for Institutional relations and education program is to develop and build relations with existing societies, universities and associations within each affiliated country or region.

Strengthening Institutional Relations in Singapore

APSIPA VP (IRED), Prof. He leading a delegation of professors from Northwestern Polytechnical University visited NUS, School of EEE NTU, Singapore in April. At NUS, they had a meeting with researchers in COLIPS (Chinese and Oriental Languages Information Processing Society, Singapore) and NUS HLTLAB (funded by Prof. Haizhou Li). At NTU, they had meetings with some professors and Singapore Chapter of IEEE Industrial Electronics Society. In addition, they had some discussions on mutually beneficial cooperation

Visiting and Discussing in Singapore

Visits to APSIPA Headquarter

On April 28, APSIPA VP (IRED), Prof. He leading a delegation of professors from Northwestern Polytechnical University visited APSIPA Headquarter in Hong Kong. They met with Prof. Wan-chi Siu (former president), Prof. Lam Kenneth (VP) and Prof. Bonnie Law (current VP). They discussed possible cooperation and education program of the association.

Visiting and Discussing at APSIPA Headquarter, Hong Kong

APSIPA Industrial Distinguished Leaders, Class of 2023

by APSIPA Industrial Governance Board (IGB) Chairs
Dr. Seishi Takamura, VP - Industrial Relations and Development, IGB Chair
Dr. Ning Xu, Deputy VP - Industrial Relations and Development, IGB Deputy Chair
Dr. Zhou Ren, IGB Industrial Publication Committee Chair
Dr. Cheng-Kuang Lee, IGB Industrial Membership Committee Chair
Dr. Toshihiko Sugie, IGB Industrial Forum Committee Chair

The APSIPA Industrial Distinguished Leader (IDL) is a distinction reserved for selected APSIPA members (or potential members) whose extraordinary accomplishments in any of the fields related to APSIPA scope are deemed fitting of this prestigious recognition. APSIPA Industrial Governance Board members nominate qualified IDL candidates, who have a job title as VP or above, or are Fellow of professional organizations like IEEE, ACM etc., and finally select and award IDLs if they match our criteria (contributing an invited position paper to APSIPA TSIP, or contributing an invited talk at an APSIPA's Industry Forum). APSIPA has set up this award since 2014. The APSIPA IDL is targeted to very selective industrial leaders who have made significant contributions and is a distinction reserved for selected APSIPA members (or potential members) whose extraordinary accomplishments in any of the fields related to APSIPA scope are deemed fitting of this prestigious recognition.

The APSIPA IDL nomination and selection processes are held twice a year. Past recipients can be found at http://www.apsipa.org/industrial.htm#IDL. In 2023, three people were selected as the recipients of APSIPA IDL.
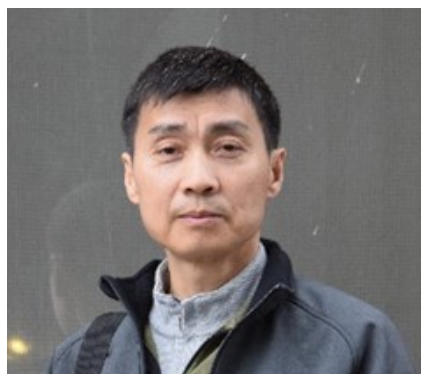
Class of 2023 Spring

• Zicheng Liu, partner research manager, Microsoft Azure AI

Class of 2023 Fall

• Serhad Doken, ADEIA CTO

• Stefan Winkler, Research Director, ASUS Intelligent Cloud Services (AICS)

APSIPA Industrial Distinguished Leaders, Class of 2023

Dr. Zicheng Liu, partner research manager, Microsoft Azure AI

Title of APSIPA Transactions on Signal and Information Processing invited position paper: "Exploring challenges and opportunities of wearable robots: a comprehensive review of design, human-robot interaction and control strategy"

Zicheng Liu received his Ph.D. in computer science from Princeton University in 1996. He got his B.S. degree in mathematics from HuaZhong Normal University, Wuhan, China, in 1984, and his M.S. in Operations Research from the Institute of Applied Mathematics, Chinese Academy of Sciences, in 1989. Before joining Microsoft Research, he worked at Silicon Graphics, Inc. as a member of technical staff for two years, where he developed the trimmed NURBS tessellator shipped in both OpenGL and the OpenGL Optimizer.

His current research interests include vision-language pretraining and LMMs, image and video synthesis, 3D human body and hand reconstruction, neural network architecture design, and human activity understanding. He has worked on a variety of topics including 3D face modeling and animation, Steiner trees, average case complexity, linked figure animation, and trimmed NURBS tessellation for large CAD model visualization.

Zicheng Liu has served in the technical committee for many international conferences. He was a member of the Audio and Electroacoustics Committee of IEEE Signal Processing Society. He was the chair of the Multimedia Systems and Applications Technical Committee of IEEE CAS society. He was a steering committee member of IEEE Transactions on Multimedia. He is the Editor-in-Chief of Journal of Visual Communications and Image Representation..He is an affiliate professor in the department of Electrical Engineering, University of Washington. He was an IEEE distinguished lecturer from 2015-2016. He is a Fellow of IEEE.

APSIPA Industrial Distinguished Leaders, Class of 2023

Dr. Serhad Doken, ADEIA CTO

Title of APSIPA Transactions on Signal and Information Processing invited position paper: "Using Occluded 3D objects for Gamified Mixed Reality Captcha"

Serhad Doken is the Chief Technology Officer at Adeia Inc. He is responsible for the technology roadmap, research strategy and advanced research and development (R&D) projects. He previously was the Executive, Director of Innovation & Product Realization at Verizon where he drove new 5G and mobile edge computing powered services for consumer and enterprise businesses. Prior to Verizon, Serhad was VP, Innovation Partners at InterDigital focused on technology strategy and external R&D projects and partnerships. Prior to InterDigital, Serhad worked on emerging mobile technology incubation at Qualcomm. Prior to this, he held positions at Cisco Systems, Nortel Networks and PSI AG.

Serhad is an inventor on 43 granted worldwide patents and over 140 worldwide applications in 47 unique families. Serhad has a Computer Engineering degree from Bosphorus University and has completed the M&A Executive Education Program at The Wharton School and the New Ventures Executive Education Program at Harvard Business School.

Featured in Technology Magazine in October 2022. Recognized as 2022 Top leaders in Parks Associate.

APSIPA Industrial Distinguished Leaders, Class of 2023

Dr. Stefan Winkler, Research Director, ASUS Intelligent Cloud Services (AICS), and Adj. Assoc. Prof., National University of Singapore

Title of APSIPA ASC 2023 Industrial Forum Lecture: "Machine Learning for Healthcare Applications"

Stefan Winkler is Research Director of Asus Intelligent Cloud Services (AICS) as well as Adjunct Associate Professor at the National University of Singapore (NUS). Prior to that he was Deputy Director at AI Singapore. He also co-founded two start-ups (Genista and Opsis) and worked for a Silicon Valley company.

Dr. Winkler has a Ph.D. degree from the Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland, and a Dipl.-Ing. (M.Eng./B.Eng.) degree from the University of Technology Vienna, Austria. He is an IEEE Fellow and has published over 150 papers, one of which received the Best Paper Award of IEEE Trans. Affective Computing. He served as Member of the IEEE IVMSP Technical Committee, Technical Program Chair of IEEE ICIP 2023, Associate Editor for IEEE Trans. Image Processing and IEEE Signal Processing Magazine. He also contributed to international standards in VQEG, ITU, ATIS, VSF, and SCTE. His research interests include video processing, computer vision, machine learning, perception, and human-computer interaction.

APSIPA Transactions on Signal and Information Processing (ATSIP)

1. The APSIPA Transaction on Signal and Information Processing (ATSIP) achieved several important milestones in 2022.

- **It received the first Journal Impact Factor from Clarivate in 2022**
  - 2022 Journal Impact Factor: 3.2
  - 2022 Journal Impact Factor without self-citation: 3.0
- **Its 2022 CiteScore s 8.5.**
  - It ranked as #19 out of 122 journals in the category of Signal Processing (84th percentile)
  - It ranked as #63 out of 379 journals in the category of Information Systems (83rd percentile)

2. The time from submission to the first decision and the final decision is given below:

	Time (#Days) to First Decision	Time (#Days) to Final Decision
2012	177	178
2013	84	397
2014	77	231
2015	80	247
2016	84	171
2017	82	238
2018	50	112
2019	54	65
2020	24	42
2021	25	42
2022	23	42
2023	29	57

3. It has 5 Special Issues in 2023

- Learning, Security, AIoT for Emerging Communication/Networking Systems (Jia-Ching Wang et al.)
- Advanced Acoustic, Sound and Audio Processing Techniques and Their Applications (Yu Tsao et al.)
- Emerging AI Technologies for Smart Infrastructure (Jiaying Liu et al.)
- AI for Healthcare (Sanjay Purushotham et al.)
- Pre-trained Large Language Models for Information Processing (Bin Wang et al.)

4. Two Special Issue call-for-papers are due on 10/31. They will appear in early 2024.

- Emerging Wireless Sensing Technologies for Smart Environments (Yan Chen et al.)
- Advanced Machine Learning Techniques for Remote Sensing: Algorithms and Applications (Man-On Pun et al.)

Call for Book Proposals

APSIPA Open Access Book Series

APSIPA is launching the APSIPA Open Access Book Series in collaboration with the NOW Publishers and Springer publisher. By publishing a book through the APSIPA Open Access Book Series, authors can benefit from increased visibility, faster production, and no production fee. These books can be textbooks, multi-author edited volumes, research monographs, etc. At least one author of each of the books must be an APSIPA member, and they can choose the publisher and the mode of publication.

Aims:

APSIPA is an association, which promotes research and education on signal and information processing, and publishing Open Access Books is an effective way to achieve our goals. The advantages of Open Access Book are the increased visibility, low production fees, and a faster production process. APSIPA will support all production fees and share the revenue with the authors. Also, APSIPA Editorial Board will support the peer review process and manage the production process with the publishers.

Proposal Submission:

We invite prospective authors to submit the title, authors, book types (textbook, research monograph, handbook, multi-author edited book, etc.), contents, and a sample chapter. Also, please provide a one-page description of the aim and importance of the book. Please provide these materials in a free format to the Editor-in-Chief, Prof. Nam Ik Cho, via email to nicho@snu.ac.kr. When the proposal is accepted, the manuscript for the peer review needs to be submitted within eight months from the acceptance notification. Please visit here for details of the book production process and revenue sharing with APSIPA.

Editorial Board:

Editor-in-Chief:
Nam Ik Cho, Seoul National University, Korea. (nicho@snu.ac.kr)

Editorial Board Members:

Zhiyi Yu, Sun Yat-Sen University, China

Yan Chen, University of Science and Technology of China, China

Yu Tsao, Academia Sinica, Taiwan

Koichi Fujiwara, Nagoya University, Japan

Chia-Hung Yeh, National Taiwan Normal University, Taiwan

Minoru Kuribayashi, Okayama University, Japan

Po-Chiang Lin, Yuan Ze University, Taiwan

Jen-Tzung Chien, National Yang Ming Chiao Tung University, Taiwan

APSIPA VP-Publications:

Weisi Lin, Nanyang Technological University, Singapore

APSIPA Membership

Asia-Pacific of Signal and Information Processing Association (APSIPA) is an international association that promotes the advancement of signal and information processing research and development. This includes fostering international research exchange and nurturing young students and researchers to excel in our field. Signal and information processing is a core subject that finds its niche in many disciplines so advancements in SIP will benefit all these fields. The membership fees are greatly reduced to make APSIPA services available to as many people as possible and accordingly contribute widely to proliferate knowledge, which is one of the APSIPA missions.

To motivate APSIPA members to participate in APSIPA conferences, the registration for the 14th APSIPA conference implies an automatic renewal of APSIPA membership up to the end of December 2023. Online Registration will open in September 2022.

Membership Benefits:

- Links to highly qualified people within the organization to develop research, technology, teaching, and career

- Discount fee on APSIPA conferences

- Reduced subscription fee for APSIPA journals

- Access to information about the international activities in signal and information processing such as conferences, continuing education, short courses, seminars, distinguished lecture series, student internships, scholarships, job listings, publication venues, and mentorships

Membership Categories:

There are two main categories in APSIPA membership:

1. Individual Memberships

- Student Membership: members are those who are enrolled full time in universities, institutes, or any accredited degree.

- Membership: Full members are individuals interested in being part of the APSIPA mission to excel signal and information processing field. They are eligible to vote, hold positions in APSIPA association, and contribute to serve as editorial board and program committee members in APSIPA journals and conferences.

- Life Membership: Full members may choose to subscribe as life members pending on paying the discount fee of life membership. Early-bird registration fee is available for life members at all times when registering for APSIPA ASC.

2. Patron Memberships

- Patron Members shall consist of those institutions, companies, laboratories or other organizations in signals and information processing, and which shall be from time to time elected to membership in accordance with the Bylaws of the Association.

Membership subscription Fees

1. Individual Memberships

Type of membership	Fees in US$	Fees in HK$
Student Membership	10 (per annual)	78 (per annual)
Full Membership	30 (per annual)	234 (per annual)
Life Membership	300 (a one-off fee)	2340 (a one-off fee)

2. Patron Memberships

The patron membership fee is decided upon agreement with APSIPA based on the type of organisation and number of participants.

Summary of Links

- APSIPA ASC 2023: http://www.apsipa2023.org/

- APSIPA ASC 2024: http://www.apsipa2024.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

- APSIPA Local Chapters: http://www.apsipa.org/chapter/index.html

- APSIPA Magazine: http://www.apsipa.org/doc/magazine/apsipa_magazine2018.pdf

- APSIPA Photo Gallery: http://www.apsipa.org/photo/photo.htm

APSIPA Who's Who

President: Tatsuya Kawahara, Kyoto University, Japan

President-Elect: Woon-Seng Gan, Nanyang Technological University, Singapore

Past Presidents: Sadaoki Furui (2009-2012), C.C. Jay Kuo (2013-2014), Haizhou Li (2015-2016), Wan-Chi Siu (2017-2018) Hitoshi Kiya (2019-2020)

Immediate Past President: Anthony Kuh, University of Hawaii at Manoa, USA

VP - Conferences: Kosin Chamnongthai, King Mongkut's University of Technology Thonburi, Thailand

VP - Industrial Relations and Development: Seishi Takamura, NTT Corporation, Japan

Deputy VP - Industrial Relations and Development: Ning Xu, Dolby Laboratories, USA

VP - Institutional Relations and Education Program: Mingyi He, Northwestern Polytechnical University, China

VP - Member Relations and Development: Toshihisa Tanaka, Tokyo University of Agriculture and Technology, Japan

VP - Publications: Weisi Lin, Nanyang Technological University, Singapore

VP - Technical Activities: Yih-Fang Huang, University of Notre Dam, USA

Members-at-Large:

Waleed H. Abdullah, The University of Auckland, New Zealand

Nam Ik Cho, Seoul National University, Korea

Isao Echizen, National Institute of Informatics, Japan

Jing-Ming Guo, National Taiwan University of Science and Technology, Taiwan

Yoshinobu Kajikawa, Kansai University, Japan

Kin-Man Lam, **Kenneth**, The Hong Kong Polytechnic University, Hong Kong

Bonnie Ngai-Fong Law, The Hong Kong Polytechnic University, Hong Kong

Chris Gwo Giun Lee, National Cheng Kung University, Taiwan

Sanghoon Lee, Yonsei University, Seoul, Korea

Antonio Ortega, University of Southern California, USA

KokSheik Wong, Monash University, Malaysia

**Shoji Makino**, Waseda University, Japan

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,
email: enkmlam@polyu.edu.hk
Secretary: Ngai-Fong Law, Bonnie,
email: ennflaw@polyu.edu.hk
Treasurer: Yuk-Hee Chan, Chris,
email: enyhchan@polyu.edu.hk
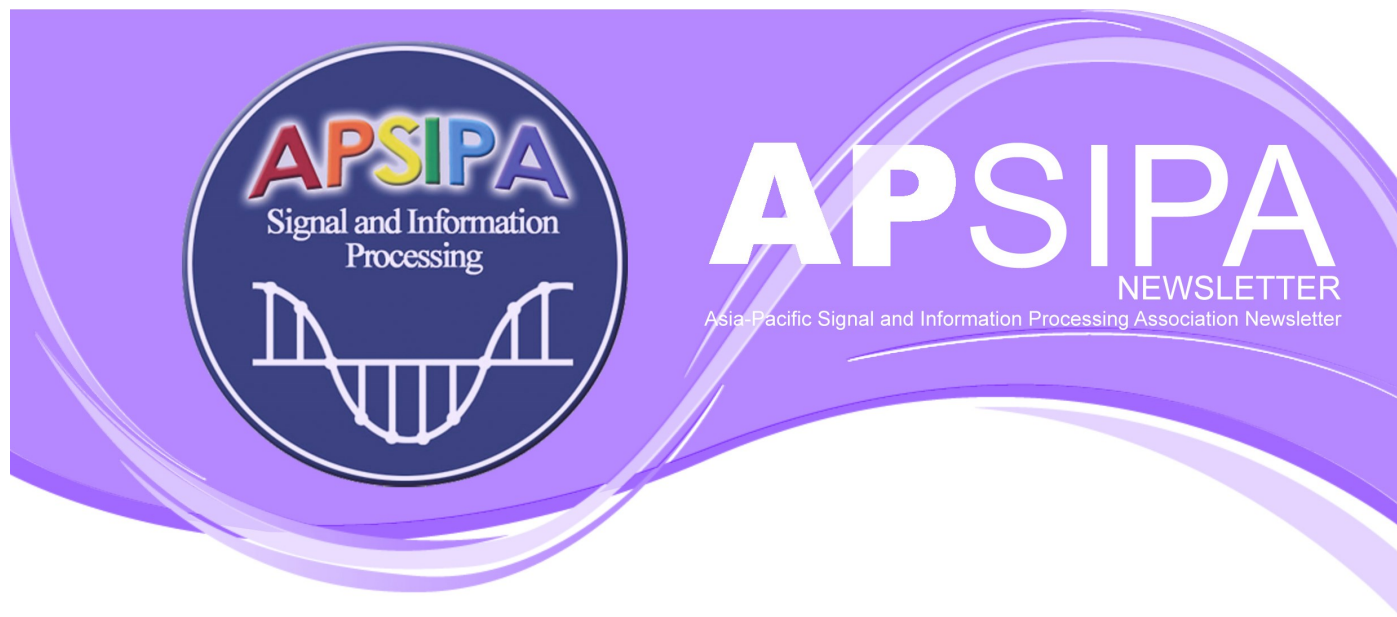
APSIPA Newsletter Editorial Board Members

Sanghoon Lee (Editor-in-Chief), Yonsei University, Korea.

Jiantao Zhou (Vice Editor-in-Chief), University of Macau, Macau.

Bonnie Law (Past Editor-in-Chief), The Hong Kong Polytechnic University, Hong Kong.

KokSheik Wong (Past Editor-in-Chief), Monash University Malaysia, Malaysia

Yoshinobu Kajikawa, Kansai University, Japan.

Xie Lei, Northwestern Polytechnical University, China.

Are you an APSIPA member?
If not, then register online at
http://www.apsipa.org