

Message from General Co-Chairs



Nipon Theera-
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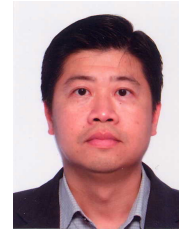
Kosin
Chamnongthai



Toshihisa Tanaka



Anthony Kuh



Kenneth Kin-
Man Lam

Welcome to the 2022 version of Asia Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC 2022). This year ASC is held in Chiang Mai, the capital of the ancient Lanna Kingdom dated back over 700 years. APSIPA ASC 2022 is our first face-to-face ASC after the beginning of COVID-19. The committee decided to have the ASC in presence so that we can get back to normal life. However, we allow video presentations by the participants who cannot come in person due to restrictions established by their countries or institutions.

This year ASC provides the broad spectrum of activities like previous years. It is our great honor to welcome 3 keynote speakers:- Kyoung Mu Lee, Weisi Lin, and Dong Yu. For the general track, there are technical sessions on 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; and Signal and Information Processing for Smart Systems. On top of that, APSIPA ASC 2022 provides 23 special sessions, 4 tutorials, and 1 industrial forum. There are 7 lectures for Winter School and Distinguished Lecturer Program. The APSIPA Sadaoki Furui Prize Paper Award will be announced during the ASC. There is also a Special Memorial Event for Prof. Sadaoki Furui,

APSIPA Founding President. The APSIPA social events including Board of Governors (BoG) Meeting, Technical Committee (TC) Meetings, Annual General Meeting (AGM), and APSIPA Women Luncheon are arranged.

Even in the uncertain time period due to the pandemic, APSIPA ASC 2022 still attracted 496 submissions in which 360 of those were accepted. As of now, there are more than 400 participants registered. We anticipate to have some more walk-in registrations during the ASC. We would like to thank Google, Huawei, and Thailand Convention & Exhibition Bureau (TCEB) for the financial sponsorships. The technical sponsors this year include Chiang Mai University, IEEE Signal Processing Society, IEEE Thailand Section, IEEE Computer Society (Thailand Chapter), and Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology Association of Thailand.

Finally, we would like to thank all of committee members, staff, and student helpers who make this ASC possible. Your tirelessly work and efforts to prepare and host our ASC during the past several months till now are recognized. Last but not least, we would like to express our appreciation to all participants for your supports, whether those who can make it to Chiang Mai or join us online. We cannot complete this ASC without your supports. Enjoy your stay in the wonderful city of Chiang Mai.

General Co-Chairs, APSIPA ASC 2022

Message from APSIPA president



On behalf of the Asia Pacific Signal and Information Processing Association (APSIPA) it is my great pleasure and honor to welcome each of you to the APSIPA Annual Summit and Conference (ASC), to be held in-person in Chiang Mai, Thailand from November 7-10, 2022. This is the 14th APSIPA ASC and the first in-person ASC to be held fully in-person since 2019.

The first APSIPA ASC was held in Sapporo, Japan in 2009 and we have had annual ASCs every year since then in locations around Asia, United States, and New Zealand. Since 2009, APSIPA has become a vibrant community of researchers and educators in signal and information processing. APSIPA now has many activities for our members including distinguished lecturers, seasonal schools, technical committee activities, and local chapter activities. In addition, we have the APSIPA Transactions on Signal and Information Processing and the APSIPA Newsletter.

Our premier event and most visible activity continue to be our Annual Summit and Conference. We hope that all of you can enjoy, learn, and benefit from this year's ASC.

This year, the APSIPA ASC will be held in the beautiful city of Chiang Mai which has a rich history and is a cultural landmark (UNESCO title of creative city) located in a mountainous region in northern Thailand. This is the first APSIPA ASC to be held in-person since the outbreak of COVID-19 as APSIPA ASC 2020 held in Auckland, New Zealand was entirely virtual and APSIPA ASC 2021 held in Tokyo, Japan was a hybrid (in-person and virtual) conference. We look forward to welcoming back the APSIPA community in person at the ASC.

We give our sincere thanks to the entire organizing committee and volunteers with special thanks to the General Co-Chairs: Prof. Nipon Theera-Umpon, Prof. Kosin Chamnongthai, Prof. Toshihisa Tanaka, and Prof. Kenneth Kin-Man Lam. They have worked hard to put together a great program that includes keynote talks, overview sessions, special sessions, regular sessions, and an industrial forum. Additionally, there will be a winter school (date and time to be announced) and the second APSIPA women's event (date and time to be announced). We would also like to thank the keynote speakers, authors of special session and regular papers, and all attendees.

We look forward to a very successful APSIPA ASC and I hope to interact with many of you.

Best wishes and thank you,

Anthony Kuh

President, APSIPA (2021-2022)