

WELCOME MESSAGE FROM GENERAL CO-CHAIRS

On behalf of the Asia Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC) 2017 Organizing Committee, we would like to cordially welcome you to Kuala Lumpur (KL), national capital of Malaysia.

APSIPA ASC 2017 is the ninth annual conference organized by 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 South 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.

Kuala Lumpur and its surrounding urban areas form the most industrialized and economically, the fastest growing region in Malaysia. KL city covers an area of 243 km² and has an estimated population of 1.73 millions (as of 2016), which is also the largest city in Malaysia. Kuala Lumpur means “muddy confluence”, where rivers joining together. By hosting APSIPA ASC 2017 in KL, we bring together people and ideas into this vibrant Asian city to discuss the latest happening in our fields of research. KL was established in 1859 for tin-mining, and now it has become the home for many multinational companies and the host of many major events, including the Commonwealth Games 1998, Formula 1, and various major conferences including International Palm Oil Congress 2017, as well as 2016 IEEE International Conference on Communications. No other country has Asia’s three major races, i.e., Malay, Chinese and Indian, plus other ethnic groups in large numbers, and even British Colonialists. In Malaysia, one can experience such exciting diversity of cultures, festivals, traditions and a wide array of tastes and flavours with unbelievably delicious cuisines - a “Truly Asia” experience.

We would like to thank all organizing committee members for working hard to put together interesting and technically stimulating programme for APSIPA ASC 2017. This year, we introduce new initiatives into our programs with four keynotes, educational and industry forums all packed into this conference. Together with 5 tutorials, 1 industry workshop, 2 overview sessions, and 51 general and special sessions, our technical program spread across wide disciplines to suit everyone. We also received an all-time high in paper submission of more than 430 papers submitted by authors from all over the world, and we also received strong industry support to be our conference sponsors. This growing attendance and sponsor figures are a testament to the maturity of APSIPA, making APSIPA ASC the fastest growing conference in Signal and Information Processing in the Asia Pacific region. We would also like to thank all authors, reviewers for your strong contributions towards this event.

There are several highlights of this year APSIPA’s social program. We start off with a welcome reception in the ballroom of the conference on 12 Dec ‘17, and follows by a Banquet in the iconic KL Tower on 14 Dec’17, and concludes with a closing ceremony reception on the final day. Delegates can also visit many exciting tourist attractions in KL, and sample delicious Malaysian food and fruits during your stay.

We trust that you will find this conference to be an enjoyable and memorable event. Enjoy your stay in Kuala Lumpur and make new friends in the conference!

General Co-Chairs, APSIPA ASC 2017



Woon-Seng Gan
Nanyang Technological University,
Singapore



KokSheik Wong
Monash University Malaysia,
Malaysia



KaiKuang Ma
Nanyang Technological University,
Singapore