12th Asia Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC)

(Auckland Fully Virtual Conference)

DECEMBER 7 – 10, 2020, AUCKLAND, NEW ZEALAND
WWW.APSIPA2020.ORG

Timeline/Important Dates

- **March 1, 2020** — Submission of Proposals for Special Sessions, Forum, Panel & Tutorial Sessions
- **April 1, 2020** — Notification of Acceptance for Special Sessions, Forum, Panel & Tutorial Sessions
- **April 8, 2020** — Online Submission Website Ready for Full, Short and Special Sessions Papers Upload
- **August 1, 2020** — All Papers Submission
- **October 1, 2020** — Notification of All Papers Acceptance
- **November 1, 2020** — Submission of Camera-Ready Papers
- **November 1, 2020** — Early Bird Authors Registration
- **December 7 – 10, 2020** — Tutorials, Summit and Conference Dates

Central Auckland from Kingsland

Empowering societies with new generation AI & deep machine Learning

APSIPA ASC 2020 (www.apsipa2020.org) is the 12th annual conference organised by Asia-Pacific Signal and Information Processing Association (APSIPA), which will be held on December 7 – 10, 2020, Auckland, New Zealand. Founded in 2009, APSIPA organisation (www.apsipa.org) aims to promote research and education in signal processing, information technology, and communications. The annual conferences have been held previously in Lanzhou, China (2019), Hawaii, USA (2018), Kuala Lumpur, Malaysia (2017), Jeju, Korea (2016), Hong Kong, China (2015), Siem Reap, Cambodia (2014), Kaohsiung, China (2013), Los Angeles, USA (2012), Xi'an, China (2011), Singapore (2010), and Sapporo, Japan (2009).

APSIPA is interested in all aspects of signal and information processing theories, algorithms, securities, implementations, and applications. Call for Special Sessions – APSIPA ASC 2020 program augments the main program with selected special sessions. Please refer to the conference web page for information about the proposals and submissions of the special sessions. Call for Tutorials – Organising tutorials at APSIPA ASC 2020 is one of APSIPA organisation strategies to proliferate and ease learning in core subjects and new topics in evolving research branches. Therefore, the tutorials should be addressed to attract a wide audience. Applicants interested in presenting tutorials may discuss their proposals with one of the tutorial chairs for more information. Call for Exhibitors and Sponsors – APSIPA ASC 2020 organisers encourage exhibitors, publishers, and companies to showcase their products during the conference period. Please refer to the conference web page for full information. All accepted papers are expected to be included in IEEE Xplore and indexed by EI, like all previous years.

Early-Bird Conference Registration Fees: Full paper $250; Extra Author $180
One page paper $180 (All payments are in New Zealand Dollars)

The technical program includes, but not limited to, the following areas

- 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
- Signal and Information Processing in Education
- Medical Signal Acquisition, Analysis and Processing
- Internet of Things Technology
- Data Analytics and Machine Learning
- Deep Learning: Algorithms, Implementations, and applications
- Human Biometrics and Security Systems
- Renewable Energy, Sustainability and the Environment
- AI and Smart Grids
- AI and Power Systems
- Wireless Power Transfer
- Autonomous Intelligent Self-Driving Cars
- Smart Materials and Sensors
- Signals and Control Systems

Organising Committee

Honorary Chairs: Sadaoki Furui, K.J. Ray Liu, Haizhou Li, Wan-Chi Siu, Hitoshi Kiya, Antony Kuh **General Chairs:** Waleed Abdulla, C.-C. Jay Kuo, Tatsuya Kawahara, Sing Kiong Nguang **TPC Chairs:** Nam Ik Cho, Jiwu Huang, Koichi Shinoda, Yoshinobu Kajikawa **TPC Co-Chairs:** Mingyi He, Dong Wang, Supavadee Aramvith, Isao Echizen, Osamu Takyu, Zhiyi Yu, Kazushi Ikeda **Plenary Chairs:** Min Wu, Woon Seng Gan, Antonio Ortega **Tutorial Chair:** Eliathamby Ambikairajah **Tutorial Co-Chair:** Vidhyasaharan Sethu **Overview Session Chairs:** Chung-Hsien Wu, Kai-Kuang Ma **Industrial Forum Chair:** Xun Xu **Special Sessions Chairs:** Wen-Huang Cheng, Jiaying Liu, Chang-Su Kim **Sponsor Chairs:** Thomas Fang Zheng, Yun Sing Koh, Lei Xie, Nitish Patel **Finance Chairs:** Nirmal Nair, Kenneth Lam **Registration Chairs:** Bonnie N.F. Law, Iman T. Ardekani **Publication Chair:** Sanghoon Lee **Web Chair:** Je-Won Kang **Publicity Co-Chairs:** Yo-Sung Ho, Hiroshi Saruwatari, Ming-Ting Sun, Roberto Togneri, Changchun Bao, Martin Drahanský **Local Management Committee:** Akshya Swain (Chair), William Lee, Yuqian Lu, Ho Seok AHN