APSIPA ASC 2021 Program at a glance

Color Keys	1. SPS	2. SIPTM	3. SLA	4. BioSiPS	5. IVM	6.MSF	7.WCN	8. MLDA

DAY - 1 (Dec. 15)

JST	Session	Live - A (Hall)	Live - B (Annex)	Live - C (10A)	Live - D (Virtual)	On-Demand - A	On-Demand - B	On-Demand - C
10:30-11:00		Opening Ceremony						Overview Session (Full On-Demand) OS-1: Acoustic Signal Processing OS-2: Information Processing for Speech and Environmental Sounds OS-3: Multimedia Security OS-4: Deep Learning for Image Processing
11:00-11:20		Break						
11:20-13:20	1-1	SS-IVM-4 Advanced Topics in Low Precision Image Processing	SS-WCN-1(1) Digital Convergence of 5G/B5G, AIoT and Security (1)	SS-BioSiPS-1 Deep Learning for Biomedical Signal Processing and Systems	SS-SLA-1 Robust Speaker Recognition with Microphone Arrays	OD-SLA-1 Speech Recognition	OD-SPS Signal Processing Systems	
13:30-14:10		Workshop(LINE) LINE CLOVA: Recent Achievements and Future Plans		Lunch Break				
13:20-14:40								
14:40-16:40	1-2	SS-SPS-1 High-Performance Image Processing	SS-MSF-1 The Future of Biometrics beyond Recognition and Security	SS-IVM-2 Advances in Human Behavior Sensing and Understanding	SS-WCN-1(2) Digital Convergence of 5G/B6G, AIoT and Security (2)	OD-SLA-2 Speech Enhancement	OD-SIPTM Theory and Methods	
16:40-17:00		Break						
17:00-18:00		Live-A（Hall) Keynote Speaker -1 (Prof. Karlheinz Brandenburg) "Creating Auditory Illusions with Binaural Technology: Algorithms and Test Methodology"						

DAY - 2 (Dec. 16)

JST	Session	Live - A (Hall)	Live - B (Annex)	Live - C (10A)	Live - D (Virtual)	On-Demand - A	On-Demand - B
9:00-11:00	2-1	SS-BioSiPS-2 Signal Processing in Behavior Analysis	SS-MSF-2 Deep Generative Models for Media Clones and Its Detection	SS-MLDA-1 Online and Distributed Kernel Learning Algorithms	SS-SPS-2 Reconfigurable Computing and Performance Evaluation	OD-SLA-3 Speech Enhancement and Separation	OD-IVM1 Image and Video Processing
11:00-11:20		Break					
11:20-12:20		Live-A（Hall) Keynote Speaker -2 (Prof. Shun-ichi Amari) "Statistical Neurodynamics of Deep Learning"					
12:30-13:10		APSIPA Women's Event Promoting diversity in APSIPA		Lunch Break			
13:10-13:50							
14:00-16:00	2-2	SS-SLA-2 Advanced Topics on Sound Event and Scene Analysis	SS-SIPTM-1 Signal Processing and Machine Learning over Graphs	SS-IVM-3 High Performance Image and Video Processing and Applications	SS-SPS/IVM(1) Advanced Image, Video and Multimedia Processing using Deep Learning(1)	OD-SLA-4 Emotion, Paralinguistic, and Speaker Analysis	OD-MSF/WCN Security and Communications
16:00-16:20		Break					
16:20-18:20	2-3	SS-SPS-3 Complex- and Hypercomplex-valued Adaptive Signal Processing	SS-SIPTM-2 Objective Measurements in Psychological and Cognitive Sciences	SS-SLA-3 Recent Topics on Signal and Information Processing for Active Control of Sound	SS-SPS/IVM(2) Advanced Image, Video and Multimedia Processing using Deep Learning (2)	OD-SLA-5 Speech Synthesis and Voice Conversion	OD-MLDA Machine Learning and Data Analytics

DAY - 3 (Dec. 17)

JST	Session	Live - A (Hall)	Live - B (Annex)	Live - C (10A)	Live - D (Virtual)	On-Demand - A	On-Demand - B
9:00-10:00		Live-A（Hall) Keynote Speaker -3 (Prof. Min Wu) "When Signal Forensics Meets Public Health"					
10:00-10:20		Break					
10:20-12:20	3-1	SS-WCN-2 Advanced Wireless Access Technologies and Data Analysis for IoT and Environmental Monitor	SS-SLA-4 Advanced Signal Processing and Machine Learning for Audio and Speech Applications	SS-IVM-1 Data Hiding Techniques for Enriched Multimedia and Beyond	Industrial Forum Research and development of consumer-oriented technologies and services	OD-SLA-6 Speech and Singing Voice Analysis	OD-IVM2 Computer Vision and Multimedia
12:20-13:00		Workshop(Xiaomi) Introduction of imaging/vision algorithm job in Xiaomi Japan R&D Center		Lunch Break			
13:00-15:00	3-2	SS-SPS-4 Digital Filters and Its Applications	SS-MSF-3(1) Intelligent Approaches in Signal Processing for Multimedia Security (1)	SS-SIPTM-3(1) Recent Advances in Acoustic & Biomedical Signal Processing (1)	SS-IVM-5 High Performance Intelligent Technologies for Image and Video Applications	OD-SLA-7 Acoustics and Sound Event Processing	OD-BioSiPS Biomedical Signal Processing and Systems
15:00-15:20		Break					
15:20-17:00	3-3	SS-IVM-6 Recent Advances in Deep Image Restoration	SS-MSF-3(2) Intelligent Approaches in Signal Processing for Multimedia Security (2)/Multimedia Security and Deepface	SS-SIPTM-3(2) Recent Advances in Acoustic & Biomedical Signal Processing (2)	SS-SLA-5 Multimodal Learning for Biological and Biomedical Acoustic Signal Processing	OD-SLA-8 Speech Recognition and Spoken Language Processing	OD-Research Abstract
17:00-17:10		Break					
17:10-18:00		General Assembly & Closing Ceremony					