

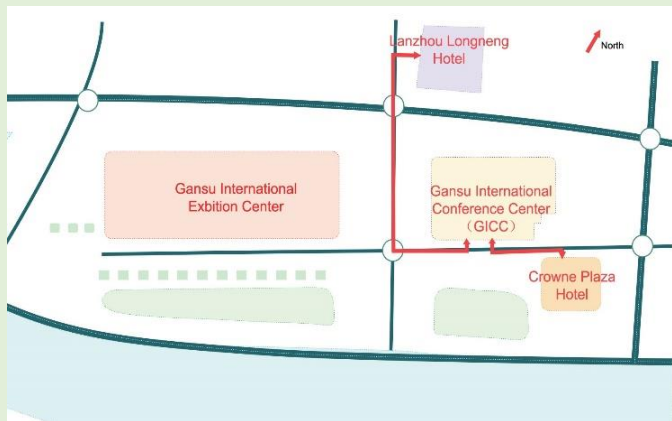
18th November 2019 (Monday) - Day 0

Time   Venue	A1 (Wuwei Hall, GICC 3F)	A2 (Linxia Hall, GICC 3F)	A3 (Dingxi Hall, GICC 3)
	<b>Tutorial 1</b>	<b>Tutorial 2</b>	<b>AutoWare Workshop</b>
9:30-11:30	Tensor Component Analysis. <i>Yipeng Liu</i>	Speech Enhancement based on Deep Learning and Intelligibility Evaluation. <i>Yu Tsao and Fei Chen</i>	<i>Alexander Carballo and Qingguo Zhou</i>
11:30-13:00	<b>Lunch Break (not served)</b>		
	<b>Tutorial 3</b>	<b>Tutorial 4</b>	<b>AutoWare Workshop</b>
13:30-15:30	Fundamental and Progress of Deep Learning Based Statistical Parametric Speech Synthesis. <i>Zhenhua Ling</i>	Few-Shot Learning, Adversarial Learning, and Their Applications. <i>Jen-Tzung Chien and Zhanyu Ma</i>	<i>Alexander Carballo and Qingguo Zhou</i>
15:30-16:00	<b>Coffee Break</b>		
	<b>Tutorial 5</b>	<b>Tutorial 6</b>	<b>AutoWare Workshop</b>
16:00-18:00	Fundamental and Progress of Immersive Visual Media Communications. <i>Yo-Sung Ho</i>	Signal Enhancement for Consumer Products. <i>Akihiko Sugiyama</i>	<i>Alexander Carballo and Qingguo Zhou</i>
18:00-19:00			<b>Executive Committee Meeting</b>

APSIPA ASC 2019 Technical Program

Please check the time-slot of your paper and prepare the presentation according to the session type (both SS and O are oral sessions).

The sign-in desk is at GICC, 1F.



- Organizers:
- Hosts:
- Platinum Sponsors:
- Gold Sponsors:
- Silver Sponsors:

Welcome Reception  
(Lanzhou Longneng Hotel 3F)

19th November 2019 (Tuesday) - Day 1

Time   Venue	A1 (Multi-function Office, GICC 4F)	A2 (Bayi Hall, GICC 4F)	A3 (Zhangye Hall, GICC 4F)	A4 (Jiuquan Hall, GICC 4F)	A5 (Jinchang Hall, GICC 4F)	A6 (Wuwei Hall, GICC 3F)	A7 (Linxia Hall, GICC 3F)	A8 (Dingxi Hall, GICC 3F)
8:30-9:00	<b>Open Ceremony</b> ★ (Grand Ballroom, Crowne Plaza Hotel, 3F)							
9:00-10:00	<b>Keynote 1: Transfer Learning: from Bayesian Adaptation to Teacher-Student Modeling.</b> <i>Chin-Hui Lee</i> (Haizhou Li, Professor of National University of Singapore) ★ (Grand Ballroom, Crowne Plaza Hotel, 3F)							
10:00-10:20	<b>Coffee Break</b>							
	<b>Overview 1</b>	<b>TUE-AM1-SS1</b>	<b>TUE-AM1-SS2</b>	<b>TUE-AM1-SS3</b>	<b>TUE-AM1-O1</b>	<b>TUE-AM1-O2</b>	<b>TUE-AM1-O3</b>	<b>TUE-AM1-SS4</b>
10:20-12:00	<i>Kazushi Ikeda, Jianquan Liu, Chung-Hsien Wu (Homer Chen)</i>	Convergence of 5G with SDN/NFV/Cloud <i>Po-Chiang Lin, Wen-Ping Lai</i>	Signal Processing for Big Data and Its Security <i>Yuhong Liu</i>	Machine Learning for Small-sample Data Analysis <i>Zhanyu Ma, Jen-Tzung Chien, Ruiping Wang, Xiaoxu Li</i>	Voice conversion <i>Nobuaki Minematsu</i>	Speech Synthesis <i>Rohan Kumar Das</i>	Speech Recognition <i>Hemant Patil</i>	Recent Advances in Biometric Security <i>Koichi Ito, Tetsushi Ohki</i>
		Paper ID: 286, 327, 355, 395, 403	Paper ID: 264, 295, 336, 357, 397, 457	Paper ID: 103, 356, 376, 378, 380, 383, 416	Paper ID: 68, 73, 94, 114, 140, 207	Paper ID: 132, 190, 193, 200, 402	Paper ID: 170, 172, 205, 214, 215, 216	Paper ID: 303, 322, 409, 420, 421, 442
12:00-13:20	<b>Lunch Break</b> (Lanzhou Longneng Hotel 3F, 8F)							
			<b>Friend Lab1</b> Machine Learning TC	<b>SPS Meeting</b>			<b>IVM Meeting</b>	<b>MSF Meeting</b>
13:20-15:00	<b>POSTER 1</b> <i>Zhiyi Yu</i> Paper ID: 11, 40, 57, 59, 60, 72, 74, 111, 125, 134, 135, 136, 142, 144, 146, 149, 159, 161, 166, 169, 180, 186, 196, 199, 219, 239, 240, 249, 256, 300, 343, 350, 384, 414, 426, 428, 449, 479					<b>Conference Board Meeting</b> (Jinchang Hall, GICC 4F)		
	<b>Overview 2</b>	<b>TUE-PM2-SS1</b>	<b>TUE-PM2-O1</b>	<b>TUE-PM2-O2</b>	<b>TUE-PM2-O3</b>	<b>TUE-PM2-O4</b>	<b>TUE-PM2-O5</b>	<b>TUE-PM2-O6</b>
15:00-16:40	<i>Hsin-Min Wang, Chang-Su Kim, Sanghoon Lee (Nam Ik Cho)</i>	Signal Processing for Crowd Science <i>H. Vicky Zhao, Yan Che</i>	Speech Emotion Recognition <i>Chi-Chun Lee</i>	Speaker Recognition <i>Yanhua Long</i>	Image Processing <i>Isao Echizen</i>	Speech Synthesis <i>Jun Du</i>	Speech Recognition <i>Xueliang Zhang</i>	Speech Enhancement <i>Meng Sun</i>
		Paper ID: 130, 133, 297, 305, 390	Paper ID: 47, 93, 173, 220, 294	Paper ID: 171, 197, 235, 246, 255, 340	Paper ID: 245, 325, 385, 404, 433, 462	Paper ID: 105, 107, 109, 121, 126	Paper ID: 106, 116, 145, 147, 150, 152	Paper ID: 115, 162, 253, 332, 450
16:40-17:00	<b>Coffee Break</b>							
	<b>Industrial Forum</b>	<b>TUE-PM3-SS1</b>	<b>TUE-PM3-SS2</b>	<b>TUE-PM3-SS3</b>	<b>TUE-PM3-SS4</b>	<b>TUE-PM3-O1</b>	<b>TUE-PM3-O2</b>	<b>TUE-PM3-O3</b>
17:00-18:40	Intelligent Signal and Information Processing in Industries	Special Learning under Limited Samples Scenarios <i>Ganggang Dong, Yinghua Wang, Bo Chen</i>	Signal Processing in Behavior Analysis <i>Kazushi Ikeda, Li-Wei Kang</i>	Latest Progress on Fractional Signal Processing Theory and Application <i>Bing-Zhao Li, Xiaolong Chen, Yong Guo</i>	High Performance Image and Video Processing and Applications <i>Kosin Chamnongthai</i>	Speaker Recognition <i>Dong Wang</i>	Speech Recognition <i>Hsin-Min Wang</i>	Speech Enhancement <i>Changchun Bao</i>
		Paper ID: 435, 439	Paper ID: 266, 347, 362, 373, 458, 461	Paper ID: 34, 259, 367, 374, 400, 473	Paper ID: 67, 90, 177, 298, 341, 475	Paper ID: 99, 100, 128, 138, 157	Paper ID: 13, 15, 23, 24, 71, 98	Paper ID: 4, 77, 81, 85, 86
19:00-22:00	<b>Buffet</b> (Lanzhou Longneng Hotel 3F, 8F)					<b>BOG Meeting</b> (Jinchang Hall, GICC 4F)		

20th November 2019 (Wednesday) - Day 2

Time \ Venue	A1 (Multi-function Office, GICC 4F)	A2 (Bayi Hall, GICC 4F)	A3 (Zhangye Hall, GICC 4F)	A4 (Jiuquan Hall, GICC 4F)	A5 (Jinchang Hall, GICC 4F)	A6 (Wuwei Hall, GICC 3F)	A7 (Linxia Hall, GICC 3F)	A8 (Dingxi Hall, GICC 3F)	
9:00-10:00	<b>Keynote 2: Digital Retina – Improvement of Cloud Artificial Vision System from Enlighten of HVS Evolution. Wen Gao</b> (Hitoshi Kiya, Professor at Tokyo Metropolitan University, President of APSIPA) (Multi-function Office, GICC 4F)								
10:00-10:20	Coffee Break								
10:20-12:00	WED-AM1-O1	WED-AM1-O2	WED-AM1-O3	WED-AM1-O4	WED-AM1-O5	WED-AM1-O6	WED-AM1-O7	WED-AM1-O8	
	Paralinguistics in Speech and Language <i>Yu Tsao</i>	Neural Signal Processing <i>Kazushi Ikeda</i>	Computer Vision <i>Ce Zhu</i>	Language Learning <i>Aijun Li</i>	Dialog System <i>Qin Jin</i>	Adaptive Signal Processing <i>Mau-Luen Tham</i>	Signal Processing Methods <i>Shinsuke Ibi</i>	Image Processing <i>Sanghoon Lee</i>	
	Paper ID: 112, 153, 154, 225, 456	Paper ID: 87, 187, 195, 399, 422	Paper ID: 44, 46, 84, 97, 108, 184	Paper ID: 158, 181, 185, 444, 454	Paper ID: 3, 7, 63, 82, 231	Paper ID: 1, 2, 31, 273, 284	Paper ID: 21, 32, 58, 102, 117	Paper ID: 104, 143, 183, 191, 218, 226	
12:00-13:20	<b>Lunch Break</b> (Lanzhou Longneng Hotel 3F, 8F)								
	Friend Lab2 Women in APSIPA	SLA Meeting	BioSIPS Meeting	SIPTM Meeting	DL Meeting	WCN Meeting	Bylaw Meeting		
13:20-15:00	<b>POSTER 2</b> <i>Xiangui Kang</i>				<b>Technical Board Meeting</b> (Bayi Hall, GICC 4F)		<b>Editorial Board Meeting</b> (Jinchang Hall, GICC 4F)		
	Paper ID: 39, 80, 118, 131, 139, 188, 201, 203, 206, 208, 212, 222, 224, 232, 233, 238, 242, 248, 251, 252, 257, 261, 285, 301, 308, 335, 337, 339, 353, 361, 375, 427, 446, 460, 472, 476, 477, 478								
15:00-16:40	Overview 3	WED-PM2-SS1	WED-PM2-SS2	WED-PM2-SS3	WED-PM2-SS4	WED-PM2-SS5	WED-PM2-O1	WED-PM2-O2	
	<i>Hsueh-Ming Hang, Homer Chen, Jiwu Huang (Yoong-Choon Chang)</i>	Advanced Topics on High-dimensional Data Analytics and Processing <i>Supavadee Aramvith, Shogo Muramatsu</i>	Lightweight Signal Processing and Machine Learning for Embedded Applications <i>Hakuru Tamukoh, Hiroshi Tsutsui</i>	High Performance Video Processing and Image Identification <i>Junyong Deng</i>	Physical and Wireless Environment Recognition Based on Signal Processing <i>Osamu Takyu</i>	Robust Rich Audio Analysis <i>Xiao-Lei Zhang</i>	Signal Processing Methods <i>Mingyi He</i>	Image Processing <i>Zhonghua Sun</i>	
		Paper ID: 41, 311, 333, 430, 467	Paper ID: 175, 309, 310, 424, 445	Paper ID: 293, 316, 324, 352, 431	Paper ID: 321, 323, 358, 392, 405	Paper ID: 277, 330, 342, 366, 381, 386, 412	Paper ID: 113, 176, 227, 230, 351, 482	Paper ID: 8, 14, 16, 17, 27, 95	
16:40-17:00	Coffee Break								
17:00-18:40	WED-PM3-SS1	WED-PM3-SS2	WED-PM3-SS3	WED-PM3-SS4	WED-PM3-SS5	WED-PM3-SS6	WED-PM3-SS7	WED-PM3-SS8	
	Recent Advances in Fingerprinting and Data Hiding <i>Minoru Kuribayashi, David Megias Jimenez</i>	Recent Advances in Speaker Recognition, Speaker Diarization and Language Recognition <i>Qingyang Hong, Lin Li</i>	Deep Generative Models for Media Clones and Its Detection <i>Fuming Fang, Zhenzhong Kuang, Xin Wang</i>	Recent Trends in Signal Processing & Machine Learning - Acoustic & Biomedical Applications <i>Kiyoshi Nishikawa, Felix Albu, Akhtar, Muhammad Tahir</i>	Information Security for Digital Content <i>Xiangui Kang, KokSheik Wong, Linna Zhou</i>	Second Language Speech Perception and Production[1] <i>Ying Chen, Jian Gong</i>	Recent Topics on Signal and Information Processing for Active Control of Sound <i>Yoshinobu Kajikawa, Chuang Shi</i>	Advanced Signal Processing for 5G Communication <i>Na Chen, Minoru Okada</i>	
	Paper ID: 291, 302, 296, 410	Paper ID: 101, 160, 279, 348, 349, 438	Paper ID: 45, 313, 331, 346, 418	Paper ID: 49, 64, 75, 289, 359, 393	Paper ID: 36, 217, 250, 265, 288, 354, 417	Paper ID: 96, 151, 223, 320, 377, 411	Paper ID: 70, 271, 363, 391	Paper ID: 328, 388, 394, 480, 481	
18:40-19:10	<b>APSIPA General Assembly</b> ★ (Grand Ballroom, Crowne Plaza Hotel, 3F)								
19:10-22:00	<b>Banquet</b> ★ (Grand Ballroom, Crowne Plaza Hotel, 3F)								

21th November 2019 (Thursday) - Day 3

Time \ Venue	A1 (Multi-function Office, GICC 4F)	A2 (Bayi Hall, GICC 4F)	A3 (Zhangye Hall, GICC 4F)	A4 (Jiuquan Hall, GICC 4F)	A5 (Jinchang Hall, GICC 4F)	A6 (Wuwei Hall, GICC 3F)	A7 (Linxia Hall, GICC 3F)	A8 (Dingxi Hall, GICC 3F)	A9 (Qinyang Hall, GICC 3F)
9:00-10:00	<b>Keynote 3: Applying Deep Learning in Non-native Spoken English Assessment. Kate Knill</b> (Hongwu Yang, Professor, Northwest Normal University) (Multi-function Office, GICC 4F)								
10:00-10:20	Coffee Break								
10:20-12:00	Overview 4	THU-AM1-SS1	THU-AM1-SS2	THU-AM1-SS3	THU-AM1-SS4	THU-AM1-SS5	THU-AM1-SS6	THU-AM1-SS7	Friend Lab3
	<i>Seishi Takamura, Ying Loong Lee, Mau-Luen Tham (Dong Wang)</i>	Advanced Signal Processing and Machine Learning for Audio and Speech Applications <i>Shoji Makino, Hiroshi Saruwatari</i>	Multilingual Speech and Language Processing <i>Zhiyuan Tang, Dong Wang, GuanyuLi, Mijiti Ablimit</i>	Deep Learning Systems for Cloud, Fog, and Edge Computing, and Applications <i>Jia-Ching Wang</i>	Technologies for A Maximized Experience of Multi-dimensional Content: from 2D, 3D Modeling to An Objective Assessment <i>Sanghoon Lee, Chia-Hung Yeh</i>	Recent Trends in Computational Intelligence <i>Chern Hong Lim, Mei Kuan Lim</i>	Multi-source Data Processing and Analysis: Models, Methods and Applications <i>Ping Han, Qiuping Jiang, Runmin Cong, Chongyi Li</i>	Second Language Speech Perception and Production[2] <i>Ying Chen, Jian Gong</i>	Friend Labs in China
		Paper ID: 290, 318, 329, 364, 443	Paper ID: 61, 178, 319, 408, 429, 440	Paper ID: 278, 406, 441, 466, 469	Paper ID: 65, 272, 369, 448, 463	Paper ID: 202, 292, 344, 379, 419	Paper ID: 122, 260, 281, 312, 407	Paper ID: 413, 459, 465, 468, 474	
12:00-12:30	<b>Closing Ceremony</b> (Multi-function Office, GICC 4F)								
12:30-13:30	<b>Lunch Break</b> (Lanzhou Longneng Hotel 3F)								
14:00-18:00	Tour Activities								