

Seoul International Conference on Speech Sciences (SICSS 2019) Programme
15-16 November 2019, Seoul National University, Seoul, Korea

15 November 2019

Time	Event			
9:00-18:00	Registration (H14-B101)			
9:30-10:30	Paper Presentation 1			
	Session 1 (H14-B101) Phonetics & Phonology	Session 2 (H14-202) Phonetics & Phonology	Session 3 (H04-302) Speech Disorders	Session 4 (H03-104) Speech Technology
10:30-10:40	Break			
10:40-10:50	Opening Ceremony (H14-B101) Moderator: Ji-Hwan Kim (Sogang University)			
10:50-11:40	Keynote Speech 1 (H14-B101) Enhancing Intelligibility: Hyperarticulation, Visual, and Lexical Contributions Allard Jongman (The University of Kansas) Moderator: Hyunjung Lee (Incheon National University)			
11:40-11:45	Photo			
11:45-1:10	Lunch (H76-1 st floor)			
1:10-2:10	Paper Presentation 2			
	Session 5 (H14-B101) Phonetics & Phonology	Session 6 (H14-202) Phonetics & Phonology	Session 7 (H04-302) Speech Disorders	Session 8 (H03-104) Speech Technology
2:10-2:25	Break			
2:25-3:15	Keynote Speech 2 (H14-B101) Long-standing Problems in Speech Perception Dissolve within an Information-theoretic Perspective Keith Kluender (Purdue University) Moderator: Chul Hee Choi (Daegu Catholic University)			
3:15-3:30	Break			
3:30-4:30	Poster Presentation 1 (H14-105) Moderators: Tae-Jin Yoon (Sungshin University), Sang-Hee Park (Daegu Cyber University), Jeong Sik Park (Hankuk University of Foreign Studies)			
4:30-4:45	Break			
4:45-5:35	Keynote Speech 3 (H14-B101) Speech AI for Learning and Wellbeing Helen Meng (The Chinese University of Hong Kong) Moderator: Minhwa Chung (Seoul National University)			
5:35-6:00	General Meeting (H14-B101)			
6:00-9:00	Dinner (H76-2 nd floor) Moderator: Joo-Kyeong Lee (University of Seoul)			

16 November 2019

Time	Event			
9:30-16:00	Registration (H14-B101)			
10:00-11:00	Poster Presentation 2 (H14-105) Moderators: Dong-Jin Shin (Jeonju University), Jeong Sik Park (Hankuk University of Foreign Studies)			
11:00-11:10	Break			
11:10-12:00	Tutorial Lecture 1 (H14-B101) Towards Natural Speech Synthesis: Analysis of Text, Linguistics, Acoustics and Speech from Increasing Data Helen Meng and Xixin Wu (The Chinese University of Hong Kong) Moderator: Jeong Sik Park (Hankuk University of Foreign Studies)			
12:00-1:30	Lunch			
1:30-3:10	Paper Presentation 3			
	Session 9 (H14-B101)	Session 10 (H14-208)	Session 11 (H14-203)	Session 12 (H14-204)
	Phonetics & Phonology	Phonetics & Phonology	Speech Disorders	Speech Technology
3:10-3:20	Break			
3:20-4:10	Tutorial Lecture 2 (H14-B101) Virtues of (Co)variance for Perceptual Learning Keith Kluender (Purdue University) Moderator: Chul Hee Choi (Daegu Catholic University)			
4:10-4:25	Break			
4:25-5:15	Tutorial Lecture 3 (H14-B101) The Role of Training in the Formation of New Sound Categories Allard Jongman (The University of Kansas) Moderator: Taehong Cho (Hanyang University)			
5:15-5:30	Closing Ceremony (H14-B101) Moderator: Hyunsong Chung (Korea National University of Education)			

Session 1: Phonetics & Phonology (Bldg. H14, B101)

9:30-10:30, 15 November

Moderator: Jeffrey Holliday (Korea University)

Time	ID	Paper
9:30-9:50	23	An electroglottograph study of tonal contrast in Drenjongke (Bhutia) Julián Villegas and Seunghun Lee (University of Aizu, International Christian University, University of Venda)
9:50-10:10	30	The Origins of Visual Perception of Mandarin Lexical Tones: Face and Head Denis Burnham, Chris Carignan, Weicong Li, Virginie Attina and Eric Vatikiotis-Bateson (MARCS Institute for Brain Behaviour & Development, Western Sydney University; Speech Hearing & Phonetic Sciences, University College London; Communication Dynamics Lab, University of British Columbia)
10:10-10:30	71	Perception of Vowel Length Contrast in Drenjongke (Bhutia) Céleste Guillemot, Seunghun Lee, Shigeto Kawahara, Tomoko Monou and Jeremy Perkins (International Christian University, The Keio Institute of Cultural and Linguistic Studies, University of Aizu)

Session 2: Phonetics & Phonology (Bldg. H14, 202)

9:30-10:30, 15 November

Moderator: Sang-Im Lee-Kim (National Chiao Tung University)

Time	ID	Paper
9:30-9:50	8	The production of Chinese /r/ sounds by advanced L1 Japanese learners of Chinese and Japanese-Chinese simultaneous bilinguals Zhiqiang Zhu, Peggy Pik Ki Mok (The Chinese University of Hong Kong)
9:50-10:10	41	Pronunciation of the English Consonants by Hong Kong Cantonese Speakers Wai-Sum Lee (City University of Hong Kong)
10:10-10:30	75	Effects of Talker Face and Voice Familiarity on Speech Perception in Noise Jeesun Kim and Chris Davis (The MARCS Institute, Western Sydney University)

Session 3: Speech Disorders (Bldg. H04, 302)

9:30-10:30, 15 November

Moderator: Seunhee Ha (Hallym University)

Time	ID	Paper
9:30-9:50	10	A Comparison of Korean and English Speech Sound Production for Korean Children with and without Speech Sound Disorder Ji Yeong Kim and Ji Wan Ha (Daegu University)
9:50-10:10	47	Speech Range Profile and Voice Range Profile in Non-dysphonic and Dysphonic Men Jaeock Kim and Seung Jin Lee (Kangnam University, Yonsei University)
10:10-10:30	66	Dysarthria Classification Using Acoustic Properties of Fricatives Abner Hernandez and Minhwa Chung (Seoul National University)

Session 4: Speech Technology (Bldg. H03, 104)

9:30-10:30, 15 November

Moderator: Minhwa Chung (Seoul National University)

Time	ID	Paper
9:30-9:50	19	Robust Speaker Verification System in Vehicle Driving Environment Soonshin Seo, Daniel Rim, Minkyu Lim, Donghyun Lee, Hosung Park and Ji-Hwan Kim (Sogang University)
9:50-10:10	31	Short Utterance Compensation Using Bridge Learning in Text-Independent Speaker Verification Seung-Bin Kim, Jee-Weon Jung, Hee-Soo Heo, Hye-Jin Shim, Ju-Ho Kim and Ha-Jin Yu (University of Seoul)
10:10-10:30	39	Speech Emotion Recognition with Data Selection Using CNN Hong-In Yun, Hwa Min Kim, Suk Young Lim and Jeong Sik Park (Hankuk University of Foreign Studies)

Session 5: Phonetics & Phonology (Bldg. H14, B101)

1:10-2:10, 15 November

Moderator: Stefan Werner (University of Eastern Finland)

Time	ID	Paper
1:10-1:30	12	Extracting Talker Age from Sub-phonemic Details of a Single Phonetic Variable Jonny Jungyun Kim (Hanyang University, Pusan National University)
1:30-1:50	14	Sounding Polite in Korean: The role of Pitch, Gender, and Grammatical form Mihyun Jung, Jeffrey J. Holliday, Abby Walker and Esther Cho (Korea University, Virginia Polytechnic Institute and State University)
1:50-2:10	25	Peer Learner Networks Moderate the Acquisition of L2 Pronunciation: Identifying the Crucial Centrality Metrics Michał B. Paradowski, Andrzej Jarynowski, Magdalena Jelińska and Karolina Czopek (University of Warsaw, Interdisciplinary Research Institute in Wrocław)

Session 6: Phonetics & Phonology (Bldg. H14, 202)

1:10-2:10, 15 November

Moderator: Chris Davis (The MARCS Institute, Western Sydney University)

Time	ID	Paper
1:10-1:30	16	Linking Child Second Language Speech Production and Perception Abilities Margarethe McDonald, Eon-Suk Ko and Margarita Kaushanskaya (University of Wisconsin-Madison, Chosun University)
1:30-1:50	20	How the Overnight Consolidation Process Modulates the Perceptual Learning of Novel Tonal Contrasts Zhen Qin and Caicai Zhang (Hong Kong Polytechnic University)
1:50-2:10	60	Incomplete Vowel Assimilation in Tehrani Persian Siyu Liang (Georgetown University)

Session 7: Speech Disorders (Bldg. H04, 302)

1:10-2:10, 15 November

Moderator: Jaeock Kim (Kangnam University)

Time	ID	Paper
1:10-1:30	11	Japanese Listeners' Identification and Discrimination of Lengthened Short and Long Vowels and Consonants as Prolongations Minji Kang, Inkie Chung and Jin Park (Catholic Kwandong University, Sogang University)
1:30-1:50	36	A Study of the Prosodic Patterns of Autism and Normal Children in the Imitating Declarative and Interrogative Sentences Jin Hyung Lee and Cheol Jae Seong (Chungnam National University)
1:50-2:10	65	Characteristics of Vocal Loudness and Auditory Evoked Response in Patients with Parkinson's Disease Chae Rim Park, Seong Hee Choi and Chul Hee Choi (Kangbuk Samusung Hospital, Daegu Catholic University)

Session 8: Speech Technology (Bldg. H03, 104)

1:10-2:10, 15 November

Moderator: Kyong-Nim Lee (NCSOFT AI Center Speech Lab)

Time	ID	Paper
1:10-1:30	37	Automatic Discrimination of Korean and Germanic Languages Using Rhythm Metrics Feature Hwamin Kim, Hong-In Yoon, Suk-Young Lim and Jeong-Sik Park (Hankuk University of Foreign Studies)
1:30-1:50	44	A One-pass ASR Decoder with Expandable Precompiled Network for Fast LM modification Myungsoo Han, Kyong-Nim Lee and Hoonyoung Cho (NCSOFT AI Center Speech Lab)
1:50-2:10	45	A Study on Pretraining of End-to-End Speech Recognition Model Jahyun Goo, Hyeonjae Jeong, Seunghi Kim and Hoirin Kim (KAIST, ETRI)

Session 9: Phonetics & Phonology (Bldg. H14, B101)

1:30-3:10, 16 November

Moderator: Yungdo Yun (Dongguk University)

Time	ID	Paper
1:30-1:50	2	Spontaneous Speech Elicitation Methods: Comparison within a Large Corpus Ying-Ying Tan (Nanyang Technological University)
1:50-2:10	28	ABAMO: A Bayesian Model of Tone Classification within and across Languages Ronan Reilly, Denis Burnham, Benjawan Kasisopa and Xi Fan (Maynooth University, Western Sydney University)
2:10-2:30	29	The Accommodation of the Tongue Postures across Different Head Angles Chenhao Chiu, Bo-Wei Chen, Pei-Jiun Chen, Yun-Shan Hou and Yining Weng (National Taiwan University)
2:30-2:50	50	The sensitivity of English VOT production to orthographic input Cheng-Huan Lee and Yu-An Lu (National Chiao Tung University)
2:50-3:10	55	Modelling F0 Contours Using Generalized Additive Model Suyeon Im and Stephen Politzer-Ahles (The Hong Kong Polytechnic University)

Session 10: Phonetics & Phonology (Bldg. H14, 208)

1:30-2:50, 16 November

Moderator: Wai-Sum Lee (City University of Hong Kong)

Time	ID	Paper
1:30-1:50	9	Korean and English Learners' Use of Word-Level Stress in Spanish Word Recognition Maria Teresa Martinez-Garcia, Dong-Jin Shin and Goun Lee (Hankuk University of Foreign Studies, Jeonju University., Sungkyunkwan University)
1:50-2:10	17	The Effect of Linguistic Experience on the Perception of Non-native Lexical Tones Zhen Qin and Sang-Im Lee-Kim (Hong Kong Polytechnic University, National Chiao Tung University)
2:10-2:30	35	Assessing Temporal Variability in Strong versus Weak Foreign Accented Speech Chris Davis and Jeesun Kim (The MARCS Institute, Western Sydney University)
2:30-2:50	64	Cross-sectional Studies of Monosyllabic Word Perception Produced by Children Tae-Jin Yoon and Seunghee Ha (Sungshin Women's University, Hallym University)

Session 11: Speech Disorders (Bldg. H14, 203)

1:30-2:50, 16 November

Moderator: Sung-Hee Choi (Daegu Catholic University)

Time	ID	Paper
1:30-1:50	4	Sentence Comprehension and the Role of Frequency in Agrammatism Wilasinee Siriboonpipattana, Frank Burchert, Roelien Bastiaanse, Alexandre Nikolaev (Macquarie University, University of Potsdam, University of Groningen, University of Helsinki)
1:50-2:10	24	Deep Learning Classification of Pathologic Voice with Two-Dimensional MFCC Yawgeng Chau and Singh Saurav (Yuan Ze University)
2:10-2:30	40	New Data + New Methods = Improved Understanding? (Not Really) Stefan Werner (University of Eastern Finland)
2:30-2:50	74	Infants Prefer Novel to Familiar Musical Experiences Eon-Suk Ko and Margarethe McDonald (Chosun University, University of Wisconsin-Madison)

Session 12: Speech Technology (Bldg. H14, 204)

1:30-2:30, 16 November

Moderator: Ha-Jin Yu (University of Seoul)

Time	ID	Paper
1:30-1:50	15	Phonometrica: An Open Platform for the Analysis of Speech Corpora Julien Eychenne and Léa Courdès-Murphy (Hankuk University of Foreign Studies, Université de Poitiers)
1:50-2:10	42	A Study of the Intra-speaker Speech Variation across Recording Conditions Hansang Park, Hyosung Hwang, Eun-hye Jung, Seoyeon Jung (Hongik University, Seoul National University, Supreme Prosecutors' Office)
2:10-2:30	57	Older People's Korean Speech Data Processing with Voice Conversion Eun Ju Woo and Byeong Rae Lee (Korea National Open University)

Poster Presentation 1 (Bldg. H14-105)

3:20-4:20, 15 November

Moderators: Tae-Jin Yoon (Sungshin University), Sang-Hee Park (Daegu Cyber University), Jeong Sik Park (Hankuk University of Foreign Studies)

No.	ID	Paper
1	1	The Order of Vowel Acquisition in Greek: Production Data from Native and Second Language Learners Marina Tzakosta, Konstantina-Irini Koufou (University of Crete)
2	6	Teaching Vietnamese Pronunciation to Speakers of Other Languages: A Reference for Teachers Tăng Thị Tuyết Mai (Ho Chi Minh City University of Education)
3	7	Production and Perception of English Vowel Length Depending on the Following Consonant Voicing by Korean Learners of English Juyeon Chung (Indiana University)
4	26	A preliminary ultrasound study of the retroflex contrast in Drenjongke Seunghun Lee, Jeremy Perkins and Céleste Guillemot (International Christian University, University of Venda, University of Aizu.)
5	32	Effects of Corrective Feedback on Receptive Skills in Non-native Contrasts: A Training Study in Taiwan Southern Min Yinching Chang and Chenhao Chiu (National Taiwan University)
6	34	Towards Fitness Variants of Phonemic Contrasts: Salience Filtering Mechanism Taeun Kim (Pukyong National University)
7	38	The Acquisition of Mandarin Chinese Tones by English Native Speakers Ruba Almelaifi (Kuwait University)
8	43	Gradient Perception in English-speaking Children: A Link to Cue-weighting and Executive Functions Eun Jong Kong (Korea Aerospace University)
9	48	The Effect of L1 Korean Dialect on the L2 Perception of English Lexical Stress Hyunjung Lee, Eun Jong Kong and Jeffrey Holliday (Incheon National University, Korea Aerospace University, Korea University)
10	33	Voicing Contrast Training Using EGG as Visual Biofeedback Yinching Chang and Chenhao Chiu (National Taiwan University)
11	51	Self-supervised Learning for Replay Spoofing Detection with Prediction of Acoustic Information Hyejin Shim, Heesoo Heo, Jeewon Jung and Ha-Jin Yu (University of Seoul)
12	21	Performance Comparison of Reverberant Speech Recognition According to Input Features Minsik Kim, Sunchan Park, Jaemin Han and Hyung Soon Kim (Pusan National University)
13	22	Data Augmentation for Joint Intent Determination and Slot-filling for In-game Voice Command Chisung Song, Kyong-Nim Lee and Hoonyoung Cho (NCSOFT AI Center Speech Lab)
14	27	Improvement of Speaker Verification Based on Deep Speaker Embeddings Jaemin Han, Yongwon Jeong, Kyung Wha Kim and Hyung Soon Kim (Pusan National University, Forensic Science Division, Supreme Prosecutors' Office)
15	46	Semi-Supervised Domain Adaptation for End-to-End Automatic Speech Recognition Hyeonjae Jeong, Jahyun Goo, Seunghi Kim and Hoirin Kim (Korea Advanced Institute of Science and Technology, ETRI)

Poster Presentation 2 (Bldg. H14-105)

10:00-11:00, 16 November

Moderators: Dong-Jin Shin (Jeonju University), Jeong Sik Park (Hankuk University of Foreign Studies)

No.	ID	Paper
1	52	L2-influenced Phonetic Change in the L1 System Mi-Ryoung Kim (Korea Soongsil Cyber University)
2	53	Prosodic Realization of Korean Polysemic Final Endings Produced by L2 speakers Youngsook Yune (Kyungnam University)
3	56	Acquisition of English Speech Rhythm by Chinese EFL Learners with Different English Proficiencies Jiaqi Zhang and Sook-Hyang Lee (Wonkwang University)
4	58	Acoustic Features of English Fricatives Produced by Chinese EFL Learners with Different English Proficiencies Buyi Zhang and Sook-Hyang Lee (Wonkwang University)
5	59	Koreans' Production of the English Voiced Alveopalatal Fricative: With Focus on Gender and Correction Effects Yungdo Yun (Dongguk University)
6	62	Variation of Noun Stem-final Consonants in Korean Mothers' Speech Hyunji Kim and Eon-Suk Ko (Chosun University)
7	69	Perceptual Salience of Mandarin Syllables Chi Yuan Wang (National Chiao Tung University)
8	76	Speech Perception as a Means of Speech Production: A Case Study of Echoic Memory Kokitboon Fukham (Mahasarakham University)
9	77	A Corpus-based Preliminary Study of Prosodic Turn-yielding Cues by Chinese Learners Wei Zhang (Wonkwang University)
10	13	An Emotional Character Based on Emotional Recognition Techniques Donghyun Shin and Younghun Kwon (Hanyang University)
11	67	A Unified On-Line Framework on Blind Source Separation Uihyeop Shin, Seung-Yun Kim, Jun-Hyung Kim, Jung-Min Kim and Hyung-Min Park (Sogang University)
12	68	Audio Event Detection Using CNN for Road Surveillance Saet-Byeol Sim and Hyung-Min Park (Sogang University)
13	73	Rapid Speech Emotion Recognition Based on Data Compression Suk Young Lim, Hong In Yun, Hwa Min Kim and Jeong Sik Park (Hankuk University of Foreign Studies)
14	78	A Korean Automatic Speech Recognition for Non-native Speakers by Using Bidirectional LSTM-based Acoustic Model with the Augmented Speech Data Yoo Rhee Oh, Kiyoung Park and Jeon Gue Park (ETRI)
15	79	A Post-processing Method to Increase ASR System Accuracy using Phrases Provided by Users Kiyoung Park, Hyung-Bae Jeon and Jeon Gue Park (ETRI)
16	80	Fast Voice Conversion on Non-parallel Corpus Sunghee Jung, Youngjoo Suh and Hoirin Kim (KAIST)