

Distinguished lectures		
1	001	DESIGN OF THE RADIATION BEAM PATTERN OF AN ULTRASONIC TRANSDUCER BY ELECTRODE SHADING TECHNIQUE Yongrae ROH and Yeonsue PARK
2	002	Recent Developments of Computer Simulations on Room Acoustics and Sound Absorption Measurement Methods to Provide the Boundary Conditions Toru Otsuru
Oral session 1A		
1	109	DOPPLER EFFECT MITIGATION OF MULTI-BEAM ECHO SOUNDER USING NONLINEAR CHIRP SIGNAL Xiaoran GENG, Jeasoo KIM, Jisung PARK, Gihoon BYUN
2	217	Study of improvement of intelligibility based on formant frequency shift for vowels of elderly speech Yuto TANAKA, Hiroaki IGAUE, Mitsunori MIZUMACHI and Yoshihisa NAKATOH
3	204	Membrane vibration analysis of a membranophon with nonuniform density and tension by a spectral method Toshiya SAMEJIMA and Risa FUKUDA
Oral session 1B		
1	210	The difference of the optimum listening level and perceived loudness of sounds between men and women Mariko HAMAMURA, Shin-ichiro IWAMIYA
2	102	Intruder Detection Based on Coherence Bandwidth of Room Acoustic Channel Chang-Eun LEE, Eun-Hye JEON and Ki-Man KIM
3	216	Snore activity detection using smartphone in ambient noise environment Keisuke NISHIJIMA, Shingo UENOHARA and Ken'ichi FURUYA
Oral session 2A		
1	115	Study on Ultrasound Transducers for Photoacoustic Imaging Yonggang CAO, Jung-Soon KIM, Moo-Joon KIM, Junghwan OH and Kang-Lyeol HA
2	227	Image processing technique for sound field analysis in rooms Takashi TAKIKAWA, Toru OTSURU and Reiji TOMIKU
3	113	Distribution of temperature elevation caused by moving HIFU transducer Mojoon KIM, Jihee JUNG, Jungsoon KIM, Kanglyeol HA, and Chaebong LEE
4	214	The effectiveness of manipulation training of a data-glove-driven vocal-tract setting tool Kohichi OGATA and Yusuke MATSUDA
Oral session 2B		
1	202	Effect of technique of conflict between music and moving picture employed in a movie directed by Akira Kurosawa Saki FUJIYAMA, Kotone EMA and Shin-ichiro IWAMIYA
2	101	Performance Enhancement of the Equalizer in Underwater Acoustic Communication Ji-Hong SON, Chan-Ho HWANG, Hyeong-Woo LEE and Ki-Man KIM
3	213	Comparison howling margin of Variable Reflection Acoustic Wall System with several adaptive filters Michiaki TAKAHASHI, Kazuhiko KAWAHARA and Akira OMOTO
4	105	Combinations of carpet and row spacing for adjusting the acoustical conditions in a lecture room Young-Ji CHOI
Oral session 3A		
1	114	SMART HEARING AID Soon JARNG
2	219	The effect of additional transmission channels in three-dimensional electromagnetic articurography Kohei WAKAMIYA, Hidetsugu UCHIDA and Tokihiko KABURAGI
3	116	Establishment of the Acoustical Performance Criteria For the Classrooms in Korea Using the Speech Intelligibility Test Chan-Jae PARK and Chan-Hoon HAAN
4	209	Spectral method for vibration analysis of axisymmetric membranes and plates Yozo ARAKI and Toshiya SAMEJIMA
Oral session 3B		
1	206	The trial manufacture of the microphone for measuring the sound inside of the body for detecting the sleepiness state Masanori AKITA, Teppei HAYAKAWA, Hiroyuki KAMITABIRA and Yoichi MIDORIKAWA
2	118	Collision duration time measurement using by fiber optic interferometric sensor Jongkil Lee
3	221	A field study on acoustic environment in nursery classroom – Hearing test and interview to teachers Saori FUJIHARA, Keiji KAWAI and Taichi OGATA
4	211	Objective and subjective evaluation of the multi-channel 3D sound field reproduction system Mariko HAMAMURA, Hikari TAKAIRA, Takurô ASAI, Takeru SAKURAI, Madoka ICHIHARA and Akira OMOTO