

★応用音響研究会 (EA)

専門委員長 島内末廣 副委員長 水町光徳

幹事 渡邊貫治・武岡成人 幹事補佐 TREVINO Jorge・伊藤信貴

日時 11月30日(木) 10:00~17:35

12月1日(金) 10:00~17:00

会場 オークランド大学 City Campus (Building 423 22 Symonds Street, Auckland, New Zealand 日岡裕輔)

議題 応用/電気音響, 聴覚, 一般

30日午前 Session 1

1. Noise cancellation method for speech signal by using an extension type UKF
○Hisako Orimoto・Akira Ikuta (Pref. Univ. of Hiroshima)
2. Modelling the acoustics of a vocal tract
○Timothy Wang・Catherine Watson・Richard Clarke・John Cater (UOA)
3. A Comparative Study on Acoustic Characteristics of Orchestral Instruments Using 768 kHz/32 bit Super High Resolution Measurement System
○Yuka Manabe・Tomoaki Magome・Kan Okubo (Tokyo Metropolitan Univ.)
4. Fuzzy Bayesian Filter for Sound Environment by Considering Additive Property of Energy Variable and Fuzzy Observation in Decibel Scale
○Akira Ikuta・Hisako Orimoto (Pref. Univ. of Hiroshima)
5. Non-Diagonal Regularization Matrix for Affine Projection Algorithm
○Suehiro Shimauchi・Sachiko Kurihara・Noboru Harada (NTT)

Invited Talk 1

6. [招待講演] Sound field control for the creation of multizone and focused sound fields—Approaches based on spatial mode control—
Mark Poletti (Callaghan Innovation)

30日午後 Session 2 (13:55~)

7. Localisation of bird calls in native NZ bush using MUSIC and/or GCC method
○Alex Pepperell・Zachary Halstead・Benjamin Ollivier・Yusuke Hioka (UOA)
8. Bird localization using the GCC in the wavelet domain
○Benjamin Ollivier・Alex Pepperell・Zachary Halstead・Yusuke Hioka (UOA)
9. Monaural sound localization under conditions of active head rotation
○Tatsuya Hirahara・Daiki Kojima・Daisuke Morikawa (Toyama Pref. Univ.)
10. Direction of arrival estimation using a microphone on a rotating disk
○Robert Drage・Timothy Boag・Yusuke Hioka (UOA)
11. Spatial sound morphing by using a miniature head simulator array
○Takashi Miyaura・Reika Uchimi (Tokyo City Univ.)・Kaoru Ashihara (AIST)・Shogo Kiryu (Tokyo City Univ.)
12. Enhancing the binaural synthesis from spherical microphone array recordings by using virtual microphones
○Cesar Salvador・Shuichi Sakamoto・Jorge Trevino・Yoiti Suzuki (Tohoku Univ.)

Invited Talk 2

13. [招待講演] Subjective impression of virtual sound space
Yukio Iwaya (Tohoku Gakuin Univ.)

Invited Talk 3

14. [招待講演] Factors affecting medial olivocochlear reflex and their implications for its role as a protection mechanism from noise-induced hearing loss
Sho Otsuka (NTT)

12月1日午前 Invited Talk 4

1. [招待講演] The fight against noise —A personal view—
David Welch (UOA)

Session 3

2. An assessment of basic properties of distant-presented bone-conducted ultrasonic hearing
○Seiji Nakagawa・Riki Ogino・Gaik-Sean Yap・Sho Otsuka (Chiba Univ.)
3. Word identification in adverse listening conditions by Japanese learners of English—Role of predictability—
Hinako Masuda (Seikei Univ.)
4. Study on the relationship between modulation spectral features and the perception of nonlinguistic information with noise-vocoded speech
○Zhi Zhu・Ryota Miyauchi・Yukiko Araki・Masashi Unoki (JAIST)
5. Study on speech privacy protection by controlling speech transmission index in simulated room
○Masashi Unoki・Yuta Kashihara・Maori Kobayashi・Masato Akagi (JAIST)

12月1日午後 Invited Talk 5 (13:40~)

6. [招待講演] Toward Affective Speech-to-Speech Translation
Masato Akagi (JAIST)

Invited Talk 6

7. [招待講演] Blind Audio Source Separation based on Independent Component Analysis
Shoji Makino (Univ. of Tsukuba)

Session 4

8. Range Control of Maximum Demodulation Distance in Parametric Loudspeaker Using Flexible Acoustic-lens
○Kirara Ariyoshi・Takahiro Fukumori・Masato Nakayama・Takanobu Nishiura (Ritsumeikan Univ.)
9. Generating method of binaural signals at semi-arbitrary listening positions from a linear microphone array
○Asuka Yamazato・Yoichi Haneda (UEC)
10. HRTF Personalization Based on Pinna Shape Estimation with Handy Three-dimensional Scanner
○Zhuan Zuo・Takahiro Fukumori・Masato Nakayama・Takanobu Nishiura (Ritsumeikan Univ.)
11. An efficient spatial sound rendering method for extended reality applications
○Trevino Jorge・Shuichi Sakamoto・Yoiti Suzuki (Tohoku Univ.)
12. Matrix Driving Method for Multi-channel Loud Speaker using Multiplication-output and Delta-sigma Modulator with Multiple-input Shigeto Takeoka (Shizuoka Inst. of Science and Tech.)

◆日本音響学会；電気音響研究会／聴覚研究会共催

☆EA 研究会今後の予定 [] 内発表申込締切日

2018年1月23日(火), 24日(水) 関西大〔未定〕テーマ：応用／電気音響, 超音波, 一般

2月15日(木), 16日(金) 県立広島大〔12月11日(月)〕テーマ：一般

【発表申込先】 下記研究会発表申込システムからお申込み下さい.

<http://www.ieice.org/jpn/ken/kenmoushikomi.html>

【問合先】

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◎最新の情報は研究会ウェブページで御確認下さい.

<http://asj-eacom.acoustics.jp/>