



**CERIES**

Tohoku University Electro-Related Departments  
Global COE Program

*Center of Education and Research for Information Electronics Systems*

## **Workshop on Sound Field Control and Sound Field Perception**

**9<sup>th</sup>, September 2011**

**Main conference room, 4F, 2nd building,**

**Research Institute of Electrical Communication, Tohoku University**

**Group C seminar, Tohoku University Electrical-Related Departments Global COE program**

### **Program**

**13:30-13:35 Opening Remarks**

**13:35-14:20 (Keynote lecture 1)**

**Spatial Equalizer; its Motivation and Applications**

Yang-Hann Kim, Professor, Korea Advanced Institute of Science and Technology, Korea

**14:20-14:50**

**Comparisons of WFS, Ambisonics, and Brightness Control for Sound Manipulation within an Enclosed Space**

Jung-Woo Choi, Research Associate Professor,  
Korea Advanced Institute of Science and Technology, Korea

**14:50- 15:20**

**Calibration and New Feature of KAIST 3D Sound Manipulation System**

Jung-Min Lee, Ph.D. Student, Korea Advanced Institute of Science and Technology, Korea

**15:20-15:40 Coffee Break**

**15:40-16:25 (Keynote lecture 2)**

**When we can expect superior directional control over virtual sound sources from generic rather than individualized head-related transfer functions**

William L. Martens Associate Professor, University of Sydney, Australia

**16:25-16:55**

**Binaural Loudness Measurements and the Underlying Summation Process**

Luis Alejandro Miranda Jofre, Ph.D. Student, University of Sydney, Australia

**16:55-17:25**

**Investigating Listener's Preference and Brain Response of Multichannel-reproduced Piano Music**

Sungyoung Kim, Research Fellow, Yamaha Corporation

**17:25-17:30 Concluding Remarks**

**18:30-21:00 Dinner Party**