

## INVITED SESSION PROPOSAL FOR IIH-MSP 2014

### **Invited Session Title:**

**“3D Spatial Audio Technologies in the Future Internet”**

### **Scope of the Invited Session:**

This invited session will discuss recent advances in the emerging field of 3D audio technologies that will be usefully applied to various multimedia services in future internet. Possible topics include, for example, 3D sound signal acquisition, 3D sound field reproduction, 3D sound field rendering, and their coding, transmitting and decoding technologies. The invited session will provide an international forum for researchers and specialists in the fields of multimedia information processing, network technologies and, audio technologies, as well as other related fields.

### **Invited Session Organizers:**

Prof. Yoiti Suzuki (yoh@ais.riec.tohoku.ac.jp)

Research Institute of Electrical Communications, Tohoku University, Japan.

Prof. Li Junfeng (lijunfeng@hccl.ioa.ac.cn)

Institute of Acoustics, Chinese Academy of Science, China

Prof. Seong-Cheol Kim (sckim@maxwell.snu.ac.kr)

Seoul National University, Korea

### **Organization of this invited session (tentative):**

1. On the Robustness of Crosstalk Cancellation with Multiple Loudspeakers,  
Xing Yang(Northwestern Polytechnical University) and Junfeng Li (IOA CAS)  
yang08201119@163.com
2. Upmixing Two-channel Stereo Audio for Binaural Reproduction,  
Rui Jing(Xidian University) and Junfeng Li (IOA CAS)  
batjing\_fuzhou@163.com
3. Virtual Auditory Display by remote rendering via computer network  
Yukio Iwaya (Tohoku Gakuin University), Makoto Otani (ShinshuUniversity),  
Takao Tsuchiya (Doshisha University) and Junfeng Li (IOA CAS)  
yukio@iwaya-lab.org
4. Effect of Interaural difference for localization of spatially segregated sound  
Daisuke Morikawa (JAIST) morikawa@jaist.ac.jp
5. Representation of individual HRTFs using weighting coefficients of SENZI  
Shuichi Sakamoto (Tohoku University) and his colleagues  
saka@ais.riec.tohoku.ac.jp
6. Feasibility Study for Objective Measurement on Sound Localization Using Auditory Evoked Potential  
Hong Kook Kim and coworkers (Gwangju Institute of Science and Technology, Korea).
7. Auralization of musical instruments in virtual halls considering source directivity  
Kyoungsoo Park and coworkers (Seoul National University, Korea).