

The 2nd 3D Virtual Sound Workshop Invitation letter

We kindly invite you to attend the 2nd 3D Virtual Sound Workshop to be held at KAIST. This workshop aims to promote research about 3D sound technology through invited lectures and oral presentations, and interactions of scientists working on 3D sound technology. In this workshop, 10 speakers will give presentations on research in the field of 3D sound technology. We hope that you will be able to join us in this opportunity and share your experiences and insights about 3D sound technology. We look forward to seeing you at KAIST.

- ◆ **Date:** Feb. 4-6, 2007
- ◆ **Place:** E1 seminar room, ME build., KAIST, Daejeon, South Korea
- ◆ **Registration Fee (Including lunch and banquet)**
Student: 40,000 KRW, Others: 60,000 KRW
- ◆ **All Participants can register on the day of the workshop at the registration desk. A registrant can pay for registration using cash or credit card.**
- ◆ **All inquires should be addressed to:**
Prof. Youngjin Park (+82-42-869-3036, yjpark@kaist.ac.kr)
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Organized by

- Virtual Audio Systems Laboratory (<http://vasl.kaist.ac.kr>)
- BK 21 - KAIST Valufacture Institute of ME
- 소음/진동분야 NRL 기술교류회

Supported by

- National Research Lab. Program funded by the Korea Science and Engineering Foundation (KOSEF)
- BK 21 program funded by the Korea Ministry of Education and Human Resources Development
- Center for Noise and Vibration Control (NOVIC)

Program

Date	Time	
2/4 (Sun)	18:00 ~	Optional Welcome Reception
2/5 (Mon)	10:00 ~ 10:30	Registration
	10:30 ~ 11:30	Virtual Audio Systems Lab. Tour
	11:30 ~ 13:00	Lunch
	13:00 ~ 13:10	Opening Ceremony
	13:10 ~ 13:40	Prof. Youngjin Park (KAIST) Title: Sound source localization sensor using multi-cantilever
	13:40 ~ 14:40	Dr. Kazuhiro IIDA (Panasonic) Title: A model of the head-related transfer function based on spectral cues
	14:40 ~ 15:40	Prof. Tsuyoshi Usagawa (Kumamoto Univ.) Title: Frequency domain binaural model and its application
	15:40 ~ 16:00	Coffee Break
	16:00 ~ 16:30	Mr. Sungmok Hwang (KAIST) Title: Principal components analysis of median HRIRs
	16:30 ~ 17:00	Prof. Yôiti Suzuki (Tohoku Univ.) Title: Effect of adjusting interaural time difference in head related transfer functions based on listener's anthropometry
	17:00 ~ 17:30	Prof. Yukio Iwaya (Tohoku Univ.) Title: Performance of the individualization of head-related transfer functions with tournament-style listening test
	17:30 ~ 18:00	Prof. Y. H. Kim (KAIST) Title: Wave front design by acoustic contrast control
	18:00 ~	Banquet
2/6 (Tue)	09:30 ~ 10:00	Mr. Byoung-Ho Kwon (KAIST) Title: Implement of the auditory sense for the smart robot
	10:00 ~ 11:00	Prof. Mingsian R. Bai (Chiao-Tung Univ.) Title: Implementation of a 3D audio module with up/downmixing and cross-talk cancellation for two-channel consumer electronics
	11:00 ~ 11:30	Prof. Jeong-Guon Ih (KAIST) Title: Auralization using the phased beam tracing method
	11:30 ~ 12:00	Discussion
	12:00 ~	Optional Short Excursion (Royal Tomb of King Muryung in Paekche)