

# SAKAMOTO LAB.

Welcome to aural  
demonstration using  
sound field simulator!

## [Prediction and evaluation of sound insulation performance of urban area/buildings]

Advanced Mobility Research Center

<http://www.acoust.iis.u-tokyo.ac.jp>

Applied Acoustic Engineering

Department of Architecture,  
Graduate school of Engineering

## Prediction and evaluation of sound insulation performance of urban area/buildings

“Sound” is important for *our quality of life*. Our laboratory is making acoustic researches through prediction/measurement of physical aspects of sound and evaluation of psychological/physiological effects of sound on man, in order to contribute to creation of safe and comfortable acoustic environment.

**Development of prediction methods** : Numerical analysis

**Room acoustic design** : Auditoria, Musical practice room

**Acoustic measurement** : Sound propagation, Sound insulation and absorption

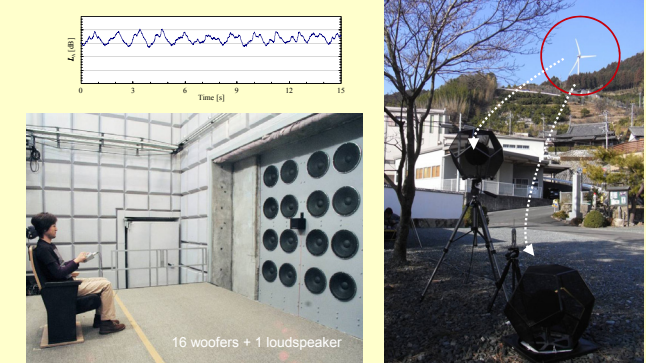
**Development of sound field simulation** : 6 channel recording-reproduction system

**Subjective evaluation** : Concert halls, Living environments, Public spaces

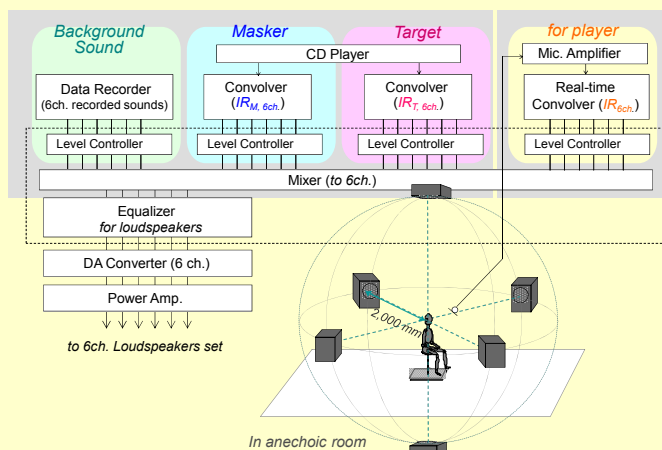
### Sound masking system for speech privacy



### Audibility of low frequency noises



### Development of sound field simulation technique



### Acoustical performance of musical practice room

