SAKAMOTO LAB.

[Sound Environment in Architecture and City Prediction / Measurement / Assessment- 1

Department of Human and Social Systems

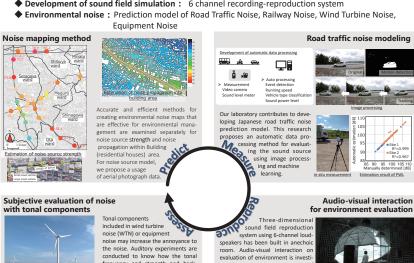
Environmental Acoustic Engineering

Department of Architecture, Graduate school of Engineering

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

Sounds surround our lives. Sakamoto laboratory treats various issues on acoustic control, measurement, prediction and assessment, in order to realize better sound environment. Evaluation and measurement of acoustical environment will be introduced.

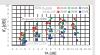
- Room acoustic design: Acoustical design of auditoria, Speech privacy, Classroom acoustics
- ◆ Building acoustics : Sound insulation of building facade
- ◆ Acoustic measurement: Impulse responses, Sound insulation, Sound reflection and absorption
- ◆ Development of prediction methods: Wave-based numerical analysis
- ◆ Development of sound field simulation: 6 channel recording-reproduction system





Low-frequency reproduction system

frequency and strength and background noise characteristics affect the subjective perception such as loudness and noisiness.



for environment evaluation

gated using combination system of 6-ch. loudspeakers and dome projector.

The effect of visual stimuli on the subjective evaluation were studied under various sound sources and listening situations.



