Environment Simulation and Wind Tunnel Test

- Floor oscillation analysis
  Analysis of environmental oscillation due to walking.

- Sound environment analysis
  Prediction of noise influence from buildings

- Aerodynamic analysis
  Create better wind environment by predicting wind flow

- Light environment analysis
  Proposition of energy saving by using natural light

- Thermal environment analysis
  Create delightful space by predicting thermal environment

Sound and vibration environment analysis

Outdoor environment

Indoor sound environment

- Visualization simulation-

Floor oscillation analysis Yureizer- version3

Figure of waveform
Evaluation of habitability
Vibration modal shape (2D)
Vibration modal shape (animation)

Aerodynamic analysis

Simulation
Wind tunnel test

Light environment

Actual state
Simulation

Thermal environment

Thermal aerodynamic distribution
Surface temperature