One of the concert hall’s main purposes is to allow for perfect sound perception, for both the performers and the audience. Since different types of performance require different reverberation times (from 0 seconds for a lecture to 9.5 seconds for contemporary music), and the reverberation time depends on the volume of the acoustic chamber, a hall was designed that could flexibly “adapt” its acoustic behavior according to the performance. This design explores a “movable” structure that could be “tuned” similar to tuning an instrument. The kinetic roof and ceiling move in order to adapt the volume to the required acoustic.

Also included in this project are ideas of sustainable building, including passive solar walls, etc.

**Web Link:** [http://kdg.mit.edu/](http://kdg.mit.edu/)