

## Development of Standard Evaluation Technique for Car Carpet Floor

**Authors :** In-Sung Lee, Un-Hwan Park, Jun-Hyeok Heo, Tae-Hyeon Oh, Dae-Gyu Park

**Abstract :** Statistical Energy Analysis is to be the most effective CAE Method for air-born noise analysis in the Automotive area. This study deals with a method to predict the noise level inside of the car under the steady-state condition using the SEA model of car for air-born noise analysis. We can identify weakened part due to the acoustic material properties using it. Therefore, it is useful for the material structural design.

**Keywords :** air-born noise, material structural design, acoustic material properties, absorbing

**Conference Title :** ICAMAME 2016 : International Conference on Aerospace, Mechanical, Automotive and Materials Engineering

**Conference Location :** Venice, Italy

**Conference Dates :** August 08-09, 2016