



Practicalities and uncertainties in the measurement of sound insulation

Dr John Davy
RMIT University

This talk will present a number of cases where the same or nominally the same sound insulation specimen has produced significantly different values when measured in different laboratories or in the same laboratory with a different mounting condition. The first case shows large differences below 125 Hz. In another case, the differences have different signs above and below the critical frequency of one of the leaves of the specimen. Further cases show the differences when the angle of incidence varies. These results will be explained where possible.

Dr John Davy is an Associate Professor of Acoustics at RMIT University and a Principal Research Scientist at CSIRO. John has a particular interest in the sound insulation performance of building partitions and has published widely in relation to the prediction of sound transmission loss and other aspects of theoretical and experimental acoustics.

Date & Time: 6:30pm, Wednesday, 19 July, 2006

Venue: QRI Conference Room

Queensland Railways Institute
Central Railway Plaza - next to QRI Cafe
Shop 1, 309 Edward St, Brisbane
(Above Central Railway Station)

Refreshments will be provided

COST: Free For Members

\$10.00 Guests

RSVP: Richard Devereaux: AAS QLD Secretary

rdevereux@acran.com.au

