

2010 Departmental Seminar

Thursday, 18 March 2010

3.00 pm

Mechanical Engineering Seminar Room – E547

Comparison of theoretical and experimental results for the directivity of panels and openings

Dr John Davy

This seminar will describe some of the principles of theoretical models developed by the presenter concerning the directivity of sound radiation from panels and openings (including the ends of ducts). Comparison between the results of the theoretical models and experiments will be presented.

Dr John Davy is a Principal Research Scientist at CSIRO where he lead CSIRO's Building Acoustics Team for a number of years. Until recently he was Associate Professor of Acoustics in the School of Applied Sciences at RMIT University in Melbourne. His current research interests include the directivity of sound insulation, the directivity of the radiation of sound from openings, the prediction of diffuse field sound insulation and the variability of reverberant sound fields.