

Organised by the Building Acoustics Group

# VIBRATION & RE-RADIATED NOISE FROM TRAINS

Wednesday 24<sup>th</sup> January 2007

The Royal Society, London

Many domestic and commercial buildings are built near to or above railways. There are many ways of predicting the vibration and re-radiated noise in buildings but with a lot of confusion over the accuracy of predictions.

This 1 day meeting will assemble many of the world's experts in this field, where they will be offering their experience in the effectiveness of the different methods currently used. It will also look at current Local Authority standards and discuss whether these adequately address occupier comfort.

With the increasing demand for using brown field sites near to railways this is surely a meeting that cannot be missed.

Programme:

- 9.45            *Registration and refreshments*
- 10.15          Prediction and Assessment of vibration and re-radiated noise from trains  
*Rupert Thornley-Taylor, Railway Noise & Vibration Consultants*
- 10.45          Striking a cost-effective balance between vibration control and the need for safe railway operation  
*Dr Rick Jones, Head of Acoustics, Delta Rail*
- 11.15          *Tea & Coffee break*
- 11.30          Vibration from underground trains – Pipe-in-Pipe software  
*Dr Hugh Hunt, Cambridge University*
- 12.00          Re-radiated noise from trains – research carried out for CONVURT (Control Of Noise and Vibration from Underground Trains)  
*Professor Geert Degrande, Leuven University, Belgium*
- 12.30          *Lunch*
- 13.30          Vibration & Re-radiated noise – over 20 years of research  
*Michel Villot, CSTB, France*
- 14.00          BBC Broadcasting House – case study of vibration & re-radiated noise from trains in the new radio studios  
*John Miller, Bickerdike Allen Partnership*
- 14.30          *Tea & Coffee break*
- 14:45          Local Authority Paper  
*Author to be confirmed*
- 15:15          A critical review of the methodology used to assess ground-borne railway noise complaints  
*Paul Shields, Scott Wilson*
- 15:45          Discussion
- 16:30          *End*

**I wish to attend the Vibration & Re-radiated Noise from Trains Meeting  
Wednesday 24<sup>th</sup> January 2007, The Royal Society, London**

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	Rates include VAT
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