

Institute of Acoustics

Autumn Conference of the Institute of Acoustics 2005

“What Noise Annoys?”

Proceedings of the Institute of Acoustics
Volume 27, Part 4

October 18 - 19, 2005
Oxford, UK

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571
www.proceedings.com

ISBN: 978-1-60423-994-2

Some format issues inherent in the e-media version may also appear in this print version.

Institute of Acoustics
Autumn Conference of the Institute of Acoustics
2005

TABLE OF CONTENTS

Environmental Noise - Current Policy Issues	1
<i>W. Hartnell</i>	
A Review of Methods for Quantifying Acoustic Features in Environmental Noise	8
<i>B. Berry, N. Porter</i>	
Is the Noise Act 1996 An Effective Means of Limiting Disturbance Due to Noise in Dwellings at Night?	17
<i>H. Morrissey</i>	
The CRASBO - A New Tool for Environmental Noise Control.....	25
<i>D. Stevens</i>	
Virtual Sound Artifact Simulation is Now Reality	33
<i>J. Perisse, P. Chevret, C. Thirard, R. Maier, J. Nogues</i>	
Test Signals for Validating Sound Quality Measurement Instrumentation.....	41
<i>D. Simmons</i>	
Subjective Evaluation of Urban Noise in Athens; Multi-Dimensional Description of Evaluations	48
<i>A. Sotiropoulou, F. Karalekas, C. Charemis</i>	
Variability in Environmental Sound Fields	55
<i>J. Alberola, I. Flindell, A. Bullmore, J. Adcock</i>	
Uncertainties in the Prediction of Environmental Noise and In Noise Mapping	62
<i>W. Probst</i>	
A Wide Area Noise Monitoring System for the Validation and Optimisation of Noise Maps	70
<i>J. Shelton</i>	
BUMP - The Birmingham Updated Noise Mapping Project	79
<i>J. Hinton, A. Jellyman, K. Howell</i>	
Error Propagation Analysis of XPS 31-133 and CRTN to Help Develop a Noise Mapping Data Standard	85
<i>S. Shilton, J. Leeuwen, R. Nota</i>	
Considering Uncertainty When Performning Environmental Noise Measurements	93
<i>G. Kerry, D. Waddington</i>	
Validation and Calibration in Noise Mapping the Madrid Study	103
<i>H. Stapelfeldt, R. Pozo</i>	
Environmental Noise Management - Combining Measurements and Calculations to your Advantage.....	111
<i>D. Manvell</i>	
Environmental Influences on Microphones and Sound Calibrators	119
<i>J. Avison</i>	

An Integrated Approach to the Assessment of Noise and Weather Data in Environmental Noise Monitoring Systems..... 125
S. Nordby, O. Bjor

Environmental Noise Modelling Using Stochastic Techniques N/A
Z. Haron, D. Oldham

A Balanced Approach to Managing Uncertainty in Environmental Sound Measurements 128
J. Adcock, A. Bullmore, C. English, I. Flindell

Author Index