



For Further Information

Lisa Mansfield, Engineering Integrity Society, 44 Reynolds Close, Flanderwell, Rotherham, South Yorks, S66 2XL.
Tel: +44 (0)1709 702558 Fax: +44 (0)1709 702558 E-mail: lmansfield@e-i-s.org.uk

The Engineering Integrity Society

The Engineering Integrity Society is a professional body formed in 1985. The objectives are to stimulate the exchange of ideas and information between engineers and technologists whose interest lie in designing, developing or manufacturing products which must achieve high standards of integrity.

The society comprises three groups: Durability & Fatigue, Simulation Test & Measurement and Noise Vibration & Harshness. The society groups have made a recognisable and significant contribution to advancing Engineering Science. Over the last twenty-one years the EIS has established itself as a professional body dedicated to the engineering integrity of manufactured products.

The **ENGINEERING INTEGRITY SOCIETY** is pleased to acknowledge the support and sponsorship of the following organisations:

AcSoft	Instron	Rutherford Appleton Laboratory
Arup	Kemo	Serco Assurance - Rail Test
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Tel: +44 (0)1709 702558 Fax: +44 (0)1709 702558
E-mail: lmansfield@e-i-s.org.uk Web: www.e-i-s.org.uk
Business Reg No. 1959979 VAT No. 443769618 Charity No. 327121

The Engineering Integrity Society

NVH and the Green Vehicle

to be held at

BAWA, Filton, Bristol

Tuesday 16 October 2007

Which is the greener?



What are the NVH implications?

NVH and the Green Vehicle

Tuesday 16 October 2007

This meeting seeks to identify what is most likely to change in a green vehicle and how these changes will affect the vehicle noise signature. With this knowledge we, as NVH engineers, will continue to provide an optimum environment both inside and outside the vehicle. The event is to be held at BAWA centre near Airbus UK, Filton Bristol with easy access by car (M4 and M5) and by train (Parkway station is 10 minutes by taxi).

Programme

The Green Vehicle and the noise it makes.

08:30 Coffee and Registration

09:05 Welcome and Introduction

09:15 **Maria Franco-Jorge** – MIRA
Hybrids – Where's the Noise? "An up-to-date review of the current electric hybrid vehicle noise signature".

09:50 **Roger J Chuter** – EMCON Technologies
"Cylinder de-activation – how does it sound to the customer?" "The new drive for fuel economy in the USA has led to a novel solution for the ubiquitous V8 engine. Switch off one bank when cruising, and use the engine as an in-line 4-cylinder. This paper describes a solution to the problem of the undesirable engine note change when switching from V8 to I4 running."

10:25 Coffee/Tea

Weight reduction is a guaranteed path to fuel economy, particularly in urban driving where stop start motoring is the norm.

10:50 **Paul Burling**- TWI
Composite to metal compatibility - "New technologies for improved Composites functionality through joining it to metals".

11:25 **Rod Morris-Kirby** - Pelzer
IP's with IQ! - "Dual impedance materials in the instrument Panel can reduce the noise and reduce the weight of the vehicle"

12:00 **Tim Cocker** - Green Energy Technologies Ltd
Engine in the garage ? - "Taking half the engine out of the car and putting it to work in the garage! A fresh approach to combined heat and power plant and a new opportunity for NVH engineers!!"

12:35 Lunch

Reduction of noise at source is the best option but where is the limit?

13:35 **Alan Bennetts** - Bay Systems/Cooper Tyre
Round, Black and Expensive - "A review of tyre technologies: where we have been and where we are today and why we are there".

14:10 **Andrew Middleton** - Anthony Best Dynamics
Gear noise – "Seldom a problem when there is an internal combustion engine in the vehicle but when there is an electric motor?"

14:45 Afternoon Tea

15:15 **Chris Quigley** - Warwick Control
Taking the wire out of wiring - "Simplifying the vehicle electrical harness using a higher speed network promised more performance and less weight"-

15:55 **Dave Fish** - JOmega
Green NVH - "Reflections on NVH from demands for greener vehicles".

16:30 Close

Times of presentations may vary. Please check the website for the latest information.

Registration Form (BLOCK CAPITALS PLEASE)

NVH and the Green Vehicle Tuesday 16th October 2007

TARIFF	EIS member	Non Member
Delegate	£95+VAT	£115+VAT
Students	£25+VAT	£25+VAT
Leaflet Insert in the delegate pack	£50+VAT	£50+VAT
Yearly Personal membership of EIS	£20 (UK)	£25 (Overseas)
Life Membership	£100	

Surname Title

First Name

Organisation/Company

Mailing Address

Telephone Facsimile

E-mail

Invoice Address

I enclose a cheque for £payable to The Engineering Integrity Society

Please invoice me using purchase order number(Terms 30 days)

I do not wish to receive future EIS mailings I require a vegetarian meal

I require a certificate of attendance (attendance will count towards your continued professional development (CPD))

RESERVATIONS TO: Lisa Mansfield, Engineering Integrity Society
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