



A FESI Continuous Professional Development Workshop

## Industry Forum – Understanding Structural Integrity Challenges in Various Industry Sectors

Chairman: Dr I Le May, Metallurgical Consulting Services Ltd.  
Date: 11<sup>th</sup> November 2009;  
Venue: Health and Safety Laboratory, Buxton, Derbyshire, UK ([www.hsl.gov.uk](http://www.hsl.gov.uk))

### Purpose

All industry sectors are faced with the safe maintenance and economic management of components over their lifecycle; from design and build, through operation to retirement. The purpose of the Industry Forum is to:

- Better understand how structural integrity is handled and managed in the various industries in terms of on-going issues and future challenges.
- Latest developments in the field of structural integrity being undertaken or sponsored by the various industries.
- Explore possibilities and opportunities for technology transfer of relevant structural integrity practices and developments between different industry sectors. This will be by way of a panel discussion led by experienced structural integrity practitioners across a range of industry sectors.

Industries represented will include Aerospace, Automotive, Chemicals/Petrochemicals, Medical Devices, Nuclear Power, Offshore, Power Generation (other than nuclear) and Rail.

The output from the open discussion of this workshop will be circulated to attendees and published in the FESI Bulletin (full details see our website at [www.fesi.org.uk](http://www.fesi.org.uk) )

It is intended that this workshop will be complimented by a University Forum day to be held during 2010 aimed at gaining a better understanding of structural integrity in academia in terms of both teaching and research activities.

### Who Should Attend

This Industry Forum will be of interest to engineers of all disciplines, regulators and policy makers, managers from across the industry sector, technology suppliers and academia. Registration form on-line at [www.fesi.org.uk](http://www.fesi.org.uk)

### Programme

09:15 Registration & Coffee

09:40 Welcome and Introduction

P Heyes – HSL (Host)

I Le May – Metallurgical Consulting Services Ltd (Chairman)

09:45 Aerospace – Developments in Airframe Structural Integrity

J Moon - QINETIQ

10:20 Automotive – Advanced Techniques for Design of Roadside Barriers for Crash Scenarios

O Tomlin – MIRA

10:55 Gas – The Integrity Issues Involved in Maintaining Delivery

C Nettikaden, Hydrocarbon Resources Ltd

11:30 Medical Devices – Improving the Mechanical Reliability of Ceramic Components by Design

R Morrell – NPL

12:05 Nuclear Power – Structural Integrity Challenges in the Nuclear Industry

P Budden – British Energy

12:40 Lunch

13:45 Offshore – Inspection Accuracy and Integrity Assessment of Corroded Offshore Pipes

A Smith - DNV

14:20 Power Generation – Overview of UK Conventional Power Plant Integrity Issues

A Morris - EoN

14:55 Refreshments

15:15 Rail – Transport of DE-LIGHT: The Design and Prototyping of a Lightweight

Crashworthy Rail Vehicle Driver's Cab

J Carruthers, Newrail

15:50 Open Discussion led by Chairman

16:30 Close



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Continuous Professional Development for Engineers

## "Industry Forum – Understanding Structural Integrity Challenges in Various Industry Sectors"

Health & Safety Laboratory, Harpur Hill, Buxton, Derbyshire, SK17 9JN, UK

11<sup>th</sup> November 2009

### Registration Form

To Register: please post, fax or e-mail to:

Poul Gosney, FESI - UK Forum for Engineering Structural Integrity, Whittle House, Birchwood Park, Warrington, WA3 6FW, UK

Fax number: +44 (0)1925 843498, e-mail: [poul.gosney@fesi.org.uk](mailto:poul.gosney@fesi.org.uk)

Delegate Details: Please complete separate forms for each delegate

Surname	Title	e.g. Prof/Dr/ Mr/Mrs/Ms
First Name	(for badge)	
Position		
Company		
Address		
Postcode	Country	
Telephone	(Include country code)	Facsimile
e-mail		
Your Company VAT Number	Special Dietary Requirements	

Registration Fee: (Inclusive of workbook, lunch and all refreshments, VAT @ 15%)

<input type="checkbox"/> £130.00 (£149.50 inc VAT) (please tick) includes ESIS/FESI membership for 2010	<input type="checkbox"/> £100.00 (£115.00 inc VAT) for ESIS UK/FESI members and Corporate Sponsors (please tick)	<input type="checkbox"/> £50.00 (£57.50 inc VAT) for students (please tick)
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Registration fee is exclusive of VAT

**Payment:** is required in £ Sterling and in advance and can be made by cheque, bank transfer, or credit card. Invoice/Company Orders are accepted from UK companies only. Please send this form with payment. Upon receipt of payment an official confirmation of registration with relevant details will be sent.

**VAT:** Under UK Customs and Excise regulations VAT, at the standard rate of 15%, is payable by all delegates from all countries attending training courses/conferences/seminars within the UK.

**By Cheque:** in £ Sterling, made payable to FESI Ltd. and crossed.

**By Credit Card:** Please debit my credit card:  MasterCard

Visa

(please tick)

*We regret we cannot accept payment by any other card.*

Number:

Expiry date:  /  Three-digit authentication code on reverse of card

Card Holder's Name	Signature	
Billing Address (as appears on statement)		
Postcode		Country

**By Bank Transfer:** If you wish to pay by bank transfer (BACS), please contact Poul Gosney at FESI. Bank account details will be sent to you separately.

**By Invoice/Company Order:** (UK Companies only). Delegates who wish to be invoiced must quote a Company Order Number or enclose a request for invoicing on your company's letterhead. Please quote your company's VAT Registration Number. There is a £10.00 + VAT (£11.50) administration charge.

Order Number	Contact Name
Invoice Address	Telephone Number
<i>(If different from Company address)</i>	
Postcode	

**Cancellation/Substitution:** Cancellations must be received in writing by 1<sup>st</sup> November 2009 and will be subject to an administrative charge of £50.00 plus VAT (£57.50). It is regretted that no refunds will be made after this date. Substitutions may be made at any time - please inform FESI of any change.

FESI reserves the right to cancel at short notice. It will endeavour to provide participants with as much notice as possible, and will not accept liability for any costs incurred by participants or organisations for the cancellation of travel arrangements and/or accommodation reservations as a result of the Continuous Professional Development Seminar and Workshop being cancelled or postponed. If the Continuous Professional Development Seminar and Workshop is cancelled, registration fees will be refunded in full. FESI also reserves the right to postpone or alter the content and timing of the programme or the identity of the speakers.



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