



A FESI Continuous Professional Development Workshop



The University of Manchester
Dalton Nuclear Institute
Sponsors

University Forum - How Universities are Meeting the Current and Future Challenges to Industry in Engineering Structural Integrity

Chairman: Prof John Yates, University of Sheffield
Date: 8 July 2010
Venue: Harwood Room, Barnes Wallis Building, University of Manchester

Purpose

Engineering structural integrity (ESI) is a key element across industry sectors in the safe maintenance and economic management of components and structures over their lifecycle: from design and build, through operation to retirement. In order to fulfil these requirements, and to maintain their competitive edge, industries are increasingly needing to invest in Research and Development (R&D) in ESI. In addition, it is imperative that present and future structural integrity engineers are adequately and appropriately trained in the use of state-of-the-art methods and practices. It is clear that universities will have a central role in both of these aspects. The purpose of this Universities Forum is to gain a better understanding of:

- How multi-disciplinary subjects, that are inputs to structural integrity as a whole, are handled and managed by universities.
- The structural integrity R&D activities undertaken in universities and how these are identified to meet the needs of industry sectors and regulators.
- Current formal and informal links between universities and industry and possibilities and opportunities for increasing these.

Universities represented will include: Imperial College; University College; Manchester; Bristol; Queen's; Strathclyde; Cranfield; Lancaster; Liverpool and the Open University. The output from the open discussion of this workshop will be circulated to attendees and published in the FESI Bulletin and on-line after the event at www.fesi.org.uk

Who Should Attend

This Universities Forum will be of interest to engineers of all disciplines, regulators and policy makers, managers from across the industry sector, technology suppliers and academia.

Programme

09:00 Registration & Coffee	12:25 Lunch
09:20 Welcome and Introduction	13:15 Structural Integrity Activity at the University of Strathclyde James Wood [University of Strathclyde]
09:30 Atmospheric Corrosion of Steels Nicholas Stevens [University of Manchester]	13:40 Structural Integrity Monitoring Using Guided Waves - Paul Fromme [University College, London]
09:55 Recent research on structural integrity in the University of Liverpool Zhenjun Yang [University of Liverpool]	14:05 Structural Integrity of Future Aircraft and the Effects of SHM and IVHM Research Philip Irving [University of Cranfield]
10:20 Pultruded Composite Structures Geoffrey Turvey [University of Lancaster]	14:30 Structural Integrity Research and Teaching in Materials Engineering at The Open University - Mike Fitzpatrick [Open University]
10:45 Zirconium Research Work James Marrow [University of Manchester]	14:55 Structural Integrity Monitoring and Non-destructive Testing - Su Taylor [Queen's University]
11:10 Structural Integrity Centre - Research Overview and Industrial Collaborations Catrin Davies [Imperial College, London]	15:20 Structural Integrity Activity at Bristol University - David Smith [University of Bristol]
11:35 Non Destructive Evaluation: Research Activities by the RCNDE Consortium Mike Lowe [Imperial College, London]	15:45 Open Discussion led by Chairman
12:00 Structural Integrity for Offshore Engineering at Cranfield University Feargal Brennan [Cranfield]	16:15 Close

"University Forum – How Universities are Meeting the Current and Future Challenges of Industry in Engineering Structural Integrity"

Harwood Room, Barnes Wallis Building, University of Manchester
8 July 2010

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

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 @ 17.5%)(please tick)

<input type="checkbox"/> £150.00 (£176.25 inc VAT) includes ESIS/FESI membership for 2011	<input type="checkbox"/> £100.00 (£117.50 inc VAT) for ESIS UK/FESI members and Corporate Sponsors (please tick)	<input type="checkbox"/> £50.00 (£58.75 inc VAT) for students (please tick)
---	--	---

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 17.5%, 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 (£11.75) administration charge.

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

Cancellation/Substitution: Cancellations must be received in writing by 1st November 2009 and will be subject to an administrative charge of £50.00 plus VAT (£58.75). 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.

FESI - the UK Forum for Engineering Structural Integrity.

Registered Office: Whittle House, The Quadrant, Birchwood Park, Warrington, WA3 6FW. Registered in England and Wales, number 5472696