

Please submit this form for registration:

Poul Gosney at FESI—UK Forum for Engineering Structural Integrity
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Please tick if you are applying for reduced fee:

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If accompanied by your partner and you require an extra Conference Dinner place, please indicate below and add £75.00 to your total registration fee.



12th International Conference on Engineering Structural Integrity Assessment

ESIA 12

Conference sponsor



28 - 29 May 2013

Manchester Conference Centre
Manchester
UK

FESI—UK Forum for Engineering Structural Integrity is sponsored by: EDF Energy, Rolls-Royce, Magnox, Cranfield University, Frazer-Nash Consultancy, Manchester University, Atkins, ESR Technology, TWI, NPL, HBM-nCode, Bristol University, DNV, MCS (Canada), AMEC, OCE (USA), Centrica, the Design Unit and the Open University. It is supported by HSE, ONR and HSL

Theme

Every two years FESI organises an International Conference on Engineering Structural Integrity Assessment which is intended to provide a forum for the presentation, review and discussion on the latest developments of key structural integrity issues for plant, components and structures together with buildings and the infrastructure. ESI is the science and practice of increasing and improving engineering reliability and safety. We will be considering how in this time of austerity, our economic challenges can be safely accommodated in both new design and in the operation of existing plant.

The title of the Conference is **Engineering Structural Integrity Assessment – ESIA12, “Where are we today?”**. This is a conference which will have three types of presentations:

1. Keynote Presentations will cover the major areas of Engineering Structural Integrity across industry
2. Papers will then be given that are related to current developments in ESI technology
3. A Poster session which will illustrate university research projects in Structural Integrity related areas (dedicated session)

Organising Body

FESI - UK Forum for Engineering Structural Integrity (Chairman: Dr Brian Tomkins FEng) provides a forum for the development and enhancement of best practice for engineering structural integrity practitioners, for academics and across all industry sectors in the UK and overseas.

Terms and Conditions - Payment methods

Registration Fee

	Conference 2 day attendance		Conference 1 day attendance	
	Fee (net)	Fee (gross)	Fee (net)	Fee (gross)
Delegate	450.00	540.00	300.00	360.00
Presenting Author	300.00	360.00	200.00	240.00
Co-author	350.00	420.00	240.00	288.00
Retiree/Student/ student author	80.00	96.00	60.00	72.00

To register, please complete the registration form and return it to the address below.

Cancellations

In the event of cancellation, the fees paid will be returned, less a cancellation charge of 20%. If less than 14 days' notice is given, the organisers reserve the right to retain the whole fee. Cancellations must be confirmed in writing.

Who to contact

Enrolments and general enquiries:

Poul Gosney, FESI, Warrington, WA3 6FW, UK - esia12@fesi.org.uk - tel: +44 (0)1925 843429

Programme - Day One

Evolution of Engineering Structural Integrity Assessment

Keynote Papers from:

Prof Rod Smith FEng, Chief Scientific Advisor to the UK Minister of Transport

- **Challenges for Transport**

Prof Steve Garwood FEng, Director of Engineering and Technology, Rolls-Royce plc

- **Manufacturing for Marine and Aero Development;**

Professor Shan-tung Tu, Vice President, East China University of Science and Technology, Shanghai, Peoples Republic of China

- **Challenges for Engineering Structural Integrity in China**

Prof David Ewins FRS, FEng, University of Bristol

- **Thru-life Vibration Modelling**

Dr Keith Newton, Director of the Research Centre for Non Destructive Examination, Imperial College London

- **Integration of Inspection with Structural Integrity Assessment**

Mr Andy Holt, HM Principal Inspector, Office for Nuclear Regulation

- **Challenges for the Regulator**

Mr Mike Lewis, Principal Consultant, ESR Technology

- **The Role of the Expert Witness in ESI Cases (TBC)**

To complete Day 1, there will be papers on:

- **Inspection and Monitoring**
- **Fracture Analysis**
- **Integrity Assessment**

This will be followed by the **Poster Session**

After Dinner Speaker:

Prof Leslie Banks-Sills, President of the European Structural Integrity Society

- **European Structural Integrity Society - Perspectives**

Programme - Day Two

New Challenges and New Developments

Keynote Papers from:

Prof Rob Ritchie FEng, H. T. & Jessie Chua Distinguished Professor of Engineering, University of California

- **New Challenges for Bio Systems/Materials**

Prof Ferri Aliabadi, Head of Aeronautics, Imperial College London

- **Integrity of Aerospace Structures**

Prof Leslie Banks-Sills, Tel Aviv University

- **Delamination Toughness Test of DCB Specimens Composed of Woven Composites**

Prof HuiHua Feng, Beijing Institute of Technology, Peoples Republic of China

- **Integrity of Engines on Land Transport**

Dr Henryk Pisarski, TWI Ltd

- **Advances in Standards for Weld Flaw Assessments Using Fracture Mechanics**

Prof Su Jun Wu, School of Material Science and Engineering, Beihang University, Peoples Republic of China

- **Thermo-Mechanical Simulation of the Neutron Irradiated Embrittlement Effect on RPV Steels**

Prof Kamran Nikbin, Imperial College London

- **The Status of High Temperature Design Codes**

Prof Mike Fitzpatrick, Open university

- **Teaching Structural Integrity to Engineers: an integrated approach**

To complete Day 2, there will be papers on:

- **Modelling**
- **Material Behaviour**

Prof John Knott OBE, FRS, FEng, University of Birmingham

- **Rapporteur's Conference Summary**