



**Call for Papers**

**Abstracts by 31 December 2016**

**The 14<sup>th</sup> International Conference on Engineering Structural Integrity Assessment (ESIA14), in conjunction with the 2017 International Symposium on Structural Integrity (ISSI-2017), China**  
**16 and 17 May 2017, Manchester, UK**

The fourteenth biennial **International Conference on Engineering Structural Integrity Assessment** in conjunction with the **2017 International Symposium on Structural Integrity** will be held at the Manchester Conference Centre in Manchester, which is one of the most technologically historic and exciting cities in the United Kingdom, with one of the largest universities.

The ESIA14-ISSI2017 joint conference provides a special opportunity to offer a vehicle for exchange of views on how to characterise, analyse, predict and assess engineering structural integrity of plant, components and structures together with buildings and infrastructure. It will allow an evaluation of progress and challenges in these areas to ensure that economic, safe and reliable operation is achieved for new design, and existing systems.

On this occasion the conference will be followed by a one day workshop designed to explore potential areas of collaboration with the Chinese delegates in areas of common interest.

Oral and poster presentations will allow sufficient time for follow-up discussions, friendly debate and relaxed participation.

The Conference will be held at the Manchester Conference Centre, Manchester, United Kingdom.

**SCOPE and TOPICS**

We invite papers from industry, regulators, academia, technology support and supply chain organisations.

These relate to the assurance of structural integrity in relation to safe, economic and reliable solutions across industry. The areas to be covered will include:

- Methodology developments
- Materials modelling and testing for applications, including through-life property changes
- Relevant Non-Destructive Inspection Technology developments
- Condition monitoring of structures and components
- Design and assessment Codes and Standards
- Durability assessment of component damage
- Operational experience including case studies
- Risk based inspection and maintenance
- Plant life prediction methodologies
- Issues relating to decommissioning, disposal and long term waste storage

**KEYNOTE PAPERS**

Each day will be commencing with a series of keynote presentations by internationally recognised speakers, drawn from the industry, business and academic communities.

**CALL FOR PAPERS**

1. Abstracts (up to 300 words) should indicate the theme and topic area to which it is appropriate and contain the presentation title, the author's name(s) and affiliation(s), five key words, an illustration and table, and the full contact details of the corresponding author.
2. The conference language is English.
3. Full papers of not more than 8(eight) pages are requested by 15/04/2017.
4. Papers are accepted on the understanding that an author will present the paper at the Conference in English.

**DATES TO NOTE**

- Abstracts must be submitted before **31 December 2016**
- Authors will be notified of acceptance – **15 January 2017** (with guidelines)
- Submission of Full Paper for review – **15 April 2017**.

**All papers received at that date will be included in the conference proceedings of ESIA14-ISSI2017.**

**YOUNG PRESENTERS Award**

The Conference Organisers are keen for Post Graduates and early career workers to submit papers and have over the years awarded a prize for the best paper and poster presentation. This prize is the Young Presenters Award in honour of the late Professor Keith Miller FEng, whose work in the area of Engineering Structural Integrity was world renowned.

**TECHNICAL COMMITTEE**

**Peter Flewitt**, Bristol University

**Shan-Tung Tu**, East China University of Science and Technology

**Brian Tomkins**, FESI

**Xuedong Chen**, Hefei General Machinery Research Institute

**Steve Garwood**, Imperial College

**Sujun Wu**, Beihang University

**EXHIBITION AND POSTER DISPLAY**

All the delegates will be keen to see new and innovative equipment, software and research that could assist them in their work situation. Use this opportunity to exhibit and demonstrate your latest products and

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developments. Posters can be used to communicate recent research in both industry and academia.

#### SPONSORSHIP

Put your company's or organisation's name in front of all the delegates by sponsoring a Conference Event:

- The main Conference
- Conference Reception
- Conference Dinner
- Conference fliers

For further information please contact Conference Organising Committee Kay Platts, at [kay.platts@fesi.org.uk](mailto:kay.platts@fesi.org.uk) or Dr Mingliang Zhu at [mlzhu@china-sic.net](mailto:mlzhu@china-sic.net).

#### CONFERENCE SECRETARIAT CONTACT DETAILS:

ESIA14-ISSI2017 joint Conference Organising Committee

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