



Forum for Engineering Structural Integrity

CSIC

中国结构完整性联盟

Call for Papers

Abstracts by 31 December 2018

The 15th International Conference on Engineering Structural Integrity Assessment (ESIA15), in conjunction with the 2019 International Symposium on Structural Integrity (ISSI-2019), China
8 and 9 May 2019, Granta Park Cambridge, UK

The fifteenth biennial **International Conference on Engineering Structural Integrity Assessment** in conjunction with the **2019 International Symposium on Structural Integrity** will be held at Granta Park near Cambridge, which is one of the oldest university cities in the world.

The ESIA15-ISSI2019 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.

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

The Conference will be held at Granta Park, near Cambridge, 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 8 April 2019.
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 2018**
- Authors will be notified of acceptance – **18 January 2019** (with guidelines)
- Submission of Full Paper for review – **8 April 2019**.
All papers received at that date will be included in the conference proceedings of ESIA15-ISSI2019.

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 FREng, whose work in the area of Engineering Structural Integrity was world renowned.

TECHNICAL COMMITTEE

Peter Flewitt, Bristol University

Brian Tomkins, FESI

Steve Garwood, Imperial College

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

Xuedong Chen, Hefei General Machinery Research Institute

Sujun Wu, Beihang University

Corporate Members of FESI



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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 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 Sue Lowe, at sue.lowe@fesi.org.uk or Dr Mingliang Zhu at mlzhu@china-sic.net.

CONFERENCE SECRETARIAT CONTACT DETAILS:

ESIA15-ISSI2019 joint Conference Organising Committee

Sue Lowe

FESI – UK Forum for Engineering Structural Integrity

<https://www.fesi.org.uk/events/esia15/>

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For Chinese participants, CSIC will organise a technical visiting to TWI on 7 May, 2019, and there will be a post conference workshop at Imperial College London on 10 May, 2019. As a result, Chinese participants are expected to arrive on 6 May for conference registration and leave on 11 May, 2019. Please contact Dr Mingliang Zhu via mlzhu@china-sic.net for further details.