

ESIA17–ISSI2023

▼ The Lowry



A CONFERENCE ON ENGINEERING STRUCTURAL INTEGRITY ASSESSMENT & 2023 INTERNATIONAL SYMPOSIUM ON STRUCTURAL INTEGRITY

MAY 23–25, 2023—THE LOWRY CENTRE, SALFORD QUAYS, UK

FESI's flagship 17th International Engineering Structural Integrity Assessment Conference ESIA17 will be held on May 23–25, 2023 in conjunction with ISSI2023, the China Structural Integrity Consortium's International Symposium on Structural Integrity. The venue is The Lowry which is situated in the heart of Greater Manchester's dynamic new waterfront development MediaCityUK, Salford. An international hub for innovation and technology, the complex is named after the iconic Manchester artist LS Lowry (1887–1976).

SCOPE AND TOPICS

ESIA17–ISSI2023 will provide a unique opportunity for the engineering structural integrity (ESI) community to learn about novel solutions and technical advances to some of the most urgent challenges facing engineering today, and to network with leaders in ESI from around the world.

Each of the three days will commence with a series of **plenary presentations** by internationally recognised speakers, drawn from the industry, business and academic communities.

We have invited poster presentations from designers, manufacturers, operators and users, 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 the engineering structural integrity communities. →

We have also organised a **Roundtable Discussion**, entitled "Future Challenges for Fatigue Research" and chaired by FESI Director **Professor Roderick A Smith**. All delegates attending the conference are welcome to attend.

ADVANCED MANUFACTURING AND JOINING METHODS

ADVANCED REACTOR TECHNOLOGIES

ADVANCED SURFACE TECHNOLOGY

CODES AND STANDARDS

ENVIRONMENTALLY ASSISTED CRACKING

FATIGUE, CREEP AND FRACTURE

HYDROGEN

INDENTATION TEST AND ITS APPLICATION

PROBABILISTICS AND BIG DATA

PROBABILISTIC FAILURE ASSESSMENT

RENEWABLES

RESIDUAL STRESSES

STRUCTURAL INTEGRITY OF ADDITIVELY MANUFACTURED COMPONENTS

VERY HIGH CYCLE FATIGUE

OUR SPEAKERS

PLENARY



Prof Janice Barton
University of Bristol



Prof Haofeng Chen
East China University of
Science and Technology



Prof Hongzhi Cui
Ocean University of China



Prof Alexander Korsunsky
University of Oxford



Dr Amanda Quadling
UKAEA



Prof Philippa Reed
University of Southampton



Dr Andrew Wisbey
Jacobs



Prof Jinyang Zheng
Zhejiang University



Prof Weihua Zhang
Southwest Jiaotong University

ROUNDTABLE



Professor Roderick Smith
(Chair)
Imperial College London



Professor David Hills
University of Oxford



Professor Luca Susmel
University of Sheffield



Andrew Holt
Office for Nuclear Regulation

FUTURE CHALLENGES IN FATIGUE RESEARCH

May 24, 2023 (pm)—The Lowry

A dedicated session for a discussion of fatigue, bringing together a handful of fatigue researchers covering a spectrum from material science, manufacturing, service practitioners, and experienced old hands.

Each will be given 10 minutes to explain their views. The Chair will then question each in turn before opening a discussion both between the panel and from the floor ending the session with a short summary of what has been discussed.

OUR SPEAKERS

KEYNOTE



Prof Stefano Beretta
Politecnico di Milano



Prof John Bouchard
Open University



Prof Timothy Burnett
The University of Manchester



Dr Valerio Carollo
TWI Ltd



Prof Xuefei Guan
China Academy
of Engineering Physics



Prof Zheng-Fei Hu
Tongji University



Dr Yin Jin Janin
TWI Ltd



Prof Yu'E Ma
Northwestern Polytechnical
University



Dr Emilio Martínez-Pañeda
Imperial College London



Prof Shuxin Li
Ningbo University



Dr Beatriz Mingo
The University of Manchester/
Henry Royce Institute



Dr Hideo Miura
Tohoku University



Prof Mahmoud Mostafavi
University of Bristol



Prof Thierry Palin-Luc
Arts et Metiers Institute
of Technology



Dr Minh-Son Pham
Imperial College London



Dr Salah Rahimi
University of Strathclyde



Dr Christos Skamniotis
University of Leicester



Prof Shouwen Shi
Tianjin University



Prof Binhan Sun
East China University of
Science and Technology



Dr Nick Underwood
Nuclear Innovation and
Research Office



Prof Xiaowei Wang
Nanjing Tech University



Prof Jian-Feng Wen
East China University of
Science and Technology



Dr Guiyi Wu
Centre of Excellence for
Advanced Materials



Dr Huan Wu
TWI Ltd

PRIZES

Over the ESIA17–ISSI2023 joint conference, FESI and CSIC will offer a prize for the Best Poster of £100, Best Presentation of £150, and the Keith Miller Award (Best Student Presentation) of £200, to recognise excellence of research and communication.

FEES

Please register and pay fees by March 10. Contact the Conference UK Secretariat (details below) if you think that you require an extension to this deadline as soon as possible. All payments must be made via **Paypal**.

	1-DAY ATTENDANCE	3-DAYS ATTENDANCE
Delegate (non-FESI Member)	£440 + VAT	£649 + VAT
Delegate (FESI Member)	£352 + VAT	£517 + VAT
Retiree/Student/Unemployed	£180 + VAT	£250 + VAT
Plenary Speaker	£176 + VAT	£259 + VAT
Delegate (FESI Student Member)	£144 + VAT	£200 + VAT

SPONSORSHIP

There is the opportunity for organisations to sponsor the conference. This will enable the organisation logo to be displayed in the final programme, website and associated literature.

SPONSORSHIP OPTION	BENEFITS FOR SPONSOR
Conference	• Company logo on all material (on website, flier etc.) associated with conference • Statement on material that company is sponsoring event • Company can have a table and use its “pull-up” stand to display goods/services throughout extent of conference • Company logo displayed in main lecture theatre throughout extent of conference • Sponsoring Company entitled to 2 delegates registering for conference free of charge
Exhibition Table	• Company can have a table and use its “pull-up” stand to display goods/services throughout extent of conference • Sponsoring Company entitled to 1 delegate registering for conference free of charge
Conference Dinner	• Company logo on all material (on website, flier etc.) associated with conference • Statement on material that company is sponsoring the conference dinner • Company can have a table and use its “pull-up” stand to display goods/services throughout extent of conference • Company logo included on conference dinner menu • Sponsoring Company entitled to 2 delegates registering for conference free of charge
Drinks Reception	• Statement on material that company is sponsoring the drinks reception. • Company can use its “pull-up” stand during drinks reception and conference dinner. • Sponsoring Company entitled to 1 delegate registering for conference free of charge.

SPONSORSHIP OPTION	NON-FESI MEMBER	FESI MEMBER
Conference	£3000 + VAT	£2000 + VAT
Exhibition Table	1500 + VAT	£1000 + VAT
Conference Dinner	£3000 + VAT	£2000 + VAT
Drinks Reception	£1500 + VAT	£1000 + VAT

Please contact the FESI Office (→ sue.lowe@fesi.org.uk) to register an interest in sponsorship.

CONFERENCE DINNER

A conference dinner will be held at The Lowry on the evening of May 24 for all attendees. Dr John Roberts, Jacobs/ Royal Academy of Engineering, and Professor Shan-Tung Tu, Chair, CSIC China, have been confirmed as speakers.

ACCOMODATION

We have arranged a discounted rate for Standard Rooms at the Holiday Inn, a 5 minutes walk from The Lowry. Please contact the UK Conference Secretariat for details.

[REGISTER HERE](#)

CONFERENCE SECRETARIAT CONTACT DETAILS

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