

ESIA18-ISSI2026

STRUCTURAL INTEGRITY CONFERENCE

May 18–20, 2026

Technology and Innovation Centre (TIC),
University of Strathclyde, 99 George Street, Glasgow G1 1RD, UK

▲ Clyde Arc and Glasgow skyline at night
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OVERVIEW

FESI's flagship 18th International Engineering Structural Integrity Assessment Conference (ESIA18) will be held in conjunction with the China Structural Integrity Consortium's International Symposium on Structural Integrity (ISSI2026), on May 18–20, 2026 in Glasgow, UK.

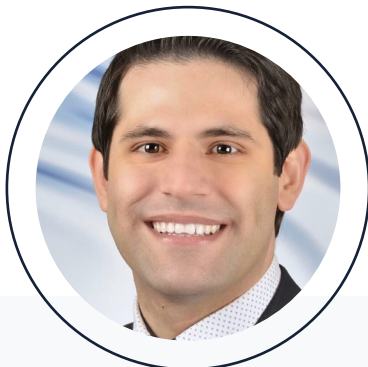
The conference is to be chaired by **Ali Mehmanparast**, Professor of Structural Integrity at the University of Strathclyde.

ESIA18-ISSI2026 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.

Held over three days, there will be time for follow-up discussions, friendly debate, and the exchange of views and information. Presentations and posters will address various technical themes.

CONFERENCE TECHNICAL THEMES

Presentations and posters will be organised under the following fourteen themes.



Prof Ali Mehmanparast
Conference Chair

- 1—Fatigue, creep, and fracture
- 2—Residual stresses
- 3—Codes and standards
- 4—Environmental assisted cracking
- 5—Probabilistics, big data, and machine learning
- 6—Advanced manufacturing, joining, and forming technologies
- 7—Advances in additive manufacturing of steel structures
- 8—Renewable energy structures
- 9—Surface treatment and coatings
- 10—Computational methods
- 11—High temperature components
- 12—Failure analysis of composite materials
- 13—Hydrogen production, transportation, and storage
- 14—Structural health monitoring, inspection, and maintenance



Forum for Engineering Structural Integrity



PLENARY SPEAKERS WILL INCLUDE



Prof Mike Fitzpatrick

Coventry University
'Structural Integrity
of Nuclear Materials'



Prof David Nash

University of Strathclyde
'Structural Integrity of
Biomedical Devices'



Prof Sara Bagherifard

Politecnico di Milano
'Structural Integrity of Additive
Manufactured Components'



Prof Emilio Martínez-Pañeda

University of Oxford
'Structural Integrity Using
Advanced Modelling Techniques'



Prof Feargal Brennan

University of Strathclyde
'Structural Integrity of Offshore
Renewable Energy Structures'

KEY DATES

Content submissions

November 30, 2025 at the latest

Conference registration

Within 31 days of receiving email
confirming acceptance of abstract

Standard registration

July 1, 2025–January 31, 2026

Late payment registration

After February 1, 2026

Final day for registration

March 15, 2026

Conference

May 18–20, 2026

ROUNDTABLE DISCUSSION

'The Next Frontier: Standardised Design and Assessment in
Structural Integrity Incorporating AI'

Professor Luca Susmel (Panel Discussion Moderator)

Sheffield Hallam University

Professor Keith Worden, University of Sheffield

Michael Overd, Leonardo Helicopters

Professor Bruce Drinkwater, University of Bristol

Professor Kenneth A Macdonald, University of Stavanger

John Yates, Engineering Integrity Society (EIS)

Further details regarding the conference and registration can be obtained
from the FESI website <https://fesi.org.uk/esia18-issi2026/>