



# European Safety & Reliability Conference

3-8 September 2023  
University of Southampton, UK

**ESRA:** [esrahomepage.eu](http://esrahomepage.eu)

**ESREL2023:** [www.esrel2023.com](http://www.esrel2023.com)



## CALL FOR ABSTRACTS and FULL PAPERS

The ESREL2023 conference will bring together the top experts of the World in the science and practice of reliability, safety and risk.

### The topic of ESREL 2023 is ‘The Future of Safety in a Reconnected World’.

This reflects our ambition to explore how risk, reliability and safety methodologies can help society address the new challenges of the post Covid era and as new technologies proliferate. The conference will present technical and scientific papers covering methods and applications in the fields of risk, safety and reliability.

The city of Southampton has long been at the centre of global connectivity, with its rich maritime history. Both the Mayflower and centuries later the Titanic left Southampton dock, to meet very different fates, with the former signifying the irrepressible spirit of hope and the latter signifying hubris and disaster. Both of these voyages offer lessons in the interplay of human and technological factors, both in optimising safety and reliability and in determining what risks should be taken in the first place.

We look forward to welcoming you to Southampton to discuss the latest developments in safety and reliability in a rapidly reconnecting world.

**2022**

**December 1:**  
Proposal of the special session

**2023**

**January 15:**  
Abstract submission

**February 28:**  
Abstract acceptance

**March 30:**  
Full paper submission

**April 30:**  
Notification of acceptance & registration opening

**May 20:**  
Final revised full paper submission

**May 31:**  
Early bird registration deadline



## APPLICATION AREAS

- Aeronautics and Aerospace
- Automotive Industry
- Autonomous Driving Safety
- Chemical and Process Industry
- Civil Engineering
- Critical Infrastructures
- Cyber Physical Systems
- Energy
- Healthcare and Medical Industry
- Information Technology and Telecommunications
- Land Transportation
- Manufacturing
- Maritime and Offshore Technology
- Natural Hazards
- Nuclear Industry
- Occupational Hazards
- Oil and Gas Industry
- Renewable Energy Industry
- Railway Industry
- Security
- Smart Cities and Systems
- Socio-Technical-Economic Systems
- Supply Chains Management
- Water Transportation Systems
- Web Systems

## METHODOLOGY AREAS

- Accelerated Life Testing
- Accident and Incident Modeling
- Asset management
- Economic Analysis in Risk Management
- Foundational Issues in Risk Assessment and Management
- Human Factors and Human Reliability
- Innovative Computing Technologies in Reliability and Safety
- Maintenance Modeling and Applications
- Mathematical Methods in Reliability and Safety
- Mechanical and Structural Reliability
- Organizational Factors and Safety Culture
- Prognostics and System Health Management
- Resilience Engineering
- Risk Assessment
- Risk Management
- Risk Scenario
- System Reliability
- Uncertainty Analysis

Each abstract and paper will be evaluated for acceptance by peer reviewers. One paid registration to the Conference is mandatory for each accepted abstract/paper (one registration per abstract/paper). Proposals for Special Sessions are welcome.

The publication of the full set of accepted papers will be referenced by SCOPUS, EI COMPENDEX and THOMSON REUTERS (ISI Web Of Knowledge, Conference proceedings) citation indexes. Publication of selected works in special issues of indexed scientific journals will also be pursued.

### Organising committee

**General Chair:** Professor Mario P. Brito, University of Southampton, United Kingdom

**General Co-Chair:** Professor Enrico Zio, Mines Paris-PSL University, France; Politecnico di Milano, Italy

**General Co-Chair:** Professor Terje Aven, University of Stavanger, Norway

**General Co-Chair:** Professor Marko Čepin, University of Ljubljana, Slovenia

**General Technical Committee Chair:** Professor Piero Baraldi, Politecnico di Milano, Italy

**Technical Committee Chair:** Dr. Andrew Rawson, Nash Maritime, United Kingdom

**Technical Committee Chair:** Dr. Alasdair Marshall, University of Southampton, United Kingdom