

4-6 May 2021 | GLASGOW, UK

**4TH INTERNATIONAL CONFERENCE ON SAFETY AND RELIABILITY OF
SHIPS, OFFSHORE & SUBSEA STRUCTURES:**

SAROSS 2021



Call for Papers

About the Conference

THE CONFERENCE WILL BRING TOGETHER RESEARCHERS, PRACTITIONERS TO ADDRESS THE SAFETY AND RELIABILITY ISSUES AS APPLICABLE TO DIFFERENT STAGES IN THE ANALYSIS, DESIGN CONSTRUCTION AND IN-SERVICE LIFE OF MARINE STRUCTURES SUCH AS SHIP, OFFSHORE, SUBMERGED STRUCTURES AND THE RENEWABLE ENERGY STRUCTURES. THIS WILL INVOLVE ADVANCED ANALYSIS BOTH FOR STRENGTH AND LOAD MODEL IN ORDER TO ESTABLISH SAFETY LEVEL BOTH FOR DETERMINISTIC MODEL (WSD METHOD) AND FOR RELIABILITY BASED DESIGN (LRFD METHOD). ONE OF THE AIMS OF THE DESIGN SHOULD BE TO ACHIEVE ADEQUATE BUT NOT EXCESSIVE LEVEL OF SAFETY WHICH CAN BE SATISFIED THROUGH RELIABILITY BASED METHOD AND THIS TAKES INTO ACCOUNT UNCERTAINTIES OF DESIGN VARIABLES. CURRENT MODERN CODES ARE TRYING TO PROVIDE DESIGN PROCEDURES ON LRFD FORMAT ALTHOUGH NO EXPLICIT RELIABILITY ANALYSIS IS DONE

Conference Themes

- ADVANCED STRENGTH ANALYSIS
- ADVANCED LOAD ANALYSIS
- PROBABILISTIC MODELS OF LOADS
- LIMIT STATE DESIGN
- RELIABILITY OF INTACT & DAMAGED SHIPS
- RELIABILITY OF FIXED, FLOATING AND SUB -MERGED STRUCTURES
- RELIABILITY OF WIND & WAVE & TIDAL ENERGY STRUCTURES & DEVICES
- RELIABILITY OF MOORING & RISERS
- FATIGUE, FRACTURE & CORROSION
- STOCHASTIC COMPUTATIONAL MECHANICS
- RELIABILITY-BASED DESIGN OPTIMIZATION
- SYSTEMS RELIABILITY
- PROBABILISTIC DETERIORATION ANALYSIS
- PROBABILISTIC MULTI-SCALE MATERIAL MODELLING
- INTELLIGENT USE OF MONITORED DATA
- LIFE-CYCLE ASSESSMENT AND OPTIMIZATION
- FAILURE CONSEQUENCE ANALYSIS
- RISK INTEGRATION AND CONTROL
- SHIP COLLISION AND STRUCTURAL IMPACT
- ULTIMATE AND RESIDUAL STRENGTH

REGISTRATION FEES

FULL REGISTRATION: £380

STUDENT REGISTRATION: £300

CHAIRS OF ORGANIZING COMMITTEE

PROFESSOR PURNENDU DAS ASRANET LTD, UK

PROFESSOR LING ZHU WUHAN UNIVERSITY OF TECHNOLOGY, PR
CHINA

KEY DATES

Abstract Deadline: 26th November 2020

Final Payment: 5th March 2021

Submission of Paper: 5 April 2021

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CONFERENCE VENUE

JURY'S INN HOTEL

80 JAMAICA ST, GLAS-
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Situated on Jamaica Street, the four star hotel in Glasgow is within a ten minute walk of three major stations- Glasgow Central, Queen Street and Argyle Street making it the ideal hotel for transport links within the city centre. With an easy three minute train ride (or 20 minute walk) to the **Scottish Exhibition and Conference Centre** and **The Hydro** Entertainment Arena, Jurys Inn Glasgow is perfectly placed for both business and pleasure guests. Our four star Glasgow hotel is also a stone's throw away from a plethora of restaurants and bars, a three minute walk from **St Enoch shopping centre** and just around the corner from **Alston Bar & Beef**, the best steak and gin that Glasgow has to offer located beneath Glasgow's Central Station. Steeped in heritage, this city also has plenty of beautiful old buildings and monuments to explore, from breath-taking **Glasgow Cathedral** to George Square, offering guests a taste of Glasgow's rich history.

CHEESE AND WINE NETWORKING SESSION

4th May 2021, 17:00 -18:30

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80 JAMAICA ST, GLASGOW G1 4QG



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