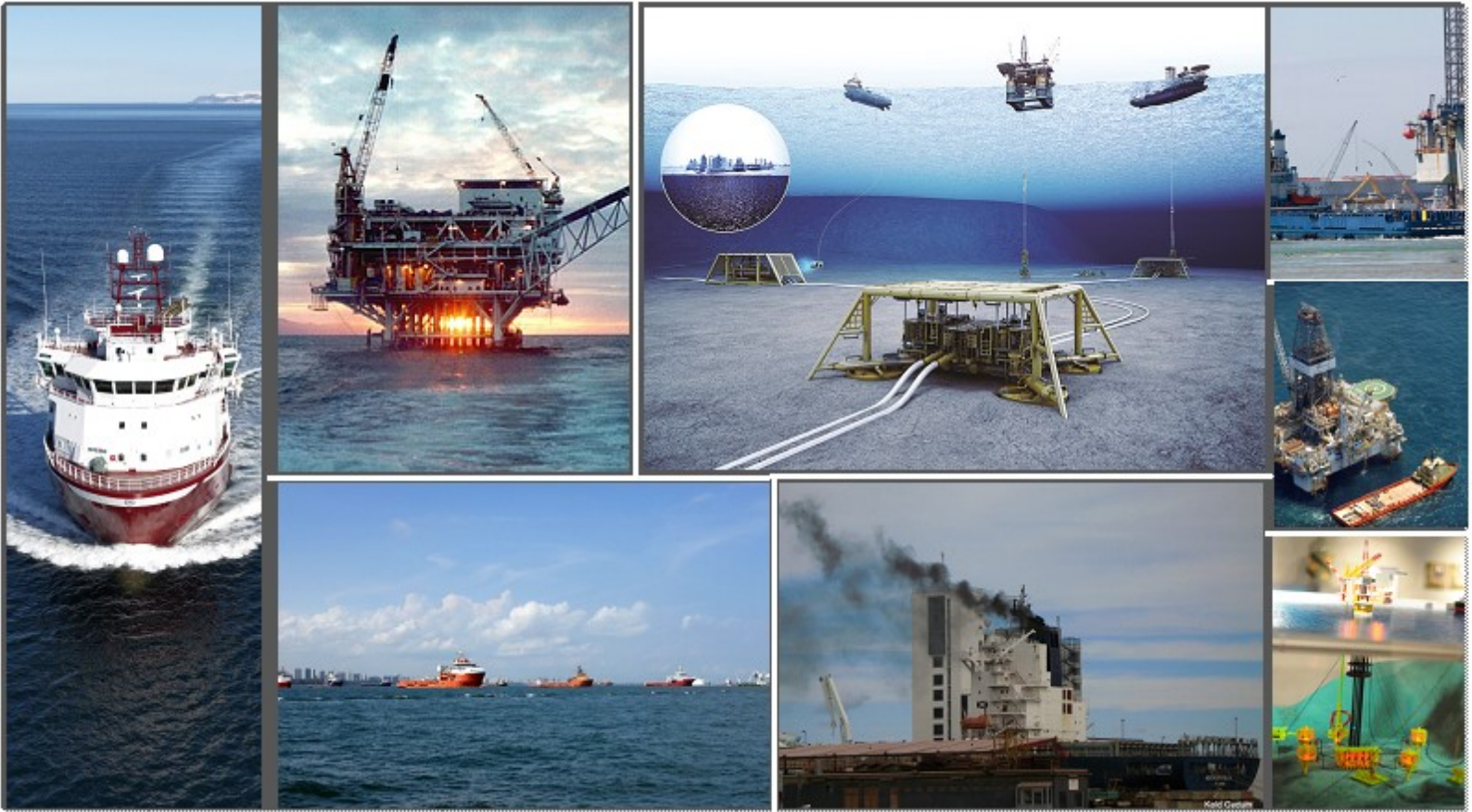


23RD — 24TH JULY 2020 | GLASGOW, UK



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ASRANet

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

SAROSS 2020

Call for Papers

ABSTRACTS SHOULD BE SENT TO SAROSS@ASRANET.CO.UK BY THE DEADLINE OF 29TH MARCH 2020

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
- STRUCTURAL RESPONSE UNDER EXTREME LOADING

KEY DATES

ABSTRACT DEADLINE: 29TH MARCH 2020 **ABSTRACT ACCEPTANCE:** 15TH APRIL 2020

ABSTRACT TO BE MAXIMUM OF 300 WORDS. ABSTRACT/PAPER FORMAT IS AVAILABLE [HERE](#)

ALL THE PAPERS WILL BE PUBLISHED IN THE CONFERENCE PROCEEDINGS WITH AN ISBN NUMBER AND DEPOSITED IN THE BRITISH LIBRARY

REGISTRATION FEES

FULL REGISTRATION: £380
STUDENT REGISTRATION: £300

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ABOUT KEYNOTE SPEAKERS

Professor Torgeir Moan FEng, Norwegian University of Science and Technology, Norway

Lecture Title; “Life Cycle Structural Integrity Management of Offshore Structures with an Emphasis on Degradation Phenomena.”

Torgeir Moan is a Professor emeritus of Marine Technology, and former Director of a Norwegian centre of research excellence CeSOS. Dr. Moan has served on the Royal Inquiry Commission of the Alexander L. Kielland accident and other accident inquiries and on various committees for the industry and standardization organisations for offshore structures (e.g. ISO, NORSOK); wind turbines (IEC) and floating bridges (NPRA). He has served as the inaugural adjunct Keppel professor at the National University of Singapore and has honorary academic positions at several leading Chinese universities.

Professor Moan’s main disciplines are structural analysis and design and, with a focus on stochastic dynamic analysis and safety assessment. He has carried out research as well as engineering design and analyses of innovative concepts of ships, oil and gas platforms, floating bridges and offshore wind turbines.

Professor Moan has authored or co-authored more than 700 journal and peer-reviewed conference papers, delivered more than 40 keynote lectures at major conferences as well as supervised more than 400 and 80 graduated candidates in their MSc and PhD thesis work, respectively.

He has been elected Foreign Member e.g. of the Chinese Academy of Engineering and the Royal Academy of Engineering, UK, and received several international awards, including the (first) Bruce Wallace award at MIT; the James W. Rice award of ASME; the Offshore Energy Center Hall of Fame Award, Houston and several best paper awards.

Professor Jeom Kee Paik OSTM FEng, University College London, UK

Lecture Title; “Advanced structural safety studies with extreme conditions and accidents”

Jeom Kee Paik is Director of the Korea Ship and Offshore Research Institute, which has been a Lloyd’s Register Foundation Research Centre of Excellence since 2008. Professor Paik has made outstanding contributions to international maritime community. He is Founder and Editor-in-Chief of the Ships and Offshore Structures journal.

He received the William Froude Medal of the UK Royal Institution of Naval Architects (RINA) and the David W Taylor Medal of the US Society of Naval Architects and Marine Engineers, and the Order of Science and Technology Merit of Korea.

Professor Paik was conferred the Doctor Honoris Causa by University of Liège, Belgium, in recognition for his contributions to international science, engineering and technology.

At present he is a distinguished professor of marine technology in the department of mechanical engineering at the University College London, UK.

AT THE CONFERENCE

THE CONFERENCE WILL OFFICIALLY BEGIN ON WEDNESDAY EVENING, 22ND OF JULY 2020. THE EVENING WILL COMMENCE WITH A WINE AND CHEESE RECEPTION FOR THE DELEGATES TO REGISTER THE CONFERENCE. IN THE FOLLOWING DAYS OF THE CONFERENCE SEVERAL PAPERS WILL BE PRESENTED FOCUSING ON VARIETY OF THEMES AND SUBJECTS.

ABOUT GLASGOW

Glasgow has been named as one of the top 20 'Best of the World' destinations for 2016 by influential publication National Geographic Traveler, the city has also been voted the 'friendliest city in the world' in a Rough Guides poll and named a must visit destination by leading publications like the New York Times, The Guardian and Wanderlust! Earning its reputation as one of the world's greatest cities, you can expect a very warm welcome and when you add world-class architecture, a vibrant nightlife, breath taking scenery and out-standing shopping, you'll never want to leave! Further afield, ancient castles, picture-postcard distilleries, tranquil lochs, outstanding golf courses and miles of unspoilt coastline are all just a short journey from the city centre - incredibly, you can get to Loch Lomond, gateway to the Scottish Highlands in only 30 minutes. The capital of Scotland, Edinburgh is only 50 minutes far by train.

GETTING HERE

AIRPORT CONNECTIONS

Glasgow is well connected globally by Glasgow International Airport through Emirates, KLM, Air France, EasyJet, Ryanair and many more. The airport is currently linked to Glasgow City Centre by Glasgow Shuttle bus service 500. This is run by First Glasgow under contract to Glasgow Airport. The service runs 24 hours a day, direct via the M8 motorway.

TRAIN CONNECTIONS

Fast trains run into the centre of Glasgow terminating at Glasgow Central. The train service from London, Manchester, Newcastle terminate at Glasgow Central or at Glasgow Queens Street with connections through Edinburgh Waverley.



George Square



Glasgow Science Centre



Loch Lomond

CONFERENCE VENUE

JURY'S INN HOTEL

80 JAMAICA ST, GLASGOW

G1 4QG

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.

GALA CONFERENCE DINNER

23th July 2020, 19:00

JURY'S INN HOTEL

80 JAMAICA ST, GLASGOW

G1 4QG

