



American
Petroleum
Institute

Preliminary Program

2024 Offshore Structure Reliability Conference

Tuesday, September 24 – Wednesday, September 25, 2024 | bp - Helios Plaza | Houston, Texas

Current as of Tuesday, May 14, 2024 | Program subject to change

Tuesday, September 24, 2024

8:00 am – 8:30 am

Welcome: Coffee and Welcome

8:30 am – 10:15 am

Session 1: Keynote – Opening / Fixed & Floating Structures (O&G)

Moderators: Moises Abraham and David Petruska

Keynote - Industry today, potential challenges, 2022 OSRC efforts in flight, new items (offshore renewables) - *Speaker TBC*

Adoption of AISC-360 for Offshore Structural Designs - Albert Ku

A Structural Reliability Framework for Standard Development - The Code for Code Writers - Adel Younan

Updates to 19901-2 / 2EQ - Adel Younan

10:15 am – 10:30 am

BREAK in the Exhibition Hall

10:30 am – 12:00 am

SESSION 2: Fixed & Floating Structures (Offshore Wind)

Moderator: Marc Paquette

Floating Offshore Wind - *Speaker TBC*

J-REG JIP – Guidelines for Site-Specific Assessment of Jack-ups in Offshore Wind Farms - James Brekke

Fatigue Reliability of Offshore Wind Turbine Structures: A Case Study - Pretheesh Paul Chaithanya

Offshore Wind Farm Installations: Perspectives from CVA - Shane Thirkell

12:00 pm – 12:45 pm

Lunch

12:45 am – 2:45 pm

SESSION 3: Integrity Management & Reliability Assessment

Moderators: Sanjay Srinivasan and Ramsay Fraser

Novel SIM Approaches - Probability-based Life Extension and Inspection Intervals - Adel Younan

Composite Repairs to Offshore Steel Structures - Peter Hopkins

Fitness for Service Assessment Toolkit in ISO 19901-9 – Partha Dev

Introduction of RBI Methodology and Integration with Structural Reliability in ISO 19901-9 2nd Edition - Partha Dev

2:15 pm – 2:30 pm

BREAK in the Exhibition Hall

2:30 pm – 3:15 pm

PANEL: Codes & Standards, Integrity Management (O&G)

Moderators: Adel Younan and James Stear



3:15 pm – 4:45 pm

SESSION 4: Metocean and Loads

Moderators: Oleg Esenkov and Oliver Jones

Wind Gust and Loading Formulations for Offshore Structures - Lauren Mudd

Comparison of API and LOADS Methods to Predict Metocean Loads based on Hurricane Experience in Gulf - Robert Gilbert

Simple Methods for Conservative Estimates of Wave-in-Deck Loads - Ramsay Fraser

Reliability of Offshore Structures with Breaking Waves, Extension and Development - Mathieu Barges

5:00 pm – 6:00 pm

Welcome and Networking Reception – Exhibition Hall

6:30 pm – 9:00 pm

Dinner

Wednesday, September 25, 2024

8:00 am – 8:30 am

Welcome: Coffee and Breakfast

8:30 am – 10:15 am

SESSION 1: Geotechnical & Foundation Engineering

Moderators: Philippe Jeanjean and Rob Little

New design considerations in geotechnical engineering to be introduced in ISO 19901-4 3rd Edition and API RP 2GEO 2nd Edition - Rob Little / Philippe Jeanjean

Probabilistic Bayesian Calibration of In-situ Soil Data for Geotechnical Uncertainty Quantification - Jungrak Son

Prediction of drag anchor holding capacity in weak rock seabed and comparison with installation data - Augusto Moggia

Reliability of Spud Can Penetration Predictions - Jack Templeton

10:15 am – 10:30 am

BREAK in the Exhibition Hall

10:30 am – 12:00 am

SESSION 2: DW Risers

Moderators: Yiannis Constantindes and Steven Wong

BSEE DW Riser IM Expectations - *Author TBC*

2RD Updates / Highlights of Provisions for Riser IM - *Speaker TBC*

Full-Scale Riser Monitoring and IM Implications - *Speaker TBC*

Deep draft vs. shallow draft semis, hull VIM, and influence on risers - *Speaker TBC*

12:00 pm – 12:45 pm

Lunch

12:45 am – 2:45 pm

SESSION 3: Construction and Marine Operations

Moderators: Alberto Morandi and Mike Hoyle



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Central Processing Platform (CPP) Substructure Reverse Launching Installation Configuration - Challenging the Norms - Muhammed Hafiz

API RP 2MOP / ISO 19901-6 – A Standard for Pre-Service Marine Operations - Alberto Morandi

Installing a FPU while inside an Eddy Current during the peak of hurricane season - Tim Jennings

Marine Operations Standards - A Class Society Perspective - Mike Hoyle

2:15 pm – 2:30 pm

BREAK in the Exhibition Hall

2:30 pm – 3:15 pm

PANEL: Renewables contrasts with O&G Facilities, Codes & Standards (Renewables)

Moderator: Phil Smedley

3:15 pm – 4:45 pm

SESSION 4: Mobile Units & Actions

Moderators: Harish Pillai and Jack Templeton

Corroded Chain and Structural Evaluation using a Response Surface Model - Andrew Kilner

Case Study: Automated Thruster Assist Drilling Operations by Using SRA - Jason Pasternak

Mooring Standards - 2SK / 2I updates - Harish Pillai

Application of off-vessel tensioning for semisubmersible FPU's in Gulf of Mexico - Caspar Heyl

4:45 pm – 5:15 pm

Actions for Industry Codes & Standards - closing remarks - 2024 OSRC Leadership