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
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 Bargues

5:00 pm – 6:00 pm  
**Welcome and Networking Reception – Exhibition Hall**

6:30 pm – 9:00 pm  
**Dinner**

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**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
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 FPUs in Gulf of Mexico - Caspar Heyl

4:45 pm – 5:15 pm  Actions for Industry Codes & Standards - closing remarks - 2024 OSRC Leadership