



2024 Offshore Structure Reliability Conference

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

Current as of Thursday, September 19, 2024 | Program subject to change

Tuesday, September 24, 2024

7:45 am – 8:25 am

Welcome: Coffee and Welcome

Welcome Remarks by Andy Krieger – Senior Vice President, Gulf of Mexico and Canada, bp

8:25 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: Arash Zakeri**

Adoption of AISC-360 for Offshore Structural Designs – **Speaker: Albert Ku**

A Structural Reliability Framework for Standard Development - The Code for Code Writers – **Speaker: Adel Younan**

Updates to 19901-2 / 2EQ – **Speaker: Adel Younan**

10:15 am – 10:30 am

BREAK in the Exhibition Hall

10:30 am – 12:00 pm

SESSION 2: Fixed & Floating Structures (Offshore Wind)

Moderator: Marc Paquette and Lars Samuelsson

J-REG JIP – Guidelines for Site-Specific Assessment of Jack-ups in Offshore Wind Farms – **Speaker: James Brekke and Alberto Morandi**

Fatigue Reliability of Offshore Wind Turbine Structures: A Case Study – **Speaker: Pretheesh Paul Chaithanya**

Offshore Wind Farm Installations: Perspectives from CVA – **Speaker: Shane Thirkell**

Floating Offshore Wind – **Speaker: Lars Samuelsson**

12:00 pm – 12:45 pm

Lunch

12:45 pm – 2:15 pm

SESSION 3: Integrity Management & Reliability Assessment

Moderators: Sanjay Srinivasan and Frank Puskar

Novel SIM Approaches - Probability-based Life Extension and Inspection Intervals – **Speaker: Adel Younan**

Composite Repairs to Offshore Steels Structures – **Speaker: Peter Hopkins**

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

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

2:15 pm – 2:30 pm

BREAK in the Exhibition Hall

2:30 pm – 4:00 pm

SESSION 4: Metocean and Loads



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Moderators: Oleg Esenkov and Mike Yang

Wind Gust and Loading Formulations for Offshore Structures – **Speaker: Lauren Mudd**

Comparison of API and LOADS Methods to Predict Metocean Loads based on Hurricane Experience in Gulf – **Speaker: Robert Gilbert**

Simple Methods for Conservative Estimates of Wave-in-Deck Loads – **Speaker: Frank Puskar**

Reliability of Offshore Structures with Breaking Waves, Extension and Development – **Speaker: Mathieu Barges**

4:00 pm – 4:15 pm

BREAK in the Exhibition Hall

4:15 pm – 5:00 pm

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

Moderators: Adel Younan and James Stear

Panelists:

1. Frank Puskar (Consultant)

2. David Petruska (bp)

3. Partha Dev (Rosenxt)

4. Doug Angevine (Consultant)

5. Sanjay Srinivasan (Chevron)

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 – 8:45 am

Welcome: Coffee and Breakfast

8:45 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 – **Speakers: Rob Little & Philippe Jeanjean**

Probabilistic Bayesian Calibration of In-situ Soil Data for Geotechnical Uncertainty Quantification – **Speaker: Jungrak Son**

Prediction of drag anchor holding capacity in weak rock seabed and comparison with installation data – **Speaker: Francisco Tafuni**

Reliability of Spud Can Penetration Predictions – **Speaker: Jack Templeton**

10:15 am – 10:30 am

BREAK in the Exhibition Hall

10:30 am – 12:00 pm

SESSION 2: DW Risers

Moderators: Yiannis Constantindes and Steven Wong

BSEE DW Riser IM Expectations – **Speaker: Angie Gobert**

2RD Updates / Highlights of Provisions for Riser IM – **Speaker: Jonathan Bowman**

Full-Scale Riser Monitoring and IM Implications – **Speaker: Dhyan Deka**

Deep draft vs. shallow draft semis, hull VIM, and influence on risers – **Speaker: Elizabeth Bowlin**

12:00 pm – 12:45 pm

Lunch

12:45 pm – 2:15 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 – **Speaker: Muhammed Hafiz**

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

Installing a FPU while inside an Eddy Current during the peak of hurricane season – **Speaker: Tim Jennings**

Marine Operations Standards - A Class Society Perspective – **Speaker: Mike Hoyle**



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2:15 pm – 2:30 pm

BREAK in the Exhibition Hall

2:30 pm – 4:00 pm

SESSION 4: Mobile Units & Actions

Moderators: Harish Pillai and Jack Templeton

Mooring Standards - 2SK / 2I updates – **Speaker: Harish Pillai**

Case Study: Automated Thruster Assist Drilling Operations by Using SRA – **Speaker: Kai Nilsen**

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

Corroded Chain and Structural Evaluation using a Response Surface Model – **Speaker: Andrew Kilner**

2:30 pm – 3:15 pm

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

Moderators: David Petruska and Leile Froufe

Panelists:

1. Lars Samuelsson (ABS)

2. Mark Goldman (BSEE)

3. Brian Gibbs (ROICE Project)

Zach Finucane (Wood Thilsted)

4:45 pm – 5:15 pm

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