2018 Offshore Structural Reliability Conference (OSRC)

September 19-20, 2018 | Norris Conference Center | Houston, Texas

Wednesday, September 19, 2018

Continental Breakfast
7:30 am – 8:15 am

Welcome & Introduction – Adel Younan, ExxonMobil
8:15 am – 8:30 am

Keynote Speaker 1 – James Stear, Chevron
8:30 am – 9:00 am
Fixed Based Structures – Life Extension and Fit-for-Purpose Criteria

Morning Refreshment Break
9:00 am – 9:15 am

Session 1 – Global Standards – Meeting Industry's Changing Needs
9:15 am – 11:00 am

- Presentation – Philip Smedley, BP
- Panel Discussion – Philip Smedley, BP; James Stear, Chevron; Simen Moxnes, Equinor; Adel Younan, ExxonMobil; Jack Kenney, Shell; Moderator – Flavia Rezende, BV
- Audience Q&A – Moderator - Hugh Westlake, BP
- Wrap-Up – Simen Moxnes, Equinor

Lunch
11:00 am – 12:00 pm
Session 2 – Wave Loads
Markku Santala, Chevron and Oliver Jones, BP
12:00 pm – 1:45 pm

- History and Evolution of the Industry Wave Load Recipe – Emmett “Skip” Ward, Former Shell/OTRC, Retired
- Experience in the GOM with Large Hurricane Waves Impacting Structure Decks – Frank Puskar, Former Energo, Retired
- Wave-in-Deck New Findings Plus Wave Load Uncertainty – Ramsay Fraser, BP
- Contrasting Jacket and Floaters Wave Load Concerns – Tim Bunnik, MARIN

Afternoon Refreshment Break
1:45 pm – 2:00 pm

Session 3 – Managing Asset Risk in Late or Extended Life
Doug Angevine, ExxonMobil; Simen Moxnes, Equinor
2:00 pm – 3:45 pm

- Integrity Management and Life-Time Extension of Concrete Platforms – Experience from the North Sea – Oddgeir Dalane, Equinor
- RBI-J – Risk-Based Inspection tool for Offshore Jackets – Michael Birades and Oliver Gillieron, Total
- Jack St. Malo and Big Foot FOI Risk Based Inspection Development – Christopher (CJ) Rose, Chevron; Craig Roberts, Energo
- Managing Asset Risk in Late or Extended Life – Sai Majhi, Chia-Hao Ko, Subir Bhattacharjee, and Doug Angevine, ExxonMobil

Wrap-Up
3:45 pm – 4:00 pm

Reception
4:00 pm – 6:00 pm
Thursday, September 20, 2018

Continental Breakfast
7:30 am – 8:15 am

Introduction – Adel Younan, ExxonMobil
8:15 am – 8:30 am

Keynote Speaker 2 – Paul Versowsky, BSEE
8:30 am – 9:00 am

Floaters – Life Extension and Fit-for-Purpose Criteria

Morning Refreshment Break
9:00 am – 9:15 am

Session 4 – Environmental Criteria & Loads
James Stear, Chevron; Oleg Esenkov, ExxonMobil
9:15 am – 11:00 am

- Wind Hazards – Markku Santala, Chevron
- Regional Deep-Water Currents – George Forristall, Forristall Ocean Engineering
- Regional Soliton Impacts on Offshore Operations – Gus Jeans, Oceanalysis, Ltd.
- Application of a Long Climate Simulation to Improve Estimate of Abnormal Wave Heights – Oliver Jones, BP

Lunch
11:00 am – 12:00 pm
Session 5 – Floaters SIM
David Petruska, BP and Flavia Rezende, Bureau Veritas
12:00 pm – 1:45 pm

- Robustness Concepts in the Design of an FPS: Introduction and Implications for Integrity Management and Life Extension - B. Cheater and Alberto Morandi, GustoMSC; James Brekke, Brekke Offshore Consulting, LLC
- The Role of Maintenance Integrity in a Floating Production System Life Extension - Jason Briggs, Shell Oil
- Driving Advances in Innovative and Disruptive Inspection Technologies in the Offshore Floating Production Market - Pat Lawless, EM&I
- Introduction to API RP’s 2FSIM, 2MIM and 2RIM - Jack Kenney, Shell

Afternoon Refreshment Break
1:45 pm – 2:00 pm

Session 6 – Mooring Systems
Subir Bhattacharjee, ExxonMobil and Alain Ledoux, Total
2:00 pm – 3:45 pm

- Formation of Seabed Trenching from Subsea Inspection Data of Deepwater Gulf of Guinea Moorings – Jean-Louis Colliat-Dangus, Total
- The Influence of Soil Conditions on Mooring Line Trench Formation - Suction Caisson Anchors – Ed Klukey, ExxonMobil/BP, Retired
- Degraded Chain Fitness for Service Assessment Methodology – Justin Crapps, ExxonMobil
- Recent Challenges and Advances in Mooring Design – Dave Smith, ExxonMobil

Panel Discussion – Moderator, Hugh Westlake, BP
3:45 pm – 5:15 pm

- Managing reliability beyond initial design life
  (Different perceptions from operators, regulators, and class)

Conference Wrap-Up
5:15 pm – 5:30 pm