



2014 Offshore Structural Reliability Conference
 SEPTEMBER 16-18 | HOUSTON, TEXAS | USA



Offshore Structural Reliability Conference (OSRC)

Norris Conference Center

September 16-18, 2014 * Houston, Texas

2014 OSRC Technical Program

Current as of July 6, 2014

Sessions
Tuesday, September 16, 2014
Keynote Speaker 1 – History Behind the Development of Limit State (LRFD) Offshore Structures Design Standards
Session 1 – Basic Principles
Session 2 – History & Background
Paper 2.1 – Historical Perspective on the Reliability Design of Offshore Platforms for Earthquakes
Paper 2.2 – Calibration for Shelf Structures
Paper 2.3 – How Reliable are Reliability Calculations?
Session 3 – Environmental Criteria
Paper 3.1 – Approaches for the Probabilistic Modeling for Hurricane-Induced Wind and Waves
Paper 3.2 – Wave Loading on Platform Substructures and Decks Including Consequences for Reliability
Paper 3.3 – Proposed Revisions to the ISO 19901-2 Seismic Provisions
Paper 3.4 – Uncertainty in Ice Actions on Offshore Structures
Wednesday, September 17, 2014
Keynote Speaker 2 – Safety Assessment of Offshore Structures
Session 4 – Calibration Methodologies
Session 5 – Experience with Structural Reliability
Paper 5.1 – GOM Experience
Paper 5.2 – Comparison of Design Requirements and Failure Rates for Mooring Systems
Paper 5.3 – Bayesian Updating the Foundation Strength of the Jacket Structures Offshore Borneo
Session 6 – Reliability Methods
Paper 6.1 – Development of API RP-2A LRFD 2nd Edition
Paper 6.2 – Earthquake Reliability of Onshore Structures and Comparison to Offshore Structures
Paper 6.3 – Low Probability Events with Potential Catastrophic Outcomes
Paper 6.4 – Long Stress Distribution of a Production Semi Mooring System in the GOM

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(Page 2)

Thursday, September 18, 2014 Keynote Speaker 3 – A Forward Looking Vision for Offshore Structural Reliability
Session 7 – Industry Trends
Paper 7.1 – A Methodology for Developing Acceptance Criteria for Storm Hazards for Offshore Structures – Adopting Current Seismic Methodologies
Paper 7.2 – A Methodology for Developing Acceptance Criteria for Storm Hazards for Offshore Structures – Using Storm Hazard Curves
Paper 7.3 – An Examination of FPSO Safety Factors Using Storm Hazard Curves
Paper 7.4 – Towards a Rational Definition of Mooring Line Strength Safety Factors
Session 8 – Response-Based Statistics
Panel Discussion – Forward Vision

For current program and agenda updates (as they become available), time of sessions, registration information, and lodging details, etc., please visit the API Calendar of Events at www.api.org or copy and paste this URL into your browser: <http://www.api.org/events-and-training/calendar-of-events/2014/osrc>.