

Tuesday, 1 May, 1400 to 1630

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GENERAL SESSION: THE PETROLEUM INDUSTRY: NEW REALITIES AHEAD?

Moderator: Mohammed Barkindo, Acting for the Secretary General of OPEC

Keynote: Hasan Qabazard, Director, Research Div., OPEC

Petroleum will continue to be the major source of the world's energy well into the 21st century. Moreover, petroleum resources are plentiful despite some speculation to the contrary. The central issues moving forward relate to deliverability rather than availability. This distinguished panel of experts from OPEC, major research institutions, and national and international oil companies will address the realities ahead for the petroleum industry by discussing resources, investments and supplies, opportunities and potential constraints facing the industry, the importance of the downstream in supporting market stability, the role of producer/consumer dialogue, and how the petroleum industry could deal with new environmental realities.

Panelists:

Arne Walther, Secretary General, Intl. Energy Forum Secretariat

Yasser Mufti, National Representative for Saudi Arabia to OPEC

Sandrine Dixon-Decleve, Executive Director, IFQC

Sadek Boussena, Former Algerian Minister of Energy and Mines, and Professor of Economics, U. of Grenoble; Special Adviser, Société Générale

Edgard Habib, Chief Economist, Chevron Corp.

Adrian Lajous, Senior Energy Advisor, McKinsey & Co.

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FPSO: DESIGN, CERTIFICATION, EVOLUTION, AND OPERATIONS

Session Chairpersons: Izabela Gruen, Exmar
Sam Ryu, SOFEC

1400	18913	Sensing and Understanding Lifetime of New and Converted FPSOs M.L. Kaminski, Marin
1422	18623	A Guideline: Corrosion Protection of Floating Production and Storage Vessels K.P. Fischer, A. Pedersen, Det Norske Veritas
1444	18964	Application of the IACS Common Structural Rules for Oil Tankers to FPSOs R.J. Bamford, G. Stewart, Lloyd's Register EMEA
1506	18776	Risk-Based Classification of Offshore Production Systems M. Tremblay, J. Balesio, B. Montaruli, ABS
1528	18859	How To Maximize the Benefit of Classification of an FPSO P. Biasotto, U. Frorup, Bureau Veritas
1550	18681	From P-34 to P-50: FPSO Evolution C.C. Henriques, F.N. Brandao, Petrobras

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WORLD'S DEEPEST PRODUCTION: INDEPENDENCE PROJECT

Session Chairpersons: Richard Fowler, Dominion E&P
Kevin Renfro, Anadarko Petroleum

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| 1400 | 18836 | Overview From the Owner's Perspective | J. Lytal, R.E. Cordova, Enterprise Products Partners |
| 1422 | 18590 | Codevelopment of Spiderman and San Jacinto Fields | C.M. Vercher, Dominion E&P; D.M. Blakeley, Anadarko Petroleum |
| 1444 | 18587 | Independence Hub: Turnkey Delivery of Ultradeepwater Hull and Mooring System | C. Kindel, Atlantia; O. Rijken, R. Khodr, P. Cao, C. Galvin, MCS; T. van Hofslot, Dockwise; P. Barnett, Enterprise |
| 1506 | 19010 | Topsides Design Challenges of a 1-Billion scf/D Deepwater Gas Hub | M.J. Mahoney, W.K. McAllister, W. Brown, Alliance Engineering |
| 1528 | 18585 | Independence Installation | A. Couch, Atlantia; J. Guion, Enterprise Products Partners; D. Rieth, Atlantia; B. Rager, Offserv Engineering; J. Bouwman, Heerema Marine Contractors |
| 1550 | 18721 | Independence Project Overview: A Producer's Perspective | S.M. Holley, R.D. Abendschein, Anadarko Petroleum |

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EXTENDED-REACH DRILLING: PUSHING BEYOND THE "LIMITS"

Session Chairpersons: Greg Carter, Nautilus Offshore
Riley Goldsmith, Goldsmith Engineering

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| 1400 | 19064 | Redefining the Offshore ERD Envelope: Techniques and Technologies Necessary for an Expanding Frontier | B.M. Foster, T. Krepp, K&M Technology Group |
| 1422 | 19066 | Dynamic Simulations Provide Development Drilling Improvements | M.P. Frenzel, Smith Intl. Inc. |
| 1444 | 18512 | Drillstring Technology Vanguard for World-Class Extended-Reach Drilling | M.J. Jellison, R.B. Chandler, Grant Prideco; M.L. Payne, BP; J.S. Shepard, GlobalSantaFe |
| 1506 | 19067 | Extended Reach: New-Generation Frontier Drilling Rigs | F.J. Husband, G. Bitar, M. Quinlan, Parker Drilling Co. |
| 1528 | 18927 | Combining Latest Technologies Enables Successful Completion of ERD Exploration Project Off the Coast of Tierra del Fuego: Best Practices From a Case Study | D.S. Kulakofsky, A. Oliveira, Halliburton; A.A. Almaraz, Total |
| 1550 | 18508 | Trajectory Risk Index: An Engineering Method To Measure Risks of Multiple-Well Complex Trajectories | Q.J. Liang, Schlumberger |
| 1612 | 18975 | RSS Application From Onshore Extended-Reach Development Wells Shows Higher Offshore Potential | G.L. Alvord, B.D. Noel, L. Galiunas, ConocoPhillips Alaska; V. Johnson, ConocoPhillips, Alaska/Halliburton Sperry Drilling Services; R. Handley, K. Holtzman, S. Pulley, Halliburton Sperry Drilling Services; J. Dennis, Halliburton Security DBS; L. Smith, Halliburton Security DBS/Alaskan Energy Resources |

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LNG PIPELINE, TRANSFER, STORAGE AND SAFETY ISSUES

Session Chairpersons: Eric Foell, Consultant
Rebecca Maitland, *LNG Journal*

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| 1400 | 18701 | Vacuum-Insulated Pipe vs. Conventional Foam-Insulated Pipe | J.J. Curtis, Chart Energy & Chemicals Inc. |
| 1422 | 18542 | Update on Subsea LNG Pipeline Technology | T. Phalen, C.N. Prescott, J. Zhang, T. Findlay, Fluor |
| 1444 | 18781 | Second LNG Joint-Sponsor Project | C. Deetjen, G. Andreassen, Det Norske Veritas |
| 1506 | 18981 | Offshore LNG Storage in Concrete Gravity Caissons: Project Development and Procurement | B.A. Raine, J. Powell, G. Jackson, G. Thomas, Arup Energy |
| 1528 | 18719 | Results of New LNG Transfer Technology Developments and What Possibilities They Foretell | P. Cox, J. O'Sullivan, V. Lehning, Technip |
| 1550 | 18955 | The Mechanical Properties of 36Ni Alloy Filler Metals for Cryogenic Pipeline Applications | B.D. Newbury, D.B. Lillig, P. Sommerfield, ExxonMobil Development; R. Ayer, ExxonMobil Research and Engineering |
| 1612 | 18788 | The Need To Factor Asset Risk Into LNG Terminal Agreement Negotiations | P. Fanailoo, Det Norske Veritas; S.C. Sparling, Sutherland, Asbill & Brennan |

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INTERNATIONAL PERSPECTIVE ON GEOHAZARDS II

Session Chairpersons: Linda Harvik, NGI
Anders Solheim, NGI

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| 1400 | 18532 | Excess Pore Pressure and Slope Failures Resulting From Gas-Hydrates Dissociation and Dissolution | N. Sultan, Ifremer |
| 1422 | 18699 | Gas Seepage and Pressure Buildup at a North Sea Platform Location: Gas Origin, Transport Mechanisms, and Potential Hazards | T.I. Tjelta, G. Svano, Statoil; J.M. Strout, C.F. Forsberg, NGI; S. Planke, VBPR; H. Johansen, IFE |
| 1444 | 18602 | Tsunamis Generated by Earthquakes and Gravity Mass Flows: Recent Studies and Future Challenges for Offshore Geohazards | C.B. Harbitz, F. Lovholt, S. Glimsdal, NGI |
| 1506 | 18737 | Application of Recent Developments in Terrestrial Soft-Sediment Characterization Methods to Offshore Environments | D.J. DeGroot, U. of Massachusetts Amherst; J.T. DeJong, N.J. Yafrate, U. of California Davis; M.M. Landon, U. of Massachusetts Amherst; T.C. Sheahan, Northeastern U. |
| 1528 | 18736 | Quantitative Seafloor Geomorphology and Offshore Geohazards | E. Morgan, Tufts U.; B.G. McAdoo, Vassar College; L. Baise, Tufts U.; D.J. DeGroot, U. of Massachusetts Amherst |
| 1550 | 18650 | Numerical Modeling of Failure Mechanisms in Sensitive Soft Clay: Application to Offshore Geohazards | L. Andresen, H.P. Jostad, ICG/NGI |
| 1612 | 18597 | Dynamic Modeling of Submarine Slide Run-Out/Submarine Mass Movements: Where Do We Stand, and What Are the Main Challenges? | P. Gauer, NGI; F.V. De Blasio, A. Elverhoi, U. of Oslo |

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NEW APPROACHES TO INTEGRITY MANAGEMENT AND ASSET PROTECTION

Session Chairpersons: Steve Perryman, BP America
Chuck Miller, Stress Engineering Services

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| 1400 | 18626 | Marine Monitoring of Gulf of Mexico Deepwater Floating Production Systems M. Irani, S. Perryman, J. Geyer, J.T. Von Aschwege, BP |
| 1422 | 18563 | Implementing Risk-Based Inspection on Our F(P)SOs: From a Practical Approach to the Edge of R&D B. Lanquetin, Total S.A.; J. Goyet, J. Esteve, Bureau Veritas |
| 1444 | 18937 | Integrated Approach to Subsea Integrity Management: Benefits of Early Field Integrity Management Planning for the Tahiti Field R.D. Quinn, W.K. Kavanagh, J. Power, MCS; H.M. Thompson, Chevron |
| 1506 | 18904 | Riser Integrity Management: Recent Advances in the Deepwater Industry Practice M. Chezhian, K.J. Mork, Det Norske Veritas; P. Lespinasse, Total; T. Farrant, BP; M. Soreide, Statoil |
| 1528 | 18912 | Risk-Based Inspection Approaches for Topsides Structural Components M. Truchon, Total; A. Rouhan, J. Goyet, Bureau Veritas |
| 1550 | 18607 | An Independent Remote Monitoring System for Gulf of Mexico Deepwater floating Production Systems J.T. von Aschwege, BP; K. Jassal, DNV; R. Barker, BMT-SMS |
| 1612 | 19039 | Development of an ISO Standard on Marine Operations J. Wichers, WMooring Inc.; E. Andenaes, Aker Kvaerner; B. Bonnemaire, Doris Engineering |