

# Technical Program: Tuesday, 24 October


All technical sessions are located in Pavilion 5, second floor.

0900–1030	Main Auditorium	SE01
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**Opening Session**

**MODERATOR:**  
**Jorge Camargo**, IBP

**SESSION CHAIRPERSONS:**  
**João Carlos de Luca**, OTC Brasil General Chairperson  
**Wafik Beydoun**, OTC Chairman  
**Marcelino Guedes**, Rio Pipeline Chairperson  
**Thomas Loughlin**, ASME Executive Director  
**Pedro Parente**, Petrobras CEO  
**Decio Odone**, ANP General Director  
**Fernando Coelho**, Minister of Mines and Energy



**KEYNOTE SPEAKER:**  
**Lord John Browne**, Consultant

1030–1300	Room 204 B	02
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**Drilling 1**

**SESSION CHAIRPERSONS:**  
**Carlos Pedroso**, Queiroz Galvao Exploration & Production SA  
**Felipe Freitas**, Stress Engineering Services Inc

**1030 28029**  
**An “All Electric” BOP Control System: A Game-Changing Technology**  
 J. Dale, M. Rod, Electrical Subsea & Drilling AS; T.B. Howes, Well Design Solutions LLC

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**1055 281604**  
**Risk Mitigation on Deepwater Drilling Based on 3D Geomechanics and Fit-For-Purpose Data Acquisition**  
 C.A. Pedroso, J.B. Salies, Queiroz Galvao Exploration & Production SA; B. Holzberg, M. Frydman, J. Pastor, Schlumberger

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**1120 28081**  
**Challenges of Drilling Operations in Extreme Water Depths**  
 J. Capeto, M.J. Stahl, K. Bhalla, D.J. Kluk, Stress Engineering Services, Inc.

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**1145 28112**  
**Soil Modelling Calibration Using Measured Data**  
 G.C. Venero, L.M. De Vale, A. Diezel, V. De Paula Gomes, R.T. Fachini, H. Corrigan, Wood Group

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**1210 28006**  
**Simultaneous Effect of Salt Creep and Dissolution in Caliper Prediction During Drilling Operations**  
 B.F. Da Silva, G.C. Longhin, Simworx Engineering R&D; A.A. Waldmann, A.L. Martins, R.F. Lomba, Petrobras

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**1235 28069**  
**Geomechanical Model and Wellbore Stability Analysis of Brazil’s Pre-Salt Carbonates, a Case Study in Block BM-S-8**  
 C.F. Da Silva, Pontificia Universidade Católica do Rio de Janeiro (PUC-Rio); C. Rabe, Baker Hughes, a GE Company; S. Fontoura, Pontificia Universidade Católica do Rio de Janeiro (PUC-Rio)

1030–1300	Room 204 A	01
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**Exploration**

**SESSION CHAIRPERSONS:**  
**Andre Luiz Massa**, Genesis Oil & Gas Consultants  
**Igor Viegas**, Petrobras

**1030 28152**  
**Improved Ocean Current Estimation using a Seismic Streamer Model**  
 J. Grindheim, IMT at Norw. Univ. of Life Sciences (NMBU), Norway; and Laboratório de Ondas e Correntes (LOC), UFRJ; I. Revhaug, Norwegian University of Life Sciences (NMBU); K. Welker, Geograf AS

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**1055 28089**  
**Closed-Loop Field Development Under Geological Uncertainties: Application in a Brazilian Benchmark Case**  
 D.M. Hidalgo, A.A. Emerick, Petrobras; P. Couto, J.L. Alves, Federal University of Rio de Janeiro

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**1120 28147**  
**Salt Heterogeneities Characterization in Pre-salt Santos Basin Fields**  
 P.M. Barros, J. Fonseca, L.M. Silva, A. Maul, T. Yamamoto, T. Meneguim, L. Queiroz, T. Toribio, A.F. Martini, F. Golbatto, Petrobras; M. Gonzalez, Paradigm

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**1145 28001**  
**Formation Oil Characterization in Oil-Based Mud Environments Using Blind Deconvolution in NMR Data**  
 M. Barroso Fouraux, H. Tomoto, R. Senne, Halliburton; A.C. Reis, Petrobras

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1030-1300	Room 204 C	03
<b>Flow Assurance</b>		
<b>SESSION CHAIRPERSONS:</b> Reda Bouamra, Onesubsea Ricardo Camargo, Petrobras		
1030	28120	
<b>Wax Removal Procedure Used in Pre-Salt Oil Well</b> T. Andreotti, J.A. Rodini Neto, J.C. Lorenzetti, Petrobras		
1055	28106	
<b>On the Hydrodynamic Aspects of the Carbonate Scale Formation Process in High Flow Rate Wells</b> R.S. Maciel, R. de Paula Cosmo, F. Simoes Maciel, F. Ressel Pereira, D. da Cunha Ribeiro, UFES; W. Aldeia, Instituto de Pesquisas Tecnologicas do Estado de Sao Paulo; A.L. Martins, Petrobras		
1120	27956	
<b>A Physical Model for Scale Growth During the Dynamic Tube Blocking Test</b> H.L. Santos, B.B. Castro, M. Bloch, A.L. Martins, H. Schluter, M.F. Da Silva, C.C. Jacinto, F.F. Rosário, Petrobras		
1145	28142	
<b>Oil-Water Pipe Flow Dispersions - From Traditional Flow Loops to Real Industrial Transport Conditions</b> A. Shmueli, H. Schümann, T. Unander, SINTEF Petroleum AS		
1210	28111	
<b>Study of the Effect of Monoethylene Glycol (MEG) on the Precipitation of Calcium Carbonate in a Pressurized Dynamic System</b> V. Kartnaller, F.D. Venancio, J. Cajaiba, Universidade Federal do Rio De Janeiro; F. Rosário, Petrobras - CENPES		
1235	28043	
<b>Synergistic Combination of Products for Optimization of Oil Well Production and H<sub>2</sub>S Reduction</b> R.C. Silva, M. Pazinato, J.B. Marcorigli, Dorf Ketal; P. Dias, T.P. Sampaio, Petrobras; J. Bitencourt, A.W. Hanna, J. Paprocki, M.T. Gomes, R.B. Rocha, Dorf Ketal		

1030-1300	Room 210	04
<b>Regulation and Local Content</b>		
<b>SESSION CHAIRPERSONS:</b> Eduardo Neiva, Petrobras Elizabeth Creed, Kongsberg Underwater Technology Inc.		
1030	27994	
<b>Field Decommissioning Obligations in Brazil: The Differences and Impacts of Current Methodologies for Concessions and Sharing Regimes in Light of Investment Attraction</b> F. Gaspar, K. Bilda, Shell Brasil		
1055	27996	
<b>Unitization Involving Non Contracted Area: Comparison Between Contractual Models</b> C.V. Da Silva, D.D. Bonolo, Petrobras		
1120	28146	
<b>Evaluation of Social and Economic Impacts of Local Content Management in Oil &amp; Gas and Shipbuilding Industry in Brazil: An Application of Input-Output Analysis</b> S.R. Furtado, E.D. Junior, Petrobras; M.F. Ludovico, PUC-Rio		
1145	28010	
<b>Industrial Policy and Local Content: Brazil's Pre-Salt Area Case</b> F.D. de Jesus, J. Gomes da Silva, T. Roitman, FGV Energia		
1210	28072	
<b>Fiscal and Contractual Hurdles for Establishing Asset Sharing Agreements in Offshore Operations</b> M.C. Santoro, M.J. Tavares, M.P. Almeida, V.F. Ribeiro, Petrobras		
1235	28076	
<b>Multiphase Flow Measurement: Advantages and Brazilian Regulation</b> H.C. Saad, L.C. Ribeiro, ANP - Agencia Nacional Do Petroleo; M. Oliveira, UFF - Universidade Federal Fluminense		

1030-1300	Room 211	05
<b>Special Aspects on Fluids Processing</b>		
<b>SESSION CHAIRPERSON(S):</b> Darley Carrijo de Melo, Petrobras		
1030	28097	
<b>New Technologies For Cost Effective Offshore Compression Stations</b> S. Falomi, G.F. Lurisci, D. Matina, M. Bigi, V. Bisio, Baker Hughes, a GE Company		
1055	28022	
<b>Offshore Production Loop Decommissioning Using Filter Press and Oil Absorbent Media</b> G.A. Ewbamk, Halliburton		
1120	28118	
<b>Planned Shutdown Time Optimization Using Lean Six Sigma</b> F.d. Matos, T.D. Pereira, Radix Engineering; C.H. Bonini, D.M. Carocha, Chevron		
1145	28204	
<b>The Use of Design of Experiments for Development of Flocculating Agents for Treatment of Crude Oil Emulsions</b> F. Rezende, R.B. Rabelo, P. Filho, Oxiteno S.A. Industria e Comercio		

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1300–1430	Room 101 B	SE02
<p><b>Topical Luncheon: Opportunities for the Oil Business in Brazil</b></p> <hr/> <p><b>SESSION CHAIRPERSON:</b> Jorge Camargo, IBP</p> <p><b>SPONSORED BY</b></p> 		
		<p><b>SPEAKER:</b> Fernando Coelho, Minister of Mines and Energy</p>

1430–1700	Room 204 B	06
<p><b>Geology</b></p> <hr/> <p><b>SESSION CHAIRPERSONS:</b> Cristiano Sombra, Petrobras Frances Abbots-Guardiola, Shell Brazil E&amp;P</p>		
1430	28159	<p><b>Campos and Santos Basins: 40 Years of Reservoir Characterization and Management from Shallow- to Ultra-Deep Water, Post- and Pre-Salt Reservoirs - Historical Overview and Future Challenges</b></p> <p>C.H. Bruhn, A.C. Pinto, P.R. Johann, C.C. Branco, M.C. Salomao, E.B. Freire, Petrobras</p>
1455	28004	<p><b>Development and Evaluation of Ocean Bottom Hybrid Joint Box System for Real-time Communication and Monitoring in Deep Seabed</b></p> <p>T. Kimura, E. Araki, T. Yokobiki, K. Kawaguchi, Japan Agency for Marine-earth Science and Technology; N. Fujiwara, K. Hishiki, Y. Yonezaki, NESIC</p>
1520	28007	<p><b>Assessment of Cold Water Injection Geomechanical Effects on Brazilian Pre-Salt Reservoirs and on its Saline Caprocks</b></p> <p>R. Fernandes Do Amaral, G.S. Seabra, J.P. Laquini, Petrobras</p>
1545	27957	<p><b>Fault Reactivation in Compartmentalized Reservoirs: Effect of Fault Transmissibility Enhancement on Pressure Transient Behavior</b></p> <p>O. Molina, M. Zeidouni, Louisiana State University</p>
1610	28015	<p><b>Integration of Ensemble Data Assimilation and Deep Learning for History Matching Facies Models</b></p> <p>S.W. Arauco, Pontifical Catholic University of Rio de Janeiro; A.A. Emerick, Petrobras; M.C. Pacheco, Pontifical Catholic University of Rio de Janeiro</p>

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1430–1700	Room 204 C	07
<b>Completions</b>		
<b>SESSION CHAIRPERSONS:</b> Augusto Hougaz, Petrobras Felipe Freitas, Stress Engineering Services Inc		
<b>1430</b>	<b>28102</b>	
<b>First Openhole Intelligent Well Completion in Brazilian Pre-salt</b> E. Schnitzler, L.F. Goncalvez, W.M. Ascano, F.F. Goncalves, R.S. Almeida, M. Marques, Petrobras		
<b>1455</b>	<b>27983</b>	
<b>Cableless Intelligent Well Completion Development Based on Reliability</b> M.F. Da Silva Jr, C.C. Jacinto, C. Hernalsteens, M. Nobrega, M. Defilippo Soares, E. Schnitzler, L.B. Nardi, Petrobras		
<b>1520</b>	<b>27992</b>	
<b>Production Experience of ICD/AICD for Heavy Oil at the Peregrino Field</b> S.V. Araujo, A. Bolliger, C. Pettan, S.M. Erlandsen, I.L. Leitao Junior, Statoil		
<b>1545</b>	<b>28040</b>	
<b>Use of Autonomous Inflow Control Device (AICD) Within a Horizontal Gravel Pack Completion in a Depleted Reservoir Well</b> L. Netto, L. Xavier, G. Corona Cortes, R.F. Valinho, Halliburton		
<b>1610</b>	<b>28056</b>	
<b>Intelligent Completions as a Key Technology in the Brazilian Presalt</b> D. Rodrigues, L.B. Minassa, R. da Silva Nunes, L. Costa, Halliburton		
<b>1635</b>	<b>28136</b>	
<b>First O3 Zone Intelligent Completion in the Brazilian Pre-Salt: Design Considerations, Challenges and Lessons Learned</b> F. Del Vecchio, P. Maciel, F.J. Salom, J.V. Chagas, A.J. Ortiz, Baker Hughes, a GE Company		

1430–1700	Room 210	08
<b>Riser System and Pipelines</b>		
<b>SESSION CHAIRPERSONS:</b> Rajiv Aggarwal, Consultant Alex Dal Pont, Petrobras		
<b>1430</b>	<b>28101</b>	
<b>Developments and Optimizations in the Pre-Salt Risers Systems: From Initial Technical Challenges up to Future Expectations</b> R.C. De Oliveira, V. Gasparetto, E. Oazen, S.F. Senra, L.L. Aguiar, C.J. Valenca, D.L. Lima, W.C. Júnior, C. Lemos, Petrobras		
<b>1455</b>	<b>28013</b>	
<b>Technical Feasibility Study of Steel Catenary Risers for Pre-Salt Field Developments</b> R.M. Brito, L.L. Aguiar, V.G. Prado, Petrobras		
<b>1520</b>	<b>28084</b>	
<b>Nemo Hybrid System - A Novel Field Joint Solution</b> N. Cunha, Shawcor (Pipeline Performance)		
<b>1545</b>	<b>28114</b>	
<b>Pre-Lay of Flexible Risers in Lazy Wave Configuration in Pre-Salt Projects: Overcoming Technical Challenges and Enabling Installation</b> S. Laquini, P. Fernandes, B.d. Costa, C.A. Delalibera, P. Moura, F. Gonçalves, C.O. Costa, J. Oliveira, M. Pereira, R. Oliveira, Petrobras		
<b>1610</b>	<b>28063</b>	
<b>Planning and Execution of Pigging Procedure for Gas Pipeline</b> M.H. Carvalho, E. Rotava, Petrobras		
<b>1635</b>	<b>28054</b>	
<b>Long Tiebacks for Life Extension of Existing Offshore Facilities - A Novel Solution for Flowline Wet Insulation</b> A. Rebello, Stress Engineering Services, Inc.; L. Alexander, L. Alexander Consulting LLC.		

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1430–1700	Room 211	09
<b>MPD &amp; Fluid Technologies</b>		
<b>SESSION CHAIRPERSONS:</b> Gleber Teixeira, Petrobras Thiago Fernandes, Total E&P		
1430	27990	
<b>Evolution of Control Strategies To Minimize Pressure Fluctuation During Connections in MPD Deepwater Operations</b> E. Grein, C. Dammenhauer, M. Cruz, F. Silva, ESSS; A.L. Martins, G.S. Vanni, Petrobras; V. Ribeiro, M. Vega, Federal Rural University of Rio de Janeiro		
1455	28139	
<b>MPC Successful Application in Deepwater Exploration: Case Study</b> A. De La Cruz Sasso, Halliburton; T. Pinheiro Da Silva, P.R. Brand, Blade Energy Partners		
1520	28049	
<b>Surface Plasmon Sensors for Fluid Analysis in Upstream Oil</b> O. Monteiro, R. Suresh, A. Chandran, Baker Hughes Inc		
1545	28130	
<b>Saving Capex on Further Development of Complex Mature Fields With MPD in Deep Water Drilling - Roncador Case</b> O. Campos, Petrobras		
1610	28025	
<b>New Fiber Technology to Improve Mud Removal</b> B.S. Engelke, D. Petersen, F. Moretti, L.A. Halla, R.H. Becker Dorner, L. Pagani, R. Revilla, A. Martinez Melo, Schlumberger		

1430–1700	Room 203 A	SE03
<b>New Technologies and Innovation Solutions for the New Oil &amp; Gas Market</b>		
<b>SESSION CHAIRPERSONS:</b> Marcelo Taulois, Scatec Solar Brasil		
<b>PANELISTS:</b> Sergio Sabedotti, GE Global Research Henri Houlevigie, Total David Ellis, KBR Udo Dengel, Air Liquide Vinicius Girardi Silva, ESSS		

1430–1700	Room 203 B/C	SE04
<b>New Alliances in the Subsea Market - What Operators Can Expect?</b>		
<b>SESSION CHAIRPERSON:</b> Cristina Pinho, Petrobras		
<b>PANELISTS:</b> Luis Araujo, CEO, Aker Solutions Bradley Beitler, Executive Vice President Technology and R&D, TechnipFMC Don Sweet, Vice-President Integrated Solution and Sales, OneSubsea Jesus Grande, Latin America President, Baker Hughes, a GE Company		

1430–1700	Room 204 A	SE05
<b>Offshore EOR: Recovery Factor Optimization in Ultra Deepwater Fields</b>		
<b>SESSION CHAIRPERSONS:</b> Stephen Goodyear, Shell Austin Boyd, Schlumberger		
<b>PANELISTS:</b> Joerg Meyer, Schlumberger Paulo Couto, Universidade Federal do Rio de Janeiro Philip Bogaert, Shell Brazil E&P Priscila Moczydlower, Petrobras Christian Deplante, Total		

1430–1700	Room 207	SE06
<b>Leadership Summit</b>		
<b>SESSION CHAIRPERSONS:</b> Fernando Frimm, GustoMSC Inc. Carlos Fraga, GranEnergia		
<b>SESSION MODERATOR:</b> Renato Bertani, Barra Energia		
<b>PANELISTS:</b> Antonio Carlos C. Pinto, Petrobras Barbara Cavalcante, QGEP Paulo Couto, TechnipFMC Leonardo Bernardo, TechnipFMC Steve Balint, Shell Aline Pinho, ABS Segen Estefen, UFRJ Marcelo Igor Lourenço, UFRJ Carla Lacerda, ExxonMobil Diego Gracioso, Shell Milton Costa Filho, IBP		

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0930–1200	Room 204 B	10
<b>Reservoir Engineering</b>		
<b>SESSION CHAIRPERSONS:</b> Luiz Schmall, Petrobras Olivier Wambersie, Shell		
<b>0930</b>	<b>28161</b>	
<b>Uncertainty Analysis in Well Test Interpretation - The Conservation Principles</b> L.K. Kubota, Petrobras		
<b>0955</b>	<b>27993</b>	
<b>Optimizing Production of Santos Basin Pre-Salt Fields Through Sound Reservoir Management Practices</b> J.O. Pizarro, R.E. Poli, M.B. Rosa, V. Silva, C.C. Branco, B. Cunha, M. Doria, N. Alles, D. Batello, A.C. Pinto, Petrobras		
<b>1020</b>	<b>28110</b>	
<b>NMR Petrophysics on Rocks Saturated with Alcohol: an Alternative Core Analysis Workflow</b> H.C. Saad, ANP - Agencia Nacional Do Petroleo; L.C. Ribeiro, UFF - Universidade Federal Fluminense		
<b>1045</b>	<b>28153</b>	
<b>Application of a Methodology To Incorporate Probabilistic Data From two Technologies: Reservoir Simulation Models and 4D Seismic</b> G.S. Assuncao, A. Davolio, D.J. Schiozer, University of Campinas (UNICAMP)		
<b>1110</b>	<b>28020</b>	
<b>On the Use of Ocean Tide Model Driver, TMD, as a Filter to Recover Reservoir Signal from Well Test Pressure History</b> E.A. De Oliveira, C.P. Junqueira, Petrobras		
<b>1135</b>	<b>27955</b>	
<b>How To Improve the Use of PDG Data on Injector Wells: A Temperature Build-Up Approach</b> V.C. Silva, K. Glitz, Petrobras		

0930–1200	Room 204 C	11
<b>Control and Equipment</b>		
<b>SESSION CHAIRPERSON:</b> Eduardo Coelho, Petrobras Howard Painter, Sunfish Engineering		
<b>0930</b>	<b>27997</b>	
<b>DC/FO A Lean and Powerful DC Subsea Control Infrastructure</b> R. Michel, E. Bouvart, O. Courtois, M. Genot, G. Huchet, A. Lecroart, Alcatel Submarine Networks		
<b>0955</b>	<b>28162</b>	
<b>Standard Multiplexed Subsea Control Systems in the Brazilian Pre-Salt Projects</b> A. Rabello, D. Neto, E. Coelho, E.P. Seraco, W. Destro, Petrobras - Petroleo Brasileiro S.A		
<b>1020</b>	<b>27987</b>	
<b>Subsea Fibre Wet-mate Connectors: Achieving the Balance Between Consistent Optical Performance, Product Cost and Compact Size</b> E. Saxton, H.E. Parente, Siemens Subsea		
<b>1045</b>	<b>27967</b>	
<b>Installation of Manifolds: A Success Story</b> L.T. Costa, U.A. Lima, Petrobras		
<b>1110</b>	<b>27959</b>	
<b>SESV Operations - Seven Years of Highly Reliable Solution</b> U.A. Lima, M. Dendena, F.R. Ribeiro, B.F. Sewald, P.A. Pereira, Petrobras		
<b>1135</b>	<b>27954</b>	
<b>Completion of Successful Multistage Sliding Sleeve Fracpack in the Campos Basin</b> R. Correa, C.L. Cova, Halliburton		

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0930–1200	Room 210	12
<b>Production Optimization</b>		
<b>SESSION CHAIRPERSONS:</b> Henrique Conti, Repsol Sinopec Brasil Hoss Shariat, KBR		
<b>0930</b>	<b>28096</b>	
<b>Integrated Asset Modelling for Brazil Ultra Deep Water Development Project</b> F. Garcia Ruiz, G. Ponce, Repsol; M. Cavadinha, R. Sauve, J.A. Rojas, Schlumberger		
<b>0955</b>	<b>28009</b>	
<b>Intelligent System for Start-up and Anti-Slug Control of a Petroleum Offshore Platform</b> M.M. Campos, L.D. Ribeiro, F. Diehl, C. Moreira, D. Bombardelli, A. Carelli, G. Junior, S. Pinto, Petrobras; B. Quaresma, PUC-Rio/Tecgraf		
<b>1020</b>	<b>27995</b>	
<b>Short-Term Production Optimization Using a Model of The Peregrino Field, Brazil</b> Ø. Kristoffersen, M.E. Stanko, Norwegian University of Science and Technology; A. Hoffmann, Petrostreamz AS		
<b>1045</b>	<b>28042</b>	
<b>Integrated Production Management Solution for Maximized Flow Assurance and Reservoir Recovery</b> R. Bouamra, C. Vielliard, K. Spilling, F. Nilsen, Schlumberger		
<b>1110</b>	<b>28088</b>	
<b>Low-Cost, Rigless, Nonintervention Well Testing</b> D. Engel, R. Margotto, V. Azevedo, Halliburton		
<b>1135</b>	<b>28104</b>	
<b>Dynamic Model for Production Optimization to Offshore Platforms with Short-Time Machine Failures</b> B.F. Vieira, Petrobras Cenpes; V.R. Rosa, F.F. Arraes, A.F. Teixeira, Petrobras		

0930–1200	Room 211	13
<b>Emerging Technologies</b>		
<b>SESSION CHAIRPERSONS:</b> Cassio Kuchpil, Petrobras Thomas Leize, Shell		
<b>0930</b>	<b>28039</b>	
<b>Plain Sailing? Observations of Cybersecurity and Network Health Problems in Control Systems at Sea</b> M.J. Csorba, C. Ramos De Carvalho, S. Boff, DNV GL		
<b>0955</b>	<b>28129</b>	
<b>MPC Advanced Control of an Offshore Gas Compression System</b> A. Plucenio, J. Normey-Rico, C. Vettorazzo, Universidade Federal de Santa Catarina; M.M. Campos, M. Lopes De Lima, Petrobras Cenpes		
<b>1020</b>	<b>27977</b>	
<b>Deployment of Electro-Mechanical Cutting Tool on Intelligent Coiled Tubing for Horizontal Wells</b> R. De Paula Carvalho, R.W. Barros, F. Toloí Gastaldo, A. Teixeira Amorim, J.N. de Andrade Moreira, Baker Hughes, a GE company; D. Silva Gomes, Oil Service Company		
<b>1045</b>	<b>28138</b>	
<b>Benefits of Using an Electric Choke for Subsea Applications</b> A. Rubio, H. Abu Zeid, J.H. Meyer, OneSubsea		
<b>1110</b>	<b>28105</b>	
<b>Cost, Efficiency, and Environmental Considerations of Medium Voltage Electric Heating Technology</b> C. Molnar, Chromalox		
<b>1135</b>	<b>28065</b>	
<b>Optimization and Application of Cluster Horizontal Well Drilling Technologies and Foamy Oil Flow in ML Block, Venezuela</b> F. Jin, W. Xi, CNPC Research Institute of Petroleum Exploration & Development, CNPC Drilling Research Institute; Z. Shunyuan, CNPC Drilling Research Institute		

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0930–1200	Room 212	14
<b>Wells Construction and Abandonment</b>		
<b>SESSION CHAIRPERSON(S):</b> Fernando Machado, Petrobras João Batista, Helix		
<b>1430</b>	<b>28052</b>	
<b>Designing Fluid Properties To Minimize Barite Sag and its Impact on Annular Pressure Build Up Mitigation in Producing Offshore Wells</b>		
L.A. Calcada, C.M. Scheid, L. Meleiro, B. Oechsler, Federal Rural University of Rio de Janeiro; F. Fagundes, N. Santos, F. Arouca, J. Damasceno, Federal University of Uberlandia; E. Souza, A. Waldmann, A.L. Martins, Petrobras		
<b>1455</b>	<b>27980</b>	
<b>Successful Application of Cased and Perforated Completions in Deepwater</b>		
S. Sathyamoorthy, A.P. Singh, L. Odai, S.K. Ampim, K. Amaning, T. Boakye Boahen, Tullow Ghana Limited		
<b>1520</b>	<b>28103</b>	
<b>Intelligent Completions used During Extended Well Test of Exploratory Wells in Brazil</b>		
L. Costa, D. Rodrigues, R. da Silva, I. Souza, M.A. Fernandes, Halliburton		

0930–1200	Room 212	14
<b>Wells Construction and Abandonment (continued)</b>		
<b>1545</b>	<b>28011</b>	
<b>WSOG and Emergency Disconnection Guidelines</b>		
D.F. Cruz, D.R. Fonseca, Petrobras		
<b>1610</b>	<b>28070</b>	
<b>Riserless Open-Water Abandonment Module: Allowing Open-Water Tubing Pulling in a Safe and Environmentally Contained Manner</b>		
J. Batista, Helix do Brasil; D. Carr, Helix WellOps		
<b>1635</b>	<b>27998</b>	
<b>How Technology and an Integrated Project Approach Help Reduce Well Liability Costs During the Decommissioning Phase</b>		
J.T. Giskemo, F. Marcancola, Halliburton		



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All technical sessions are located in Pavilion 5, second floor.

**0930–1200** **Room 203** **SE07**

## Safety in the New Deepwater World

**SESSION CHAIRPERSON:**  
Henrique Paula, ABS

**PANELISTS:**  
Vinicius Rodrigues, Shell  
Marcel Katekawa, Petrobras  
Marcelo Mafra Macedo, ANP  
Kenneth Richardson, ABS Americas  
Robert Spong, Energo  
Kjell Bersaas, Statoil

**1215–1345** **Room 101 B** **SE10**

## Topical Luncheon: Awards Luncheon

**SESSION CHAIRPERSON:**  
João Carlos de Luca,  
OTC Brasil General Chairman

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**SPEAKER:**  
Pedro Parente, Petrobras CEO

**0930–1200** **Room 204 B/C** **SE08**

## Exploration and Development in Brazil: Opportunities, Challenges, and Perspective

**SESSION CHAIRPERSONS:**  
Sylvia Anjos, Petrobras  
Fernando Borges, Petrobras

**PANELISTS:**  
Eliane Petersohn, Chief Geologist, ANP  
Maxime Rabilloud, E&P CEO, Total Brasil  
Renato Bertani, CEO, Barra Energia  
Ricardo Bedregal, President, IHS Markit Brazil  
Javier La Rosa, President, Chevron Brasil  
Joris Grimbergen, General Manager – Exploration, Shell Brasil  
Carla Lacerda, President, Exxon Mobil Brazil  
Hercules Ferreira da Silva, Director of Contract Management, PPSPA

**1400–1630** **Room 204 A** **15**

## Formation Evaluation and Reservoir

**SESSION CHAIRPERSON(S):**  
Denis Schiozer, Unicamp  
Conrado Keidel, Petrobras

**1400 28098**  
**Biophysical Characterization of Carbonates Heterogeneity**  
L.O. Pires, G.L. Fiorelli, A. Winter, O.V. Trevisan, Universidade Estadual De Campinas

**1425 28143**  
**Effects of Calibrated Water Into Carbonate Dissolution**  
R. Nunez, E.T. Koroishi, O.V. Trevisan, Universidade Estadual De Campinas;  
R.D. Freitas Filho, Repsol Sinopec

**1450 28095**  
**Direct Pore-level Examination of Hydraulic-Electric Analogy in Porous Media**  
B. Goudarzi, P. Mohammadmoradi, A. Kantzas, University of Calgary

**1515 27963**  
**Flow Rate Measurement Using Test Separator and PDG Data Allows Individual and Commingled Production Zone Flow Rate History Calculation**  
A. Coimbra de Oliveira, E.A. Puntel de Oliveira, Petrobras

**1540 28061**  
**Application of the Delta Transient Method to Multi-Rate Tests: A Method for Calculating Individual Layer Permeability and Skin in a Multilayered Reservoir Using Production Logging Data**  
C. Guimaraes, M.D. Galvao, Petrobras

**1605 28209**  
**Reservoir Development with OCTOPUS: Drainage Plan Decisions Supported by an Artificial Intelligence System**  
M.A. Cardoso, Petrobras; M.C. Pacheco, A.C. Abreu, PUC-Rio;  
L.F. Mendonza, UERJ

**0930–1200** **Room 204 A** **SE09**

## Lessons Learned and Subsea Development in Mature Offshore Provinces

**SESSION CHAIRPERSONS:**  
Marcello Roberto, Petrobras  
Edson Labanca, OGPAr

**PANELISTS:**  
Birger Velle Hanssen, OneSubsea  
Eduardo Oazen, Petrobras  
Sonja Hauge, Aker Solutions  
Lincoln Facundo, TechnipFMC  
Andre Mærli, Statoil ASA  
Marcio Pereira, GE Oil and Gas

# Technical Program: Wednesday, 25 October

All technical sessions are located in Pavilion 5, second floor.

1400–1630	Room 204 B	16
<b>Innovative Processing: Subsea, Topside &amp; FLNG</b>		
<b>SESSION CHAIRPERSONS:</b>		
Hoss Shariat, KBR		
Dalmo Zerbini, OneSubsea LLC		
1400	28079	
<b>New Technologies for Enhanced Production in Deepwater and Long Subsea Tiebacks</b>		
B.V. Hanssen, A. Hagland, OneSubsea Processing		
1425	28086	
<b>Liquefaction Technology Considerations for Floating LNG</b>		
S. Tierling, D.A. Attaway, KBR		
1450	27988	
<b>Technical-Economic Evaluation of Microfiltration Polymeric Membranes as Pretreatment of Offshore Sulfate Removal Units</b>		
T.N. dos Santos, L. Yokoyama, UFRJ; G.G. Lage, Petrobras		
1515	28066	
<b>The Use of CFD Simulations To Compare and Evaluate Different Sizing Algorithms for Three-Phase Separators</b>		
T.G. Ahmed, F. Hamad, P.A. Russell, Teesside University		
1540	28027	
<b>Nonlinear Model Predictive Controller Applied to an Offshore Oil and Gas Production Facility</b>		
S. Simoes Neto, Petrobras; A.R. Secchi, Universidade Federal do Rio de Janeiro		
1605	28109	
<b>Predicting and Detecting Equipment Malfunctions Using Machine Learning</b>		
P.D. Bangert, Algorithmica Technologies Inc.		

1400–1630	Room 204 C	17
<b>Cementing</b>		
<b>SESSION CHAIRPERSON:</b>		
Jacques Salies, Queiroz Galvao Exploration & Production SAO		
Cristiane Richard de Miranda, Petrobras		
1400	28149	
<b>Temperature Development in Coiled Tubing Cementing Operations in Deepwater Environments</b>		
L.A. Calçada, C. Scheid, E. Paraiso, L. Pereira Filho, C. Pereira, Federal Rural University of Rio de Janeiro; J.S. Rocha, A.L. Martins, Petrobras		
1425	28067	
<b>Application of Lasers for Perforation of Petroleum Wells</b>		
M.G. da Silva, Petrobras; A.M. Braga, G.V. de Faria, PUC-Rio; F.F. Rosario, Petrobras		
1450	27968	
<b>Enhanced Cement Bond Evaluation in Thick Casing Utilizing Guided Acoustic Modes Generated by Electromagnetic Acoustic Transducers</b>		
D.J. Patterson, S. Ingram, P. Matuszyk, X. Yao, R. Das, R. Steinsiek, Baker Hughes, a GE company		
1515	27970	
<b>First Application of Foamed Cement for Production Operation in Ultradeepwater Well: Case History</b>		
T. Antunes, R. Blanc, J. Fiorotti, T. Oliveira, M.V. Perez, Halliburton		
1540	27960	
<b>Ultra Deepwater Salt Zone Cementing in Gulf of Mexico Wells</b>		
V. Vallejo, A. Olivares, D. Salinas, PEMEX; R. Giron Rojas, Schlumberger		
1605	28060	
<b>Tailored and Reliable Method for Cement Plug Improves Times in Deep Water</b>		
L.F. Souza, A. De La Cruz Sasso, H. Munoz, Halliburton		

# Technical Program: Wednesday, 25 October

All technical sessions are located in Pavilion 5, second floor.

1400–1630	Room 210	18
<b>Multiphase Flow &amp; Solids</b>		
<b>SESSION CHAIRPERSONS:</b>		
Amadeu Sum, Colorado School of Mines		
Joao Carneiro, SINTEF		
1400	IP	
<b>Developing the Knowledge Gap for Gas Hydrates in Multiphase Flow</b>		
A.K. Sum, Colorado School of Mines		
1425	28116	
<b>Sand Management and Erosion in Oil &amp; Gas Production Systems - Analysis and Prediction Tools</b>		
E. Gharaibah, Y. Zhang, Baker Hughes, a GE Company - Flow Assurance		
1450	28087	
<b>Evaluation of Gas Hydrates Operation Zone to Establish an Optimal Hydrate Management Strategy</b>		
M. Fossen, A.A. Shmueli, SINTEF Petroleum AS		
1515	IP	
<b>Application of Mechanistic Erosion Criteria in a Deepwater Development</b>		
F. Garcia Ruiz, Repsol		
1540	IP	
<b>The importance of the Dispersed Phase Topology and Properties Into the Methane Hydrate Crystallization Kinetics and Transport</b>		
A. Cameirao, Ecole des Mines de St. Etienne		
1605	27952	
<b>Investigate the Effectiveness of Eco Friendly Bio-Oils on The Inhibition of Asphaltene Precipitation in a Kuwaiti Crude Oil</b>		
H. Alrashidi, S. Afra, H.A. Nasr-El-Din, Texas A&M University		

1400–1630	Room 203 A	SE11
<b>New Developments in Ultra-Deep in South America</b>		
<b>SESSION CHAIRPERSON:</b>		
Rajiv Aggarwal, Consultant		
<b>PANELISTS:</b>		
Roald Lokken, ExxonMobil Upstream Research Co.		
Carlos Mastrangelo, SBM Offshore		
Luiz Feijo, ABS		
Russell McBeth, TechnipFMC		

1400–1630	Room 203 B/C	SE12
<b>Libra Development</b>		
<b>SESSION CHAIRPERSON:</b>		
Stephen Balint, Shell		
<b>PANELISTS:</b>		
Fernando Borges, Petrobras		
Paulo Rovina, Petrobras		
Flavio Jose, Halliburton		
Marcel Wieggers, Seadrill		
Ricardo Toneto, Petrobras;		
Marcelo Aragão, TechnipFMC		
Fabio Queiroz, Petrobras		
Jorge Mitidieri, Odebrecht		
Francisco Costa, Petrobras		

1630–1830	Main Auditorium	SE13
<b>Opportunities for New Players in the Pipeline Transportation of Offshore Production in Brazil</b>		
<b>SESSION CHAIRPERSON:</b>		
Alex Dalpont, Petrobras		
<b>PANELISTS:</b>		
Paulo PENCHINA, Transpetro		

## Technical Program: Thursday, 26 October

All technical sessions are located in Pavilion 5, second floor.

0900–1130	Room 204 A	19
<b>Enhanced Oil Recovery</b>		
<b>SESSION CHAIRPERSONS:</b>		
Othon Monteiro, Baker Hughes		
Carlos Alvarez, Gaffney, Cline & Associates Inc.		
<b>0900</b>	<b>28008</b>	
<b>Methodology to Improve Miscible Gas Injection Forecast Based on a Field Scale Simulation Model</b>		
V.D. Rios, L. Schmall dos Santos, F.B. Quadros, R. Lykawka, Petrobras; D.J. Schiozer, Universidade Estadual De Campinas		
<b>0925</b>	<b>28023</b>	
<b>Low Salinity Waterflooding Effect: Crude Oil/Brine Interactions as a Recovery Mechanism in Carbonate Rocks</b>		
J.T. Tetteh, E. Rankey, R. Barati Ghahfarokhi, University of Kansas		
<b>0950</b>	<b>28019</b>	
<b>Qualification of Biopolymer in Offshore Single Well Test</b>		
H. Urkedal, O. Selle, O. Seime, Ø. Brandal, T. Grostad, Statoil ASA; A. Todosijevic, M. Dillen, D. Prasad, B. Ernst, Wintershall Holding GmbH; F. Lehr, E. Mahler, BASF SE		
<b>1015</b>	<b>27953</b>	
<b>Polyacrylamide Mechanical Degradation and Stability in the Presence of Iron</b>		
V.D. Ferreira, R.Z. Moreno, University of Campinas		
<b>1105</b>	<b>28038</b>	
<b>Near-Miscible Flooding by Production Gas Re-Injection in QHD 29-2 Offshore Oilfield</b>		
H. Chen, China University of Petroleum, Beijing; X. Zhang, Research Institute of CNOOC; J. Yang, The Federal University of Rio de Janeiro; H. Tang, Y. Mei, B. Li, X. Shen, China University of Petroleum, Beijing		

0900–1130	Room 204 B	20
<b>Floating Production Systems - Hull and Mooring</b>		
<b>SESSION CHAIRPERSONS:</b>		
Arthur Saad, Petrobras		
Robert Goulard, Queiroz Galvao Exploration & Production SA		
<b>0900</b>	<b>28137</b>	
<b>Cost Reduction Method for the Replacement of a Riser Bellmouth</b>		
R. Yoshioka, D. Thorne, A. Kovacs, SBM Offshore; D. Maier, F. Mineiro, Petrobras		
<b>0925</b>	<b>28119</b>	
<b>Automatic Verification of Instrumentation Lessons Learned in New FPSO Projects by Using Constructability-Based Queries Applied to CAE (Computer Aided Engineering) Tools Databases</b>		
M.S. Torres, B.P. dos Santos, F.C. Diniz, P.V. Cintra, Petrobras S.A.		
<b>0950</b>	<b>28050</b>	
<b>Heavy Denier High Performance Polyester Yarns for Deep Water Offshore Mooring Ropes</b>		
M. Briguet Bastos, MBB Enterprises; L. Haach, A. Tomazi, Lankhorst Euronete; E.B. Fernandes, Unisinos		
<b>1015</b>	<b>28041</b>	
<b>Multirate Timestepping For Mooring Line Dynamics</b>		
C. Low, Lloyd's Register Global Technology Centre; S. Narasimalu, Y. Ng, Nanyang Technological University; K. Chua, Lloyd's Register Global Technology Centre		
<b>1040</b>	<b>28033</b>	
<b>The Next Generation of the Purpose Built Intervention Semi-Submersibles: Delivering Subsea Well Intervention Cost Reduction Through the Increase of the Operational Efficiency</b>		
J. Batista, Helix do Brasil; D. Carr, Helix WellOps		
<b>1105</b>	<b>27972</b>	
<b>Best Practices for Decommissioning of Floating Production Systems (FPS)</b>		
S. Leite Alves Junior, R. Souza, SBM Offshore do Brasil		

# Technical Program: Thursday, 26 October

All technical sessions are located in Pavilion 5, second floor.

0900–1130	Room 204 C	21
<b>Field Development - A Holistic Approach</b>		
<b>SESSION CHAIRPERSONS:</b> Flavio Vianna, Petrobras Gabriel Andrade, Shell Brasil Ltda		
<b>0900</b>	<b>28051</b>	
<b>Subsea Concept Alternatives for Brazilian Pre-Salt Fields</b> K.F. Buckley, R. Uehara, Shell		
<b>0925</b>	<b>28059</b>	
<b>Otimrota - Multiline - Computational Tool for the Conceptual Design of Subsea Production Systems</b> T.D. Santos, D.M. Rocha, L.I. Pereira, Petrobras; J. Baioco, UFRJ/UFF; C. Albrecht, B. Jacob, UFRJ		
<b>0950</b>	<b>27978</b>	
<b>Discussing Royalties in Brazil in Oil Price Volatility Times: A Public Management Analysis</b> F.D. Jesus, T.B. da Silva, L.D. Resende, T. Roitman, J.F. Silva, FGV Energia		
<b>1015</b>	<b>27989</b>	
<b>An Integrated Field Development Methodology for Improving FEL1</b> G.C. Nunes, A.L. Costa, Universidade do Estado do Rio de Janeiro; J.d. Romão, Petrobras		
<b>1040</b>	<b>28164</b>	
<b>Lula Alto - Strategy and Execution of a Megaproject in Deep Water Santos Basin Pre-Salt</b> N.d. Campos, M.J. Faria, R.O. Cruz, A.C. Villar de Almeida, E.J. Rebeschini, H. Paes Vaz, L.V. Joao, M.B. Rosa, T.C. Da Fonseca, Petrobras		
<b>1105</b>	<b>28016</b>	
<b>Design One-Build Many: The Execution Strategy Leading to The Successful Delivery of FPSOs Cidade De Marica and Cidade de Saquarema, Twin Production Systems Copied From Previously Delivered FPSO Cidade De Ilhabela</b> G.M. Pinto, R. Torres, SBM Offshore do Brasil; P.R. Ribas, Consultant		

0900–1130	Room 210	22
<b>Advanced Computation and Simulation - Reservoir</b>		
<b>SESSION CHAIRPERSONS:</b> Antonio Amorim, Faculdade De Tecnologia E Ciencias Gerardo Acosta, Universidad Nacional Del Centro De La Provincia De Buenos Aires		
<b>0900</b>	<b>28002</b>	
<b>Multi-Scale Ensemble-Based Data Assimilation for Reservoir Characterization and Production Forecast: Application to a Real Field</b> A. de Lima, T. Gentilhomme, D. Riffault, F. Allo, CGG; A.S. Anziewski, A.A. Emerick, M. dos Santos, Petrobras		
<b>0925</b>	<b>28117</b>	
<b>Thermodynamic Properties and Fluid Phase Equilibria of Natural Gas Containing CO<sub>2</sub> and H<sub>2</sub>O at Extreme Pressures for Injection in the Brazilian Pre-Salt Reservoirs</b> C. Aimoli, D.P. Carvalho, Petróleo Brasileiro S.A.; P.A. Pessa Filho, Universidade de Sao Paulo; E.J. Maginn, University of Notre Dame		
<b>0950</b>	<b>28073</b>	
<b>Evaluation of the Discrete Latin Hypercube with Geostatistical Realizations Sampling for History Matching under Uncertainties for the Norne Benchmark Case</b> C.J. Ferreira, A. Davolio, D.J. Schiozer, Universidade Estadual De Campinas		
<b>1015</b>	<b>28125</b>	
<b>Evaluation of Hybrid EOR as Polymer-Assisted Carbonated Waterflood in Calcite Cemented Sandstone Reservoir</b> J. Lee, G. Kim, K.S. Lee, Hanyang University		
<b>1040</b>	<b>28207</b>	
<b>Laboratory Validation of Engineered Composite and High Fluid-Loss Materials to Help Cure Severe Losses in Fractured Formations</b> D.M. Obando, F.C. Fornasier, Halliburton		

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All technical sessions are located in Pavilion 5, second floor.

0900-1130	Room 211	23
<b>Sour Service – Pipes</b>		
<b>SESSION CHAIRPERSONS:</b>		
Pascoal Bordignon, CBMM Consultant		
Christian Schruff, EUROPIPE GmbH		
<b>0900</b>	<b>28082</b>	
<b>Application of TMCP Material for Large Diameter Pipelines Under Sour Service Conditions</b>		
C. Schruff, C. Kalwa, H. Hillenbrand, EUROPIPE GmbH		
<b>0925</b>	<b>27962</b>	
<b>Study of the Mechanical Properties and Fracture Morphology of Niobium Microalloyed 80 ksi Class Thick Plates Produced by Controlled Rolling Followed by Accelerated Cooling</b>		
R.T. Viana Junior, A.A. Gorni, J.H. Silveira, K. Camey, R.J. de Faria, Gerdau Ouro Branco		
<b>0950</b>	<b>28154</b>	
<b>Effect of Microstructure on Hydrogen Diffusivity, Trapping and HIC Resistance in Two API X65 Steels</b>		
V.S. Marques, D. Hincapie, L. Nishikawa, H. Goldenstein, University of Sao Paulo		
<b>1015</b>	<b>28026</b>	
<b>Development of Low-Manganese L80 HF-ERW Tube Containing 1% Cr with Addition of Boron</b>		
L.C. Melo, W. Cordeiro, I. Gomes, M.W. Ferreira, Apolo Tubulars S/A; J.d. Payao, COPPE/UFRJ		
<b>1040</b>	<b>28032</b>	
<b>Mechanical Behavior of X-65 Seamless Rigid Pipe During Resonant Fatigue Testing: a Numerical and Experimental Approach</b>		
T.Z. Stapasolla, O.D. Pinto, A. Mosquen, M.F. Borges, C.E. Kwietniewski, UFRGS		
<b>1105</b>	<b>28151</b>	
<b>Hydrogen Induced Cracking (HIC) Resistance in HSLA API 5L X65 e 5L X80 Steels</b>		
J. Quispe Aviles, N. Alonso-Falleiros, H. G.de Melo, Universidade de Sao Paulo		

0900-1130	Room 212	24
<b>Drilling 2</b>		
<b>SESSION CHAIRPERSON(S):</b>		
Thiago Fernandes, Total E&P		
Shiniti Ohara, Barra Energia		
<b>0930</b>	<b>28091</b>	
<b>The Longest Horizontal Section Ever Drilled in an Extended-Reach Well in Brazil</b>		
R. Kenupp, A. Lourenco, S. Soltvedt, I. Thomson, Baker Hughes, a GE Company; G. Simoes, D. Morosov, R. Andrade, Statoil		
<b>0955</b>	<b>27975</b>	
<b>Lessons Learned and Reduction in Rig Time with the Use of Water-Based Mud to Bottom Hole Drilling in the Pre-Salt</b>		
R. Balthazar Vadinal, F. Fabri, G.T. Teixeira, K.A. Gonzaga, P.H. Pereira da Silva, Petrobras		
<b>1020</b>	<b>27982</b>	
<b>An Integrated Approach in Well Integrity Service Assists Improving Zonal Isolation in Production Section</b>		
F. Martinez, O. Cardoso Ronquillo, C.G. Oyatomari, F. Moretti, J.M. Gomez, Schlumberger; F.R. Ramirez Benavides, Petroamazonas EP		
<b>1045</b>	<b>28208</b>	
<b>HSE in Libra Project -Designing for Outstanding Performance</b>		
W. Bo, CNODC Brasil Ltda; F. Castro, Shell; C. Deplante, Total; M. Katekawa, Petrobras; S.W. Balint, Shell		
<b>1110</b>	<b>28034</b>	
<b>Artificial Intelligence Strategy Minimizes Lost Circulation Non-Productive Time in Brazilian Deep Water Pre-Salt</b>		
R.A. Leite Cristofaro, G.C. Longhin, Simworr Engineering R&D; A.A. Waldmann, C.M. De Sa, R. Balthazar Vadinal, K. Gonzaga, A.L. Martins, Petrobras		
<b>1135</b>	<b>28121</b>	
<b>Cybersecurity for Upstream Operations</b>		
M.A. AlGhazal, M. AlJubran, Saudi Aramco		

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All technical sessions are located in Pavilion 5, second floor.

0900–1130	Room 203 A	SE14
<b>Offshore Decommissioning: Overview of Regulations and Best Practices</b>		
<b>SESSION CHAIRPERSON:</b> Eduardo Zacaron, Petrobras		
<b>PANELISTS:</b> Luiz Oliveira, DNV-GL Jean-David Caprace, UFRJ-SOBENA Jose Umberto Borges, Petrobras Marcelo Igor Lourenco, UFRJ/COPPE Marcelo Mafra, ANP		

1130–1300	Main Auditorium	SE16
<b>Process Optimization by Digital Technologies - No Way To Get Out of This Wave</b>		
<b>SESSION CHAIRPERSON:</b> Hugo Repsold, Petrobras		
<b>PANELISTS:</b> Claudio Makarovsky, Oil & Gas Corporate Account Manager, Siemens Sylvain Santamarta, Partner and Managing Director, BCG Frederico Ferrarini, Digital Transformation Manager, Renault-Nissan		

0900–1130	Room 203 B/C	SE15
<b>Pre-Salt Development -1 Billion bbl Cumulative Production: Concepts, Implementation and First Results</b>		
<b>SESSION CHAIRPERSONS:</b> Antonio Capeleiro Pinto, Petrobras Olivier Wambersie, Shell		
<b>PANELISTS:</b> Joelson Mendes, Executive Manager - Ultra-Deep Water Projects, Petrobras Tiago Homem, General Manager - Ultra-Deep Water Projects - Reservoir, Lift and Flow Assurance, Petrobras Cristiano Sombra, Coordinator - Pre-Salt Technological Program, Petrobras Daniele Lomba Zaneti Puelker, General Manager, Corporate HSE, Petrobras Marco J. Brummelhuis, Libra General Manager, Shell		

1130–1300	Room 203 B/C	SE17
<b>Bringing Together Key Players for the Resumption of the Oil and Gas Industry Production Process in Brazil</b>		
<b>SESSION CHAIRPERSON:</b> Márcio Félix, Secretary of Petroleum, Natural Gas and Natural Resources, Ministry of Mines and Energy		
<b>PANELISTS:</b> Decio Odone, ANP General Director Eduardo Eugenio Gouveia Vieira, FIRJAN Jose Firmo, ABESPETRO Jorge Camargo, IBP		

1300–1430	Room 101 B	SE18
<b>Topical Luncheon: How does Deepwater Compete with Shales?</b>		
<b>SESSION CHAIRPERSON:</b> Jose Formigli, Forsea		<b>SPONSORED BY</b>
		
<b>SPEAKER:</b> Andrew Brown, Director of Global Upstream, Shell		

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All technical sessions are located in Pavilion 5, second floor.

1430–1700	Room 204 A	25
<b>Production</b>		
<b>SESSION CHAIRPERSON:</b>		
João Marcelo Baima, Shell Brasil Petróleo Morten Stenhaug, Schlumberger		
1430	28093	
<b>Parametric Study of the Influence of GOR and CO<sub>2</sub> Content on the Simulation of a Pre-Salt Field Configuration</b>		
M.d. Pasqualette, M.J. Rempto, J.N. Carneiro, Instituto SINTEF do Brasil; R. Fonseca, J. Ciambelli, Petrobras; S.T. Johansen, B.T. Løvfall, SINTEF Materials & Chemistry		
1455	28053	
<b>Reynolds Number Influence on Wax Deposition</b>		
R.C. Albagli, Petrobras; L.B. Souza, A.O. Nieckele, PUC-Rio		
1520	28155	
<b>Stability Solver for Offshore Oil Flows</b>		
I. Andreolli, Petrobras; G.R. Azevedo, J.L. Balino, Universidade de Sao Paulo		
1545	28123	
<b>A Step Change in Safety and Quality for ESP Deployment in the North Sea</b>		
L.F. Pastre, W. Barclay, D. Elrick, A. Kriptanto, Schlumberger		
1610	28132	
<b>Subsea Demulsifier Injection To Reduce Emulsion Viscosity and Enhance Crude Oil Production</b>		
M.C. Oliveira, L.F. Paiva, F.A. Meireles, R. Mendes, P.M. Silva, L.G. Machado, Petrobras		
1635	28108	
<b>Advanced Control For Gas-lift Well Optimization</b>		
M.M. Campos, M.L. Lima, A.F. Teixeira, C. Moreira, A.S. Stender, O. Meien, Petrobras; B. Quaresma, PUC-Rio/Tecgraf		

1430–1700	Room 204 B	26
<b>Offshore Logistic and Decommissioning</b>		
<b>SESSION CHAIRPERSONS:</b>		
Luis Gustavo Storino Bastos, Shell Brasil Ltda Juliana Seixas, Halliburton		
1430	27951	
<b>Tracking of Materials and Equipment Used in Planned Maintenance Shutdowns on Offshore Platforms: An Approach using RFID</b>		
P.D. Soares, C.M. de Oliveira, G. Morales, J. Arica, State University of Northern Rio de Janeiro (UENF); I. Matias, Universidade Candido Mendes; A.S. Ferreira, Fluminense Federal University (UFF); V. Carneiro, I-dutto		
1455	28014	
<b>Estimation of Diesel Supply Vessels in Offshore Oil and Gas Activities through Dynamic Simulation</b>		
V.A. Silva, P.C. Moreira, R.P. Leite, Petrobras		
1520	28157	
<b>Analytical and Experimental Analysis of Friction Forces Inside Curved Pipes</b>		
E.W. De Menezes, F.P. Geiger, E.D. Basso, E.A. Perondi, F.D. Wildner, R.C. Laranja, T. Becker, Universidade Federal do Rio Grande do Sul; J. Marengo, Universidad de la Republica; H.F. Santos, Petrobras		
1545	28148	
<b>A Solution to Optimize the Logistics of a Fleet of Workover Vessels Applied to Offshore Operations in the Gulf of Mexico</b>		
D. Vasconcelos, Halliburton; E.M. Nogueira, formerly Halliburton; S. Sousa, R. Charrouf, Halliburton		
1610	28124	
<b>Epoxy Resin Helps to Restore Well Integrity in Offshore Well—Case History</b>		
M.V. Perez, J. Melo, R. Blanc, A. Roncete, P. Jones, Halliburton		
1635	28024	
<b>The Effectiveness of the Infraction Notice as a Tool of the Regulation System</b>		
H.C. Saad, M.B. Bergamaschi, ANP - Agencia Nacional Do Petroleo; M.D. Santos, G.R. Tavares, Universidade Federal Fluminense		



# Technical Program: Thursday, 26 October

All technical sessions are located in Pavilion 5, second floor.

1430–1700	Room 204 C	27
<b>Life Extension of Offshore Fields and Platforms</b>		
<b>SESSION CHAIRPERSON:</b>		
Rajiv Aggarwal, Consultant		
João Carlos Rodrigues, JCR Engenharia		
1430	28158	
<b>A Proactive Risk Based Maintenance and Optimization Strategy for High Performance Offshore Assets</b>		
T. Nolan, ABS Group		
1455	28012	
<b>Developing a Digital Twin for Floating Production Systems Integrity Management</b>		
D. Renzi, D. Maniar, S. McNeill, C. Del Vecchio, Stress Engineering Services, Inc.		
1520	28074	
<b>Risk Based Ship Collision Assessment For Floating Structures</b>		
J. van de Graaf, H. Singh, A.R. Anaturk, Shell Global Solutions International BV		
1545	28044	
<b>Measured Data Provides Insight for Floating Systems Life Extension</b>		
S. McNeill, D. Maniar, D. Renzi, C. Del Vecchio, Stress Engineering Services, Inc.		
1610	28080	
<b>Monitoring Flexible Risers with Optical Sensors - Operational Experience and Future Perspectives</b>		
B.M. Santiago, S.R. Morikawa, W. Carrara, A. Kravetz, J.A. Martins, Petrobras		
1635	28078	
<b>Real-Time Asset Optimisation - Integrity Management of Flexible Pipe Systems: Meeting the Challenge</b>		
G. Eckold, R. White, Baker Hughes, a GE company		

1430–1700	Room 210	28
<b>Material Selection and Corrosion</b>		
<b>SESSION CHAIRPERSONS:</b>		
Pascoal Bordignon, CBMM Consultant		
Da Zhu, RGL Reservoir Management Inc.		
1430	28198	
<b>Chokes in Series Provide Safe Testing Operations in Wells with Abrasive Solids</b>		
R. Margotto, J. Cunha, R. Miranda, Halliburton; D. da Cunha Ribeiro, U.M. Moreno Benedito, A.P. Meneguelo, Universidade Federal Do Espirito Santo		
1455	28163	
<b>Investigation of Electroless Nickel-Phosphorus Coating as an Alternative to Corrosion/Fouling Resistant Alloys in Downhole Service</b>		
D. Zhu, A.A. Uzcategui Cortes, RGL Reservoir Management Inc; L. Gong, X. Qiu, J. Huang, C. Sun, J. Luo, H. Zeng, University of Alberta		
1520	28199	
<b>Development of Alkoxylated Fatty Diamines as new Film-forming Corrosion Inhibitors</b>		
R.B. Rabelo, F.C. De Rezende, O.C. Poltronieri, C.G. Ewbank, Oxiteno SA; J.A. Velasco, L.G. Lima, I.L. Gonçalves, D.S. Freitas, Instituto Nacional de Tecnologia (INT)		
1545	28035	
<b>A Novel Approach to Reliability Qualification Testing: Key Constituent in Successful Development of Electrohydraulic Flow Control Device</b>		
A. Balasubramanian, B. Gissler, P. Shrivastava, S. Saldanha, Halliburton		

1430–1700	Room 211	29
<b>Well Logging and Cementing</b>		
<b>SESSION CHAIRPERSON(S):</b>		
Adolpho Souza, Schlumberger		
1430	28150	
<b>Identification of Stresses on Near-Borehole Field Using Cross-Dipole Sonic Tool and Image Logs: Case Study in Deepwater Carbonate</b>		
H. Tamoto, Halliburton; T. de Bittencourt Rossi, Petrobras; M. Barroso Fouraux, Halliburton		
1455	28046	
<b>Experiences from Automated Hardware-In-The-Loop Testing of BOP Control Systems</b>		
O. Kårvand, L. Pivano, R. Stenbro, C. Ramos De Carvalho, S. Boff, DNV GL; L. Staudacher, NOV Rig Systems		
1520	28062	
<b>New-Generation, Circumferential Ultrasonic Cement-Evaluation Tool for Thick Casings: Case Study in Ultradeepwater Well</b>		
J.A. Acosta, M.B. Fouraux, B. Mandal, D. Soares, A. Milankovic, Halliburton; L. Lima, T.d. Piedade, Petrobras		
1545	28115	
<b>Integrated Solution for Deepwater Cementing Challenges: Cases Histories</b>		
L.R. Brunherotto, D.M. Ribeiro, M.V. Perez, Halliburton		

## Technical Program: Thursday, 26 October

All technical sessions are located in Pavilion 5, second floor.

1430–1700	Room 203 A	SE19	1430–1700	Room 203 B/C	SE20
<b>Advanced Geophysical Technologies for Reservoir Characterization and Monitoring</b>			<b>E&amp;P Strategies To Achieve Success in a Low Oil Prices Scenario</b>		
<b>SESSION CHAIRPERSONS:</b> Paulo Johann, Petrobras Luiz Braga, SBGf			<b>SESSION CHAIRPERSON:</b> Solange da Silva Guedes, Petrobras		
<b>PANELISTS:</b> Adrian Smith, CGGVeritas Christian Deplante, Total Paulo Johann, Petrobras Kanglin Wang, Shell Christopher Walker, Seabed Solutions Valente Ricoy, EMGS			<b>PANELISTS:</b> Wael Sawan, Executive Vice President of Deepwater, Royal Dutch Shell Bernard Looney, Chief Executive, Upstream, BP Tomas Garcia Blanco, VP E&P, Europa, Africa and Brazil, Repsol Michael Hourcard, CEO, TOTAL E&P Americas Anders Opedal, Executive Vice President of Statoil and President Statoil Brazil Thore Kristianssen, COO E&P, Galp		