

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

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

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

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

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

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

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

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

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
Flow Assurance		
SESSION CHAIRPERSONS: Reda Bouamra, Onesubsea Ricardo Camargo, Petrobras		
1030	28120	
Wax Removal Procedure Used in Pre-Salt Oil Well T. Andreotti, J.A. Rodini Neto, J.C. Lorenzetti, Petrobras		
1055	28106	
On the Hydrodynamic Aspects of the Carbonate Scale Formation Process in High Flow Rate Wells 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	
A Physical Model for Scale Growth During the Dynamic Tube Blocking Test 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	
Oil-Water Pipe Flow Dispersions - From Traditional Flow Loops to Real Industrial Transport Conditions A. Shmueli, H. Schümann, T. Unander, SINTEF Petroleum AS		
1210	28111	
Study of the Effect of Monoethylene Glycol (MEG) on the Precipitation of Calcium Carbonate in a Pressurized Dynamic System V. Kartnaller, F.D. Venancio, J. Cajaiba, Universidade Federal do Rio De Janeiro; F. Rosário, Petrobras - CENPES		
1235	28043	
Synergistic Combination of Products for Optimization of Oil Well Production and H₂S Reduction 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
Regulation and Local Content		
SESSION CHAIRPERSONS: Eduardo Neiva, Petrobras Elizabeth Creed, Kongsberg Underwater Technology Inc.		
1030	27994	
Field Decommissioning Obligations in Brazil: The Differences and Impacts of Current Methodologies for Concessions and Sharing Regimes in Light of Investment Attraction F. Gaspar, K. Bilda, Shell Brasil		
1055	27996	
Unitization Involving Non Contracted Area: Comparison Between Contractual Models C.V. Da Silva, D.D. Bonolo, Petrobras		
1120	28146	
Evaluation of Social and Economic Impacts of Local Content Management in Oil & Gas and Shipbuilding Industry in Brazil: An Application of Input-Output Analysis S.R. Furtado, E.D. Junior, Petrobras; M.F. Ludovico, PUC-Rio		
1145	28010	
Industrial Policy and Local Content: Brazil's Pre-Salt Area Case F.D. de Jesus, J. Gomes da Silva, T. Roitman, FGV Energia		
1210	28072	
Fiscal and Contractual Hurdles for Establishing Asset Sharing Agreements in Offshore Operations M.C. Santoro, M.J. Tavares, M.P. Almeida, V.F. Ribeiro, Petrobras		
1235	28076	
Multiphase Flow Measurement: Advantages and Brazilian Regulation H.C. Saad, L.C. Ribeiro, ANP - Agencia Nacional Do Petroleo; M. Oliveira, UFF - Universidade Federal Fluminense		

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

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

1430–1700	Room 204 B	06
<p>Geology</p> <hr/> <p>SESSION CHAIRPERSONS: Cristiano Sombra, Petrobras Frances Abbots-Guardiola, Shell Brazil E&P</p>		
1430	28159	<p>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</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>Development and Evaluation of Ocean Bottom Hybrid Joint Box System for Real-time Communication and Monitoring in Deep Seabed</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>Assessment of Cold Water Injection Geomechanical Effects on Brazilian Pre-Salt Reservoirs and on its Saline Caprocks</p> <p>R. Fernandes Do Amaral, G.S. Seabra, J.P. Laquini, Petrobras</p>
1545	27957	<p>Fault Reactivation in Compartmentalized Reservoirs: Effect of Fault Transmissibility Enhancement on Pressure Transient Behavior</p> <p>O. Molina, M. Zeidouni, Louisiana State University</p>
1610	28015	<p>Integration of Ensemble Data Assimilation and Deep Learning for History Matching Facies Models</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
Completions		
SESSION CHAIRPERSONS:		
Augusto Hougaz, Petrobras		
Felipe Freitas, Stress Engineering Services Inc		
1430	28102	
First Openhole Intelligent Well Completion in Brazilian Pre-salt		
E. Schnitzler, L.F. Goncalvez, W.M. Ascano, F.F. Goncalves, R.S. Almeida, M. Marques, Petrobras		
1455	27983	
Cableless Intelligent Well Completion Development Based on Reliability		
M.F. Da Silva Jr, C.C. Jacinto, C. Hernalsteens, M. Nobrega, M. Defilippo Soares, E. Schnitzler, L.B. Nardi, Petrobras		
1520	27992	
Production Experience of ICD/AICD for Heavy Oil at the Peregrino Field		
S.V. Araujo, A. Bolliger, C. Pettan, S.M. Erlandsen, I.L. Leitao Junior, Statoil		
1545	28040	
Use of Autonomous Inflow Control Device (AICD) Within a Horizontal Gravel Pack Completion in a Depleted Reservoir Well		
L. Netto, L. Xavier, G. Corona Cortes, R.F. Valinho, Halliburton		
1610	28056	
Intelligent Completions as a Key Technology in the Brazilian Presalt		
D. Rodrigues, L.B. Minassa, R. da Silva Nunes, L. Costa, Halliburton		
1635	28136	
First O3 Zone Intelligent Completion in the Brazilian Pre-Salt: Design Considerations, Challenges and Lessons Learned		
F. Del Vecchio, P. Maciel, F.J. Salom, J.V. Chagas, A.J. Ortiz, Baker Hughes, a GE Company		

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

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1430-1700	Room 211	09
MPD & Fluid Technologies		
SESSION CHAIRPERSONS: Gleber Teixeira, Petrobras Thiago Fernandes, Total E&P		
1430	27990	
Evolution of Control Strategies To Minimize Pressure Fluctuation During Connections in MPD Deepwater Operations 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	
MPC Successful Application in Deepwater Exploration: Case Study A. De La Cruz Sasso, Halliburton; T. Pinheiro Da Silva, P.R. Brand, Blade Energy Partners		
1520	28049	
Surface Plasmon Sensors for Fluid Analysis in Upstream Oil O. Monteiro, R. Suresh, A. Chandran, Baker Hughes Inc		
1545	28130	
Saving Capex on Further Development of Complex Mature Fields With MPD in Deep Water Drilling - Roncador Case O. Campos, Petrobras		
1610	28025	
New Fiber Technology to Improve Mud Removal 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
New Technologies and Innovation Solutions for the New Oil & Gas Market		
SESSION CHAIRPERSONS: Marcelo Taulois, Scatec Solar Brasil		
PANELISTS: 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
New Alliances in the Subsea Market - What Operators Can Expect?		
SESSION CHAIRPERSON: Cristina Pinho, Petrobras		
PANELISTS: 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
Offshore EOR: Recovery Factor Optimization in Ultra Deepwater Fields		
SESSION CHAIRPERSONS: Stephen Goodyear, Shell Austin Boyd, Schlumberger		
PANELISTS: 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
Leadership Summit		
SESSION CHAIRPERSONS: Fernando Frimm, GustoMSC Inc. Carlos Fraga, GranEnergia		
SESSION MODERATOR: Renato Bertani, Barra Energia		
PANELISTS: 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
Reservoir Engineering		
SESSION CHAIRPERSONS: Luiz Schmall, Petrobras Olivier Wambersie, Shell		
0930	28161	
Uncertainty Analysis in Well Test Interpretation - The Conservation Principles L.K. Kubota, Petrobras		
0955	27993	
Optimizing Production of Santos Basin Pre-Salt Fields Through Sound Reservoir Management Practices 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		
1020	28110	
NMR Petrophysics on Rocks Saturated with Alcohol: an Alternative Core Analysis Workflow H.C. Saad, ANP - Agencia Nacional Do Petroleo; L.C. Ribeiro, UFF - Universidade Federal Fluminense		
1045	28153	
Application of a Methodology To Incorporate Probabilistic Data From two Technologies: Reservoir Simulation Models and 4D Seismic G.S. Assuncao, A. Davolio, D.J. Schiozer, University of Campinas (UNICAMP)		
1110	28020	
On the Use of Ocean Tide Model Driver, TMD, as a Filter to Recover Reservoir Signal from Well Test Pressure History E.A. De Oliveira, C.P. Junqueira, Petrobras		
1135	27955	
How To Improve the Use of PDG Data on Injector Wells: A Temperature Build-Up Approach V.C. Silva, K. Glitz, Petrobras		

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

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

0930–1200	Room 211	13
Emerging Technologies		
SESSION CHAIRPERSONS: Cassio Kuchpil, Petrobras Thomas Leize, Shell		
0930	28039	
Plain Sailing? Observations of Cybersecurity and Network Health Problems in Control Systems at Sea M.J. Csorba, C. Ramos De Carvalho, S. Boff, DNV GL		
0955	28129	
MPC Advanced Control of an Offshore Gas Compression System A. Plucenio, J. Normey-Rico, C. Vettorazzo, Universidade Federal de Santa Catarina; M.M. Campos, M. Lopes De Lima, Petrobras Cenpes		
1020	27977	
Deployment of Electro-Mechanical Cutting Tool on Intelligent Coiled Tubing for Horizontal Wells 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		
1045	28138	
Benefits of Using an Electric Choke for Subsea Applications A. Rubio, H. Abu Zeid, J.H. Meyer, OneSubsea		
1110	28105	
Cost, Efficiency, and Environmental Considerations of Medium Voltage Electric Heating Technology C. Molnar, Chromalox		
1135	28065	
Optimization and Application of Cluster Horizontal Well Drilling Technologies and Foamy Oil Flow in ML Block, Venezuela 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
Wells Construction and Abandonment		
SESSION CHAIRPERSON(S): Fernando Machado, Petrobras João Batista, Helix		
1430	28052	
Designing Fluid Properties To Minimize Barite Sag and its Impact on Annular Pressure Build Up Mitigation in Producing Offshore Wells		
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		
1455	27980	
Successful Application of Cased and Perforated Completions in Deepwater		
S. Sathyamoorthy, A.P. Singh, L. Odai, S.K. Ampim, K. Amaning, T. Boakye Boahen, Tullow Ghana Limited		
1520	28103	
Intelligent Completions used During Extended Well Test of Exploratory Wells in Brazil		
L. Costa, D. Rodrigues, R. da Silva, I. Souza, M.A. Fernandes, Halliburton		

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

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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

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

1400–1630	Room 204 C	17
Cementing		
SESSION CHAIRPERSON:		
Jacques Salies, Queiroz Galvao Exploration & Production SAO		
Cristiane Richard de Miranda, Petrobras		
1400	28149	
Temperature Development in Coiled Tubing Cementing Operations in Deepwater Environments		
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	
Application of Lasers for Perforation of Petroleum Wells		
M.G. da Silva, Petrobras; A.M. Braga, G.V. de Faria, PUC-Rio; F.F. Rosario, Petrobras		
1450	27968	
Enhanced Cement Bond Evaluation in Thick Casing Utilizing Guided Acoustic Modes Generated by Electromagnetic Acoustic Transducers		
D.J. Patterson, S. Ingram, P. Matuszyk, X. Yao, R. Das, R. Steinsiek, Baker Hughes, a GE company		
1515	27970	
First Application of Foamed Cement for Production Operation in Ultradeepwater Well: Case History		
T. Antunes, R. Blanc, J. Fiorotti, T. Oliveira, M.V. Perez, Halliburton		
1540	27960	
Ultra Deepwater Salt Zone Cementing in Gulf of Mexico Wells		
V. Vallejo, A. Olivares, D. Salinas, PEMEX; R. Giron Rojas, Schlumberger		
1605	28060	
Tailored and Reliable Method for Cement Plug Improves Times in Deep Water		
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
Multiphase Flow & Solids		
SESSION CHAIRPERSONS:		
Amadeu Sum, Colorado School of Mines		
Joao Carneiro, SINTEF		
1400	IP	
Developing the Knowledge Gap for Gas Hydrates in Multiphase Flow		
A.K. Sum, Colorado School of Mines		
1425	28116	
Sand Management and Erosion in Oil & Gas Production Systems - Analysis and Prediction Tools		
E. Gharaibah, Y. Zhang, Baker Hughes, a GE Company - Flow Assurance		
1450	28087	
Evaluation of Gas Hydrates Operation Zone to Establish an Optimal Hydrate Management Strategy		
M. Fossen, A.A. Shmueli, SINTEF Petroleum AS		
1515	IP	
Application of Mechanistic Erosion Criteria in a Deepwater Development		
F. Garcia Ruiz, Repsol		
1540	IP	
The importance of the Dispersed Phase Topology and Properties Into the Methane Hydrate Crystallization Kinetics and Transport		
A. Cameirao, Ecole des Mines de St. Etienne		
1605	27952	
Investigate the Effectiveness of Eco Friendly Bio-Oils on The Inhibition of Asphaltene Precipitation in a Kuwaiti Crude Oil		
H. Alrashidi, S. Afra, H.A. Nasr-El-Din, Texas A&M University		

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

1400–1630	Room 203 B/C	SE12
Libra Development		
SESSION CHAIRPERSON:		
Stephen Balint, Shell		
PANELISTS:		
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
Opportunities for New Players in the Pipeline Transportation of Offshore Production in Brazil		
SESSION CHAIRPERSON:		
Alex Dalpont, Petrobras		
PANELISTS:		
Paulo PENCHINA, Transpetro		

Technical Program: Thursday, 26 October

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

0900–1130	Room 204 A	19
Enhanced Oil Recovery		
SESSION CHAIRPERSONS:		
Othon Monteiro, Baker Hughes		
Carlos Alvarez, Gaffney, Cline & Associates Inc.		
0900	28008	
Methodology to Improve Miscible Gas Injection Forecast Based on a Field Scale Simulation Model		
V.D. Rios, L. Schmall dos Santos, F.B. Quadros, R. Lykawka, Petrobras; D.J. Schiozer, Universidade Estadual De Campinas		
0925	28023	
Low Salinity Waterflooding Effect: Crude Oil/Brine Interactions as a Recovery Mechanism in Carbonate Rocks		
J.T. Tetteh, E. Rankey, R. Barati Ghahfarokhi, University of Kansas		
0950	28019	
Qualification of Biopolymer in Offshore Single Well Test		
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		
1015	27953	
Polyacrylamide Mechanical Degradation and Stability in the Presence of Iron		
V.D. Ferreira, R.Z. Moreno, University of Campinas		
1105	28038	
Near-Miscible Flooding by Production Gas Re-Injection in QHD 29-2 Offshore Oilfield		
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
Floating Production Systems - Hull and Mooring		
SESSION CHAIRPERSONS:		
Arthur Saad, Petrobras		
Robert Goulard, Queiroz Galvao Exploration & Production SA		
0900	28137	
Cost Reduction Method for the Replacement of a Riser Bellmouth		
R. Yoshioka, D. Thorne, A. Kovacs, SBM Offshore; D. Maier, F. Mineiro, Petrobras		
0925	28119	
Automatic Verification of Instrumentation Lessons Learned in New FPSO Projects by Using Constructability-Based Queries Applied to CAE (Computer Aided Engineering) Tools Databases		
M.S. Torres, B.P. dos Santos, F.C. Diniz, P.V. Cintra, Petrobras S.A.		
0950	28050	
Heavy Denier High Performance Polyester Yarns for Deep Water Offshore Mooring Ropes		
M. Briguet Bastos, MBB Enterprises; L. Haach, A. Tomazi, Lankhorst Euronete; E.B. Fernandes, Unisinos		
1015	28041	
Multirate Timestepping For Mooring Line Dynamics		
C. Low, Lloyd's Register Global Technology Centre; S. Narasimalu, Y. Ng, Nanyang Technological University; K. Chua, Lloyd's Register Global Technology Centre		
1040	28033	
The Next Generation of the Purpose Built Intervention Semi-Submersibles: Delivering Subsea Well Intervention Cost Reduction Through the Increase of the Operational Efficiency		
J. Batista, Helix do Brasil; D. Carr, Helix WellOps		
1105	27972	
Best Practices for Decommissioning of Floating Production Systems (FPS)		
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
Field Development - A Holistic Approach		
SESSION CHAIRPERSONS:		
Flavio Vianna, Petrobras		
Gabriel Andrade, Shell Brasil Ltda		
0900	28051	
Subsea Concept Alternatives for Brazilian Pre-Salt Fields		
K.F. Buckley, R. Uehara, Shell		
0925	28059	
Otimrota - Multiline - Computational Tool for the Conceptual Design of Subsea Production Systems		
T.D. Santos, D.M. Rocha, L.I. Pereira, Petrobras; J. Baioco, UFRJ/UFF; C. Albrecht, B. Jacob, UFRJ		
0950	27978	
Discussing Royalties in Brazil in Oil Price Volatility Times: A Public Management Analysis		
F.D. Jesus, T.B. da Silva, L.D. Resende, T. Roitman, J.F. Silva, FGV Energia		
1015	27989	
An Integrated Field Development Methodology for Improving FEL1		
G.C. Nunes, A.L. Costa, Universidade do Estado do Rio de Janeiro; J.d. Romão, Petrobras		
1040	28164	
Lula Alto - Strategy and Execution of a Megaproject in Deep Water Santos Basin Pre-Salt		
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		
1105	28016	
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		
G.M. Pinto, R. Torres, SBM Offshore do Brasil; P.R. Ribas, Consultant		

0900–1130	Room 210	22
Advanced Computation and Simulation - Reservoir		
SESSION CHAIRPERSONS:		
Antonio Amorim, Faculdade De Tecnologia E Ciencias		
Gerardo Acosta, Universidad Nacional Del Centro De La Provincia De Buenos Aires		
0900	28002	
Multi-Scale Ensemble-Based Data Assimilation for Reservoir Characterization and Production Forecast: Application to a Real Field		
A. de Lima, T. Gentilhomme, D. Riffault, F. Allo, CGG; A.S. Anziewski, A.A. Emerick, M. dos Santos, Petrobras		
0925	28117	
Thermodynamic Properties and Fluid Phase Equilibria of Natural Gas Containing CO₂ and H₂O at Extreme Pressures for Injection in the Brazilian Pre-Salt Reservoirs		
C. Aimoli, D.P. Carvalho, Petróleo Brasileiro S.A.; P.A. Pessa Filho, Universidade de Sao Paulo; E.J. Maginn, University of Notre Dame		
0950	28073	
Evaluation of the Discrete Latin Hypercube with Geostatistical Realizations Sampling for History Matching under Uncertainties for the Norne Benchmark Case		
C.J. Ferreira, A. Davolio, D.J. Schiozer, Universidade Estadual De Campinas		
1015	28125	
Evaluation of Hybrid EOR as Polymer-Assisted Carbonated Waterflood in Calcite Cemented Sandstone Reservoir		
J. Lee, G. Kim, K.S. Lee, Hanyang University		
1040	28207	
Laboratory Validation of Engineered Composite and High Fluid-Loss Materials to Help Cure Severe Losses in Fractured Formations		
D.M. Obando, F.C. Fornasier, Halliburton		

Technical Program: Thursday, 26 October

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

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

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

Technical Program: Thursday, 26 October

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

0900–1130	Room 203 A	SE14
Offshore Decommissioning: Overview of Regulations and Best Practices		
SESSION CHAIRPERSON: Eduardo Zacaron, Petrobras		
PANELISTS: 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
Process Optimization by Digital Technologies - No Way To Get Out of This Wave		
SESSION CHAIRPERSON: Hugo Repsold, Petrobras		
PANELISTS: 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
Pre-Salt Development -1 Billion bbl Cumulative Production: Concepts, Implementation and First Results		
SESSION CHAIRPERSONS: Antonio Capeleiro Pinto, Petrobras Olivier Wambersie, Shell		
PANELISTS: 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
Bringing Together Key Players for the Resumption of the Oil and Gas Industry Production Process in Brazil		
SESSION CHAIRPERSON: Márcio Félix, Secretary of Petroleum, Natural Gas and Natural Resources, Ministry of Mines and Energy		
PANELISTS: Decio Odone, ANP General Director Eduardo Eugenio Gouveia Vieira, FIRJAN Jose Firmo, ABESPETRO Jorge Camargo, IBP		

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

Technical Program: Thursday, 26 October

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

1430–1700	Room 204 A	25
Production		
SESSION CHAIRPERSON:		
João Marcelo Baima, Shell Brasil Petróleo Morten Stenhaug, Schlumberger		
1430	28093	
Parametric Study of the Influence of GOR and CO₂ Content on the Simulation of a Pre-Salt Field Configuration		
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	
Reynolds Number Influence on Wax Deposition		
R.C. Albagli, Petrobras; L.B. Souza, A.O. Nieckele, PUC-Rio		
1520	28155	
Stability Solver for Offshore Oil Flows		
I. Andreolli, Petrobras; G.R. Azevedo, J.L. Balino, Universidade de Sao Paulo		
1545	28123	
A Step Change in Safety and Quality for ESP Deployment in the North Sea		
L.F. Pastre, W. Barclay, D. Elrick, A. Kriptanto, Schlumberger		
1610	28132	
Subsea Demulsifier Injection To Reduce Emulsion Viscosity and Enhance Crude Oil Production		
M.C. Oliveira, L.F. Paiva, F.A. Meireles, R. Mendes, P.M. Silva, L.G. Machado, Petrobras		
1635	28108	
Advanced Control For Gas-lift Well Optimization		
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
Offshore Logistic and Decommissioning		
SESSION CHAIRPERSONS:		
Luis Gustavo Storino Bastos, Shell Brasil Ltda Juliana Seixas, Halliburton		
1430	27951	
Tracking of Materials and Equipment Used in Planned Maintenance Shutdowns on Offshore Platforms: An Approach using RFID		
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	
Estimation of Diesel Supply Vessels in Offshore Oil and Gas Activities through Dynamic Simulation		
V.A. Silva, P.C. Moreira, R.P. Leite, Petrobras		
1520	28157	
Analytical and Experimental Analysis of Friction Forces Inside Curved Pipes		
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	
A Solution to Optimize the Logistics of a Fleet of Workover Vessels Applied to Offshore Operations in the Gulf of Mexico		
D. Vasconcelos, Halliburton; E.M. Nogueira, formerly Halliburton; S. Sousa, R. Charrouf, Halliburton		
1610	28124	
Epoxy Resin Helps to Restore Well Integrity in Offshore Well—Case History		
M.V. Perez, J. Melo, R. Blanc, A. Roncete, P. Jones, Halliburton		
1635	28024	
The Effectiveness of the Infraction Notice as a Tool of the Regulation System		
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
Life Extension of Offshore Fields and Platforms		
SESSION CHAIRPERSON:		
Rajiv Aggarwal, Consultant		
João Carlos Rodrigues, JCR Engenharia		
1430	28158	
A Proactive Risk Based Maintenance and Optimization Strategy for High Performance Offshore Assets		
T. Nolan, ABS Group		
1455	28012	
Developing a Digital Twin for Floating Production Systems Integrity Management		
D. Renzi, D. Maniar, S. McNeill, C. Del Vecchio, Stress Engineering Services, Inc.		
1520	28074	
Risk Based Ship Collision Assessment For Floating Structures		
J. van de Graaf, H. Singh, A.R. Anaturk, Shell Global Solutions International BV		
1545	28044	
Measured Data Provides Insight for Floating Systems Life Extension		
S. McNeill, D. Maniar, D. Renzi, C. Del Vecchio, Stress Engineering Services, Inc.		
1610	28080	
Monitoring Flexible Risers with Optical Sensors - Operational Experience and Future Perspectives		
B.M. Santiago, S.R. Morikawa, W. Carrara, A. Kravetz, J.A. Martins, Petrobras		
1635	28078	
Real-Time Asset Optimisation - Integrity Management of Flexible Pipe Systems: Meeting the Challenge		
G. Eckold, R. White, Baker Hughes, a GE company		

1430–1700	Room 210	28
Material Selection and Corrosion		
SESSION CHAIRPERSONS:		
Pascoal Bordignon, CBMM Consultant		
Da Zhu, RGL Reservoir Management Inc.		
1430	28198	
Chokes in Series Provide Safe Testing Operations in Wells with Abrasive Solids		
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	
Investigation of Electroless Nickel-Phosphorus Coating as an Alternative to Corrosion/Fouling Resistant Alloys in Downhole Service		
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	
Development of Alkoxylated Fatty Diamines as new Film-forming Corrosion Inhibitors		
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	
A Novel Approach to Reliability Qualification Testing: Key Constituent in Successful Development of Electrohydraulic Flow Control Device		
A. Balasubramanian, B. Gissler, P. Shrivastava, S. Saldanha, Halliburton		

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

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1430–1700	Room 203 A	SE19	1430–1700	Room 203 B/C	SE20
Advanced Geophysical Technologies for Reservoir Characterization and Monitoring			E&P Strategies To Achieve Success in a Low Oil Prices Scenario		
SESSION CHAIRPERSONS: Paulo Johann, Petrobras Luiz Braga, SBGf			SESSION CHAIRPERSON: Solange da Silva Guedes, Petrobras		
PANELISTS: Adrian Smith, CGGVeritas Christian Deplante, Total Paulo Johann, Petrobras Kanglin Wang, Shell Christopher Walker, Seabed Solutions Valente Ricoy, EMGS			PANELISTS: 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		