

SCHEDULE OF EVENTS

DAY 1 – TUESDAY 15 OCTOBER 2013

	ROOM 1	ROOM 2
0830–1730	Registration (Exhibition Open 0900–1800)	
0930–1000		
1000–1200	Plenary Session 1: Sustainable Development in the Arctic and High North—Cooperation Across Borders and Regional Politics SPE Regional Awards Ceremony	
1230–1330		
1330–1530	Multidisciplinary Panel Session: Arctic Development: strategies, case studies, technology innovations	
1530–1600		
1600–1800	Technical Session 2 Drilling and Well Construction - 1	Technical Session 3 Site Investigation - 1
1800–2000		

DAY 2 – WEDNESDAY 16 OCTOBER 2013

	ROOM 1	ROOM 2
0830–1730	Registration (Exhibition Open 0900–1800)	
0940–1000		
1000–1200	Plenary Session 2: Extreme Environments—Challenges, Experiences and Lessons Learnt	
1230–1330		
1330–1530	Technical Session 5 Drilling and Well Construction- 2	Technical Session 6 Site Investigation - 2
1530–1600		
1600–1800	Technical Session 8 Drilling and Well Construction -3	Technical Session 9 Site Investigation -3

DAY 3 – THURSDAY 17 OCTOBER 2013

	ROOM 1	ROOM 2
0830–1530	Registration (Exhibition Open 0900–1630)	
0930–1000		
1000–1200	Plenary Session 3: HSE Challenges in Emerging Frontiers	
1200–1230		
1230–1430	Technical Session 11 Offshore and Onshore Field Development - 1	Technical Session 12 Oil Spill Prevention/ Latest Technologies-2
1430–1500		
1500–1700	Technical Session 14 Offshore and Onshore Field Development - 2	Technical Session 15 Production and Reservoir Management-2

SCHEDULE OF EVENTS

	ROOM 3	ROOM 4	EXHIBITION HALL	YOUNG PROFESSIONALS HALL
			Poster Session (Geology and Geophysics, 0930-1800) Knowledge Sharing ePoster presentations (Geology and Geophysics)	Student Paper Contest: Undergraduates (0900 -1400)
		Topical luncheon	Knowledge Sharing ePoster presentations (Drilling and Well construction)	
	Technical Session 1 Standards and Legislation			Round Table On Student Off-Campus Trainings (1400-1800)
			Knowledge Sharing ePoster presentations (Geology and Geophysics/ Site Investigation)	
	Technical Session 4 Geology and Geophysics			
			Evening Reception	

	ROOM 3	ROOM 4	EXHIBITION HALL	YOUNG PROFESSIONALS HALL
			Knowledge Sharing ePoster presentations (Oil Spill Prevention)	Student Paper Contest: Masters (0900 -1200)
		Topical luncheon	Knowledge Sharing ePoster presentations (Production and Reservoir Management/ Recruitment and Human Capabilities)	
	Technical Session 7 Latest Technologies -1			Student Paper Contest: PhD (1400 - 1800)
			Knowledge Sharing ePoster presentations (Production and Reservoir Management/ Site Investigation)	
	Technical Session 10 Production and Reservoir Management-1			

	ROOM 3	ROOM 4	EXHIBITION HALL	YOUNG PROFESSIONALS HALL
			Poster session (Offshore and Onshore Field Development, 0930-1700) Knowledge Sharing ePoster presentations (HSE and Social Responsibility)	Young Professionals Session (1215 - 1700)
			Knowledge Sharing ePoster presentations (Offshore and Onshore Field Development/ Latest Technologies)	
	Technical Session 13 Oil and Natural Gas Potential			
	Technical Session 16 HSE and Social Responsibility		Knowledge Sharing ePoster presentations (HSE and Social Responsibility)	

PLENARY SESSIONS

PLENARY SESSION 1

► SUSTAINABLE DEVELOPMENT IN THE ARCTIC AND HIGH NORTH — COOPERATION ACROSS BORDERS AND REGIONAL POLITICS

Tuesday, 15 October, 2013, 1000–1200

Session Moderators:

Anatoly Zolotukhin, Gubkin Russian State University of Oil and Gas, Programme Committee Cochair
Renaud Gauchet, Total E&P Russie, Programme Committee Cochair

- **Arctic Politics: Cooperation or Confrontation?**
Presented by: Anthony Brenton, Cambridge University
- **Hydrocarbon Resources Development and the Environment in the Arctic**
Presented by: Anatoly Zolotukhin, Deputy Chancellor, International Affairs, V. Ryzhkov, Gubkin Russian State University of Oil and Gas, A. Ivakin, University of Washington, Seattle, USA
- **Development Prospect of the Russian Arctic**
Presented by: Maxim Nechaev, Director, Consulting /Russia, IHS CERA
- **Key Drivers for Economic Offshore Arctic Development**
Presented by: Bill Scott, General Manager – Chevron Arctic Center

PLENARY SESSION 2

► EXTREME ENVIRONMENTS — CHALLENGES, EXPERIENCES AND LESSONS LEARNT

Wednesday, 16 October, 2013, 1000–1200

Session Moderators:

Leonid Surguchev, LUKOIL Overseas North Shelf AS
Han Tiebout, GustoMSC B.V.

- **Development of Innovative Oil and Gas Technologies and Equipment for Arctic Shelf and Extreme Environments**
Presented by: Vadim Petrenko, Head of Directorate of Engineering and Offshore Field Development Technology, Gas, Gas Condensate and Oil Production Department, Gazprom
- **Industrial and Environmental Risks of Offshore Drilling Operations in Western Arctic**
Presented by: Oleg Sochnev, Deputy Director of Environmental Safety and Technology Department, Rosneft
- **Arctic Technical Challenges/Experiences and Lessons Learnt**
Presented by: Mitch Winkler, Manager, Arctic, Shell International Exploration and Production Inc.
- **Technology – the Key to Successful Exploration and Production**
Presented by: John Milne, Director of Exploration, Russia, Statoil ASA

PLENARY SESSION 3

► HSE CHALLENGES IN EMERGING FRONTIERS

Thursday, 17 October, 2013, 1000–1200

Session Moderators:

Mikhail Tokarev, Moscow State University (MSU)
Elena Lebedeva, ERM Eurasia

- **Environmental Problems of the Arctic Offshore Oil and Gas Development: Need for Understanding**
Presented by: Vasily Spiridonov, Marine Programme Coordinator, WWF Russia
- **Safety and Emergency Response in Statoil**
Presented by: Øyvind Halle, Platform Manager, Statoil
- **Joint Industry Programme (JIP) on Oil Spill Contingency for Arctic and Ice Covered Waters**
Presented by: John Campbell, International Association of Oil and Gas Producers (OGP)

EVENTS HIGHLIGHTS

MULTIDISCIPLINARY PANEL SESSION

► ARCTIC DEVELOPMENT: STRATEGIES, CASE STUDIES, INNOVATIVE TECHNOLOGY

Tuesday, 15 October, 2013, 1330-1530

Session Moderators:

Anatoly Zolotukhin, Gubkin Russian State University of Oil and Gas, Programme Committee Cochair
Renaud Gauchet, Total E&P Russie, Programme Committee Cochair

- **Current Status, Prospects and Challenges of Oil and Gas Industry Development in Russia and Other Arctic Countries**
Presented by: Vasily Bogoyavlensky, Member of the Russian Academy of Sciences
- **Exploring Cementing Practices Throughout the Arctic Region – ATC 2012 best presentations**
Presented by: Mikhail Popov, Well Integrity Technology Domain Champion in Russia and Central Asia Area, Schlumberger
- **Oil Spill Response at the Prirazlomnoye Field**
Presented by: Andrey Marichev, Head of Offshore Project Appraisal Laboratory, Gazprom VNIIGAZ
- **Petroleum Development and Production in the Arctic**
Presented by: Geir Utskot, Arctic Manager, Schlumberger
- **Analysis of the Rescue Preparedness in the Seas**
Presented by: Andrey Khaustov, First Deputy of Director, State Marine Emergency Salvage, Rescue and Pollution Prevention Coordination Service of the Russian Federation

► TOPICAL LUNCHEONS

15 October, 1230-1330

Topic: The “Arctic 2012” Project: Complex Geological and Geophysical Research Results From the Mendeleev Ridge

Presented by: Mikhail Shkatov, Director, Sevmorgeo

16 October, 1230-1330

Topic: Ice Breaking Vessels for Arctic Applications

Presented by: Mikko Niini, Managing Director of Aker Arctic

EVENT HIGHLIGHTS

ADDRESSING THE CHALLENGES OF BIG CREW CHANGE

► YOUNG PROFESSIONAL SESSION

17 October, 1215–1700, Young Professionals Hall

Spearheaded by Russia and Caspian SPE Advisory Committee co-chairs Vladimir V. Mulyak and Gokhan Saygi, SPE are pleased to run special Young Professional Technical Session at the SPE Arctic and Extreme Environments Conference and Exhibition.

Winners from internal young professionals contests from Gazprom, Rosneft, Gazprom Neft, LUKOIL, Tatneft and other companies will present during this session (For further details see page...)

► REGIONAL STUDENT PAPER CONTEST

15 October, 0900–1400 Young Professionals Hall

16 October, 0900–1800 Young Professionals Hall

Student paper contest jury:

George Gamsakhurdia, Fugro Engineering;
Vladimir Basovich, Akvatik-DP;
Yuri Kuznetsov, Karotazhnik.

There will be two divisions - the undergraduate contest (15 October) where 12 students will present their studies and the postgraduate contest (Masters and PhD, 16 October), where nine presentations have been planned in each sub-category.

50 abstracts from 17 Universities within Russia, Kazakhstan and Azerbaijan have been received.

Exhibitor and visitors are both welcome to attend.

► ROUND TABLE ON STUDENT OFF-CAMPUS TRAININGS

15 October, 1400-1800 Young Professionals Hall

To improve and accelerate competency of university graduates, a roundtable on student off-campus training will be held on 15 October 2013, from 1400 to 1800, in Young Professionals Hall. This event will be hosted by the Society of Petroleum Engineers and geology faculty at Moscow State University. The roundtable will address important challenges, including student practices, cooperation between universities and operating and services companies, and technical equipment in student training centres. We invite students and representatives from universities and oil and gas companies to participate in the discussion.

► LEGENDS OF THE OIL AND GAS INDUSTRY

16 October, 1230 Young Professionals Hall

Kola Ultra-Deep Well - a Breakthrough of XX Century

Key Speakers: V. Basovich, Yu.Kuznetsov

In this session V. Basovich, deputy director of science, research and development at Kolskaya and Yu Kuznetsov, chief geophysicist at the Kola ultra-deep well (1969-2003) will explore the Technical and technological aspects of drilling and testing of the deepest well in the world in the Kola Peninsula. The geological and geophysical results will also be explored.

The Kola Superdeep Borehole began as a scientific drilling project by the Soviet Union on the Kola Peninsula. The project attempted to drill as deep as possible into the Earth's crust. A number of boreholes were drilled by branching from a central hole. The deepest, SG-3, reached 12,262 metres (40,230 ft) (2.21 leagues) in 1989, and is the deepest hole ever drilled, and the deepest artificial point on Earth. For two decades it was also the world's longest borehole, in terms of measured depth along the well bore, until surpassed in 2008 by the 12,289 m (40,318 ft) long Al Shaheen oil well in Qatar.

1330-1530 TECHNICAL SESSION 1 STANDARDS AND LEGISLATION

Session moderators: **Andrey Tsunevskiy, Gazprom; Marat Mansurov, Gazprom VNIIGAZ**

SPE-166973	Arctic Drilling Activities: Critical Review of the International Safety Standards, Technical Regulations and Regulatory Regimes	M. Mosesyan, Lukoil Overseas North Shelf AS; M. Mukhoryamov, Lukoil Overseas Service B.V.
SPE-166974	Features of the Russian License and Tax Policy at Offshore Oil and Gas Fields Development	A. Cherepovitsyn, N. Smirnova, St.Petersburg National Mineral Resources University
SPE-166975	Pipelines Design and Construction Codes	V. Gaffard, Total SA; C. Mckinnon and D. Gafiyatullin, JP Kenny
SPE-166976	Russian Tax and License Policy – a Hurdle for Offshore Development?	L. Lunden, Sibra Group
SPE-166977	A Review of International Environmental and Social Guidelines for Oil and Gas Activities, Current Requirements and Possible Future Developments	C. Lloyd, J. Perry, ERM
SPE-166978	Ecological Monitoring of Coastal and Shelf Zone: Analysis of Russian Regulatory Structure	N. Shabalin, MSU Arctic and Marine Research Centre

1600-1800 TECHNICAL SESSION 2 DRILLING AND WELL CONSTRUCTION - 1

Session moderators: **Andrey Kharitonov, Halliburton; Michael Dommenz, KCA DEUTAG DRILLING GMBH**

SPE-166848	Development of Solutions for Arctic Offshore Drilling	A. Wassink, R. Van Der List, GustoMSC
SPE-166839	Safe and Clean Marine Drilling with Implementation of "Riserless Mud Recovery Technology - RMR"	R. Rezk, AGR Subsea AS
SPE-166844	Development of Onshore Drilling Complex of XXI Century for Extended Reach Drilling in the Arctic	G. Buslaev, D. Molokanov, N. Tskhadaya, O. Buslaeva, Ukhta State Technical University
SPE-166841	Hybrid Drill Bit for Horizontal Drilling in Highly Interbedded Formations of Timano-Pechora Arctic Fields	K. Kamatov, Baker Hughes
SPE-166852	Integrated BHA Improves ROP by 62% in ERD Operation Saving 29 Days Rig-Time, Sets Russian Lateral Length Record	T. Kasumov, SPE, LUKOIL, A. Valisevich, V. Zvyagin, LUKOIL - Nizhnevolzhskneft; M. Kozhakhmetov, R. Griffon, SPE, W. Long, SPE, Schlumberger
SPE-166843	Engineering Protection for Permanent Offshore Platform against Ice Impact in the Arctic Shelf	N. Kutvitskaya, A. Ryazanov, Fundamentproekt

1600-1800 TECHNICAL SESSION 3 SITE INVESTIGATION - 1

Session moderators: **Alexander Papusha, Murmansk State Technical University; Marsel Gubaidullin, North Arctic Federal University**

SPE-166925	Relic Gas Hydrates and the Possibility of their Existence in the Permafrost within South-Tambey Gas Field	E. Chuviilin, V. Tumskey, A. Gavrilov, B. Bukhanov, E. Tkacheva, MSU; G. Tipenko, IEG RAS; A. Audibert-Hayet, Total E&P, E. Cauquil, Total S.A.
SPE-166934	Laboratory Modeling of Mass Transfer During Internal Wave Interaction with Bottom Profile in the Shelf Zone	O. Shishkina, Institute of Applied Physics, RAS
SPE-166951	Feature of Gravity Current which Propagate with Mass Transfer with Bottom Sediments	I. Zaviyalov, I. Yakimov, Moscow Institute of Physics and Technology
SPE-166931	Software Development to Assess Seismic Resistance of Oil and Gas Complex Ground Facilities	V. Golubev, N. Khokhlov, I. Petrov, Moscow Institute of Physics and Technologies
SPE-166929	The Integrated Assessment and Large-scale Zoning of the North-Eastern Shelf of the Black Sea on the Geohazards	S. Mironuk, Piter Gaz
SPE-166945	Dual-Band Radar with a Radio Interferometric Channel for High-Accuracy Ice Situation Estimate	M. Isakov, E. Smirnov, A. Remishevsky, NTP "Salut"; A. Baskakov, Moscow Power Engineering Institute

1600-1800 TECHNICAL SESSION 4 GEOLOGY AND GEOPHYSICS

Session moderators: **Vasily Bogoyavlensky, RAS Oil and Gas Institute; Yuri Ampilov, Petroleum Geo-Services ASA – PGS Russia**

SPE-166821	Influence of Permafrost on Seismic Subsurface Imaging in Alaska	R. Matson, D. Yancey, BP Alaska, K. Wolf, BP Houston
SPE-166822	Experience of Application of Extended Logging Suite and Formation Testers for characterization of Jurassic Age Deposits of the Em-Egovsky Field	A. Phillimonov, D. Ezersky, A. Tsiklavov, S. Egorov, I. Mikhaltseva, P. Weinheber, M. Charupa, Schlumberger, M. Martynov, A. Kozlov, A. Platonov, TNK-Nyagan
SPE-166823	Geosciences and Reservoir Integration – Key to Better Predict Behavior of Complex Fractured and Karstified Kharyaga Field	N. Shchukina, Total E&P Russie, C. Neumann, V. Spina, J. Debroux and G. Nely, Total
SPE-166824	Transition Zone Seismic Acquisition on the Alaska North Slope, Simpson Lagoon	K. Ahmad and L. Wyman, BP
SPE-166825	Integration of a Complex Log Data Suite for the Evaluation of Pokurskaya Formation in Western Siberia	M. Charupa, P. Weinheber, A. Latypov, D. Ezersky, I. Vishnevskaya, R. Tukhtaev, Schlumberger; A. Pasyukov, E. Bikeev, E. Tikhomirov, Gazpromneft-Razvitie
SPE-166830	Innovative Seismic Technology for Survey Work in the Challenging Environments of the FarNorth and Arctic Seas	D. Tomashin, FairfieldNodal, S. Gorbachov, LARGEONefteGazService

0930 - 1800 POSTER SESSION GEOLOGY AND GEOPHYSICS

SPE-166836 Using of Post-critical Reflections in the Parametric Scanning of Reflections (PSR) Technique - Means of Obtaining Seismic Information in Complex Geological Conditions V. Kondrashkov, A. Glagolev, PANGEYA

SPE-166838 Oceanic Loading Effect for Gravity Prospecting E. Spiridonov, UIPE RAS

0930 - 1000 KNOWLEDGE SHARING PRESENTATIONS GEOLOGY AND GEOPHYSICS

SPE-166833 The Borehole Gravity Meter: Development and Results C. Nind, Scintrex Ltd; J.D. MacQueen, Micro-g LaCoste; R. Wasylechko, Abitibi Geophysics

SPE-166834 GEOSPINE: Mathematical Model of 3D Complex Geological Medium G. Maksimov, V. Larichev, D. Lesonen, A. Derov, N.N. Andreyev Acoustical Institute, GEOSPINE

SPE-166837 Technical Considerations For Conducting Marine Seismic, Geotechnical and Site Surveys In Arctic Regions R. Naylor, RPS Energy Limited

1230 - 1330 KNOWLEDGE SHARING PRESENTATIONS DRILLING AND WELL CONSTRUCTION

SPE-166857 Technology of Productive Horizons Casing Perforation by Drilling of Branched Channels with Midget Diameter and Curvature Radius I. Lyagov, St.Petersburg National Mineral Resources University, M. Lyagova, Ufa State Petroleum Technological University

SPE-166855 Improving Multistation Analysis of MWD Directional Magnetic Surveys K. Bulychenkov, Schlumberger

SPE-166859 Increasing the Frost- Resisting Properties of Cement Stone in Casing and Cementing of Wells through the Use of Magnesia Cement Material A. Pastukhov, G. Tolkachov, A. Kozlov, A. Anisimova, Perm National Research Polytechnic University

SPE-166861 Improvement of Bottom-Hole Cleaning after Hydraulic Fracturing on Urengoy Oil and Gas Condensate Field I. Buryak, Gazprom podzemremont Urengoy

SPE-166862 New Technologies Application to Solve Practical Challenges in Exploration and Development of Hydrocarbon in the Russian Sector of Caspian Sea S. Deliya, A. Valisevich, LUKOIL-Nizhnevolzskneft; A. Abetov, K. Bulybenko, R. Khusainov, Schlumberger

23849 (OTC) A New Low Temperature Drill Pipe Maximizing Safety and Performance in Low Temperature Environment K. Elbachiri, P. Machecourt, VAM Drilling

1530 - 1600 KNOWLEDGE SHARING PRESENTATIONS GEOLOGY AND GEOPHYSICS/ SITE INVESTIGATION

SPE-166829 InSitu Real Time Wireline Formation Testing Unlocks Early Additional Reserves in Kazakhstan: Case Study A. El Battawy, SPE, Schlumberger; K. El Khatib, MOL

SPE-166831 Successful Application of Special Log Interpretation Methodology for Estimation of Petrophysical Properties of Thin-Bedded Reservoirs of Vikulovskaya Layers of Krasnoleninskoe Oilfield A. Philimonov, V. Blinov, S. Egorov, D. Ezersky, P. Weinheber, Schlumberger, M. Martynov, A. Kozlov, F. Leskin, TNK-Nyagan

SPE-166946 The Risks of Changes of Soils Properties at the Transformation of Oil Pollutions of Geological Environment Under the Influence of Living Matter A. Khaustov, SPE, M. Redina, SPE, Peoples' Friendship University of Russia

1330-1530 TECHNICAL SESSION 5 DRILLING AND WELL CONSTRUCTION - 2

Session moderators: Bill Scott, Chevron Arctic Center; Nastassia Kazourova, Schlumberger

SPE-166850	Improved Geomagnetic Referencing in the Arctic Environment	B. Poedjono, N. Beck, SPE, Schlumberger; S. Maus, SPE, Magnetic Variations; C. Finn, W. Worthington, T. White, U.S. Geological Survey; B. Luca, A. Buchanan, SPE, Eni Petroleum
SPE-166845	Optimizing Underground Thermal Reserves by Insulating the Wellbore, Monitoring and Modelling Wellbore Temperature, in the Kharyaga Field's Arctic Tundra Environment	J. Danquigny, Total S.A., E. Eropkin and A. Semenov, Total E&P Russia
SPE-166846	"Secure Drilling" Services for Safe and Effective Drilling	S. Kulikov, G. Veliyev and V. Zakomoldin, A. Bakhtin, Weatherford
SPE-166851	A Novel Approach to Fluid Selection to Drill Pay Zones in Eastern Siberia: an Engineered Oil-in-Water Emulsion	A. Kharitonov, R. Burdukovsky, S. Pogorelova, Halliburton; S. Rodin, N. Kostarev, A. Usenko, and E. Khampiev, Taas-Yuriakh Neftegazodobycha
SPE-166854	Interactions between Solids and Surfactants of Water-Based Drilling Fluids at Extreme Condition	M. Thomas, DrillTech; E. Linordako, DigitalRock; N. Vikiviki, Lito-Resource; B. Niclasis, Pine energy
SPE-166855	Collaborative Drilling Technical Team, Secures Project Performance	R. Kasumov, SPE, Y. Gallyamova, SPE, R. Akanaev, SPE, E. Dolgushin, L. Gavrilov, SPE, Schlumberger, A. Romanov, Sakhalin Energy

1330-1530 TECHNICAL SESSION 6 SITE INVESTIGATION - 2

Session moderators: Tatyana Lapteva, Gazprom VNIIGAZ; Mikhail Tokarev, Lomonosov MSU Oil and Gas Research Centre

SPE-166941	Stability and Strength of the Subsea Pipeline under Iceberg Load in the Arctic	A. Papusha, D. Gontarev, Murmansk State Technical University; D. Kazunin, TRANZAS; V. Vasilevich, S. Kiyalbieva, Gubkin Russian State University of Oil and Gas
SPE-166940	Heat Flows and Sea Water Filtration into Soils of the Arctic Shelf near-Shore Areas	Yu. Fomin, V. Zhmur, MIPT; A. Marchenko, UNIS; D. Onizhenko, Gazprom VNIIGAZ
SPE-166926	Some Specific of Physical, Strength and Deformation Characteristics of Cooled Soils of Pechora and Kara Seas	S. Kulikov, L. Arushanyan, AMIGE
SPE-166930	New standard ISO 19901-8 (Marine Soil Investigations) and Russian Practice of Engineering-Geological Offshore Surveys	A. Loktev, AMIGE
SPE-166939	Influence Assessment of Suspension Particles of the Dispersed Near-Bottom Ground on Subsea Pipelines Stability on the Continental Shelf	M. Mansurov, T. Lapteva, Gazprom VNIIGAZ
SPE-166935	Cone penetration Testing in Deepwater Barents Sea regions: Field Operations, Data Processing and Interpretation	S. Manzhosov, Subsea Survey Solutions

1330-1530 TECHNICAL SESSION 7 LATEST TECHNOLOGIES - 1

Session moderators: Annie Audibert-Hayet, Total E&P; Michael Dommenez, KCA DEUTAG DRILLING GMBH

SPE-166914	Assessment for Concept of Fracturing Mechanics in Bazhenov - Tumen Rock of Em-Yoga Field Krasnoleninsk Arch West Siberia	A. Platonov, M. Nikolaev, F. Leskin, I. Davydenko, M. Martynov, Rosneft
SPE-166916	Forecasting of Hazardous Layers at the Exploration Wells Drilling Stage	K. Antipova, O. Kulakova, Samara State Technical University
SPE-166917	New Technologies in Geosteering on Example of South Tambey Gas-Condensate Field	E. Bondarev, O. Leontieva, Yamal SPG, M. Sharov, Schlumberger
SPE-166918	Extended Reach Exploratory Well Successfully Drilled on D41 Structure of Baltic Sea Shelf (Russian Sector)	K. Mazaev, M. Akhmetov, S. Kostin, Schlumberger; S. Olimpiev, V. Andrianov, V. Solovyanchik, V. Ryaboshapka, LUKOIL, V. Aleshkov, BKE
SPE-166919	Application of Aluminum Alloy Tube Semis: Problems and Solutions in the Development of Exploration, Production and Transportation Business of Hydrocarbons in the Arctic	M. Gelfgat, SPE, V. Chizhikov, S. Kolesov, Weatherford; A. Alkhimenko, St. Petersburg State Polytechnic University; V. Shaposhnikov, Krylov State Research Centre
SPE-166922	Case Studies: E-line 'Heavy' Workovers in High Latitude Environments	B. Sidle, SPE, R. Crist, K. Kirsanov, I. Novikov, J. Albright, SPE, J. Ray, Welltec

1600-1800 TECHNICAL SESSION 8 DRILLING AND WELL CONSTRUCTION - 3

Session moderators: Andrey Kharitonov, Halliburton; Jens Jorgen Madsen, Maersk Drilling Copenhagen

SPE-166840	The Principles of Selection and Optimization of Drilling Fluid for Drilling Operations in the Vankor Field in Eastern Siberia	A. Kharitonov, R. Burdukovsky, S. Pogorelova, Halliburton and S. Sidubayev, Rosneft - Bureniye
SPE-166842	Designing Drilling Muds to Combat Circulation Losses in Arctic Environments	M. Belayneh, B. S. Aadnø, University of Stavanger
SPE-166847	Environmentally Compatible Drilling Fluids for Use in Arctic Conditions	S. Pilgun, A. Aramelev, Burtehnologii
SPE-166849	Optimized Particles Size Distribution Lightweight Cement at Low Temperatures: Case Study from Eastern Siberia, Russia	A. Malyshev, T. Doronina, M. Popov, A. Ryabchikov, Schlumberger; V. Shulga, Verkhnechonskneftegaz
SPE-166856	Complex of New Solutions of Well Cementing in Deep North Conditions	A. Korostylev, I. Belei, TyumenNIIgiprogoz, V. Gilfanov, Gazprom
SPE-166853	Solid Polymer Prevents Gas Migration into Cement Slurry in Subzero Conditions	I. Isgenderov, SPE, V. Osayande, SPE, K. Docherty, SPE, and M. Bogaerts, SPE, Schlumberger

1600-1800 TECHNICAL SESSION 9 SITE INVESTIGATION - 3

Session moderators: Marsel Gubaidullin, North Arctic Federal University; Trygve Birkeli, Falck Nutec AS – Russia

SPE-166927	Coastal Dynamics Monitoring at the Barents and Kara Seas	A. Vergun, A. Baranskaya, N. Belova, A. Kamalov, O. Kokin, D. Kuznetsov, N. Shabanova, S. Ogorodov, Lomonosov Moscow State University, Zubov State Oceanography Institute
SPE-166928	Climate Change on the Yamal Peninsula and its Impact on the Exogenous Processes	N. Shabanova, Zubov State Oceanographic Institute, C. Channelliere, Total SA
SPE-166932	Investigations of Coastal Erosion Processes in Varandey area, Barents Sea	A. Sinitsyn, The University Centre in Svalbard; O. Kokin, A. Vergun, L. Udalov and S. Ogorodov, Lomonosov Moscow State University; E. Guegan, Norwegian University of Science and Technology
SPE-166936	Effect of Fault Tectonics on the Surface Subsidence During the Oil and Gas Production	I. Garagash, Institute of Physics of the Earth, RAS
SPE-166981	An Innovative Approach to Engineering and Maintenance of Multiply Well Platforms of Oil and Gas Fields in the Conditions of Permafrost Development	A. Kravets, K. Polozkov, Nordecos Eurasia
SPE-166938	Study of the Temperature of Near-Surface Permafrost Layers to Providing Their Stability During the Operation of Oilfields	M. Gubaidullin, NARFU, N. Makarsky, Polar Lights Company

1600-1800 TECHNICAL SESSION 10 PRODUCTION AND RESERVOIR MANAGEMENT - 1

Session moderators: Renaud Gauchet, Total E&P Russie; Yuri Naumov, Weatherford

SPE-166891	Optimizing ESP Performance in the Kharyaga Field	M. Falla, T. Komova, Total; I. Osipova, E. Cuadros and R. Shaikhutdinov, Schlumberger
SPE-166892	Workflow of Integrated Model Building for Two Gas-Condensate Reservoirs of Giant Urengoykoe Field	A. Ignatiev, Rosneft, S. Bikbulatov, I. Mukminov, S. Romashkin, ROSPAN INTERNATIONAL; S. Buchinskiy, Tyumen Petroleum Research Center; E. Vikulova, RN-Arctic-Shelf
SPE-166893	Method of Energetic Interconnected Junctions of Large-Scale Inflow to Smart Wells Constructed in Elaborate Reservoirs	V. Popkov, SPE, S. Zatschina, SPE, I. Khamitov, SPE, V. Shakshin, SamaraNIPneft
SPE-166894	Integrated Approach to the Modeling and Performance Evaluation of Free Gas Breakthrough Sealing with Foam Systems under the Oil Rim of the Caspian Sea	Ya. Simakov, A. Moseyan, Petroleum Technologies
SPE-166895	Problems of Oil and Gas Production Associated with the Halite Depositing in the Verkhnechonskoe Oil and Gas Condensate Field	E. Chertovskikh, Verkhnechonskneftegaz; A. Lapoukhov, Gazpromneft-NTC
SPE-166896	Justifying the Optimal Length of Horizontal Wells by the Results of Multiple Flow Simulation Runs	A. Levanov, S. Silvestrov, E. Ustyugova, T. Pospelova, Tyumen Petroleum Research Center

0940 - 1000 KNOWLEDGE SHARING PRESENTATIONS OIL SPILL PREVENTION

SPE-166870	A Method and an Apparatus for Killing an Uncontrolled Oil-Gas Fountain at an Offshore Oil Platform Using a Telescopic Rod Assembly	S. Tseytlin, Tseytlin Consulting
SPE-166871	Methods and Devices for Determination of Gas-Kick Parameters and Prevention of Well Explosion	S. Tseytlin, Tseytlin Consulting

1230 - 1300 KNOWLEDGE SHARING PRESENTATIONS PRODUCTION AND RESERVOIR MANAGEMENT

SPE-166903	Non-Regular Well Placement Optimization	A. Ermolaev, A. Kuvichko, Gubkin Russian State University of Oil and Gas
SPE-166907	Energy-efficient Oil and Gas Fields Operation on the Basis of "Smart" Wells Equipped with Multiphase Flow Meters	V. Shumilin, S. Shumilin, Petroleum Technology
SPE-166909	Wavelet-based Transform Analysis for Non-Darcy Gas Flow Noisy Data Interpretation	D. Ivaschenko, A. Davletbaev, I. Bulatov and V. Baikov, RN-UfaNIPneft; G. Seidl, Montanuniversität Leoben; E. Simon, RN-Purneftegaz

1300 - 1330 KNOWLEDGE SHARING PRESENTATIONS RECRUITMENT AND HUMAN CAPABILITIES

SPE-166969	Competency Requirements for Mariners in the Arctic Offshore	B. Maddock, BP Upstream Technology; R. Simpson, BP Global Wells Organization
SPE-166970	Determination of Professional Fitness of Shift Workers in Accordance with the Phase Assessment of Environmental Factors in the Far North	Ya. Korneeva, N. Simonova, G. Degteva, Northern State Medical University, Northern (Arctic) Federal University named after M.V. Lomonosov
SPE-166972	Problems and Perspectives of Development of the Professional Education for Exploitation of Hydrocarbon Resources in the Arctic and the High North	N. Tskhadaya, D. Bezgodov, G. Buslaev, Ukhta State Technical University

1530 - 1600 KNOWLEDGE SHARING PRESENTATIONS PRODUCTION AND RESERVOIR MANAGEMENT/ SITE INVESTIGATION

SPE-166912	Method for C5+ Content Estimation in Produced Gas Condensate	K. Rymarenko, SPE, D. Rudenko, SPE, Schlumberger
SPE-166944	Hydrates Plug Removal by Coiled Tubing Technique in Subsea Gas Pipeline	M. Nepomiluev, Murmansk State Technical University, D. Koshkin, Schlumberger

1230-1430 TECHNICAL SESSION 11 OFFSHORE AND ONSHORE FIELD DEVELOPMENT - 1

Session moderators: Bill Scott, Chevron Arctic Center; Leonid Surguchev, LUKOIL Overseas North Shelf AS

SPE-166885	Approach to Optimization of Acid Treatment in Oil Reservoirs	I. Volnov, S. Suchok, P. Obsharov, LUKOIL Overseas Servis B.V.
SPE-166886	Russkoe Heavy Oil Field: Complexity and Exploration Prospects	M. Svarovskaya, ROSPAN INTERNATIONAL; A. Zolotukhin, Gubkin Russian State University of Oil and Gas; I. Edelman, Rosneft, S. Schmidt, Schlumberger Logelco Inc.
SPE-166887	Development History Case of a Major Oil-Gas-Condensate Field in a New Province	V. Grinchenko, A. Miroshnichenko, D. Anuriev, Tyumen Petroleum Research Center, Ya. Gordeev, Verkhnechonskneftegaz; A. Lazeev, Rosneft
SPE-166888	Performance Evaluation of Gas Condensate Wells Treatment with LNG Rims and Dry Gas Displacement	D. Glumov, S. Buchinsky, E. Reitblat, Tyumen Petroleum Research Center
SPE-166889	Engineering Approach to Solving Problems of Flooding of Low-Permeability Compartmentalized Reservoirs	E. Yudin, SPE, A. Lubnin, SPE, RN-Yuganskneftegas
SPE-166890	The impact of Thermogas Technologies on the Bazhenov Formation Studies Results	V. Kokorev, V. Darizshev, I. Akhmadeishin, K. Tshkoldin, RITEK; A. Boxerman, Zarubezhneft

1230-1430 TECHNICAL SESSION 12 OIL SPILL PREVENTION/ LATEST TECHNOLOGIES - 2

Session moderators: Mikhail Gelfgat, Weatherford; Nastassia Kazourova, Schlumberger

SPE-166866	Microbial Utilization of the Oily Wastes in the Conditions of Arctic Temperature	A. Shestakov, E. Sadraddinova, S. Abramov, E. Vinogradova, Biological Faculty of Lomonosov Moscow State University, MSU Arctic and Marine Research Centre
SPE-166867	Choosing Oil Spill Response Method to Protect Coastal Areas in the Russian Arctic	N. Belkina, Ramboll Oil and Gas
SPE-166868	Oil Spill Response in the Arctic	N. Pilipenko, B. Lerondeau, E. Vial, Ecoceane
SPE-166869	BOP Performance Post-Macondo – How Are We Doing?	J. Sattler, Lloyd's Register Energy- Drilling
SPE-166913	Seismic Challenges and Structural Solutions on the Berkut Platform	S. Slatnick, J. Ward Turner, ExxonMobil Development Company, D. Fenz, ExxonMobil Upstream Research Company, R. Sheppard, Energo Engineering (KBR)
SPE-166915	The Role of RADARSAT SAR Data to Support Arctic Shipping	G. Staples, MDA

1230-1430 TECHNICAL SESSION 13 OIL AND NATURAL GAS POTENTIAL

Session moderators: Vasily Bogoyavlensky, RAS Oil and Gas Institute; Yuri Ampilov, Petroleum Geo-Services ASA – PGS Russia

SPE-166811	The Impact of Non-technical Risks on Oil and Gas Activities in Alaska's Arctic	A. Southam, ERM
SPE-166813	Seismogeological Model as a basis for Hydrocarbon Potential Evaluation of the Sedimentary Cover of the Northern Part of the Kara Sea	R. Murzin, V. Verzhbitsky, V. Vasiliev, S. Malysheva, V. Ananiev, Gazpromneft-NTC
SPE-166815	Hydrocarbon Potential of the Enisei-Khatangsk Region within the Taimyr Autonomous District (TAD) and the Extent of its Development	A. Dmitrievsky, N. Eremin, N. Shabalin, RAS Oil and Gas Institute
SPE-166816	The Hydrocarbon Potential and Geological Exploration Works in the Arctic Sea Shelf	O. Lugovaya, A. Afanasev, I. Peshkov, A. Varlamov, Federal State Unitary Enterprise "All-Russian Research Geological Oil Institute"
SPE-166819	Cost Efficient Decrease of Risks due to Additional Geological Information	I. Balaban, I. Gutman, Gubkin Russian State University of Oil and Gas

1500-1700 TECHNICAL SESSION 14 OFFSHORE AND ONSHORE FIELD DEVELOPMENT - 2

Session moderators: Yury Naumov, Weatherford, Alexander Papusha; Murmansk State Technical University

SPE-166879	Selection of Subsea Production Systems for the Field Development in the Arctic Environment	E. Pribytkov, SPE, Gubkin Russian State University of Oil and Gas/University of Stavanger, A. Zolotukhin, SPE, Gubkin Russian State University of Oil and Gas; O. T. Gudmestad, University of Stavanger
SPE-166880	Challenges of Welding in Arctic Areas	R. Gens, S. Leconte, G. Graindor, SERIMAX; V. Gaffard, H. Godinot and H. Romazzotti, Total SA
SPE-166881	Arctic Offshore Pipeline Design and Installation Challenges	M. Paulin, INTECSEA Canada
SPE-166882	Application of 3S-technology for the Natural Gas Processing under Arctic Conditions	S. Imaev, L. Bagirov, E. Voytenkov, ENGO Engineering
SPE-166378	Smart Alarms Tool Development Approach for Oil Production Monitoring System	R. Pchelnikov, SPE, D. Mironov, SPE, Technical Expertise Center, R. Salikhov, Samotloneftegas, A. Gladkov, SPE, G. Kogan, SPE, R. Gareev, SPE, Modeltech, R. Khabibullin, SPE, RSU of Oil and Gas
SPE-149780 (SPEIntelligent)	Integrating Mathematical Optimization and Decision Making in Intelligent Fields	D. Echeverría, SPE, A. Conn, U. Mello, SPE, IBM Research; J. Onwunalu, SPE, BP

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1500-1700 TECHNICAL SESSION 15 PRODUCTION AND RESERVOIR MANAGEMENT - 2

Session moderators: Annie Audibert-Hayet, Total E&P; Andrey Tsunevskiy, Gazprom

SPE-166897	Features of Studing Oil and Gas Fields to the Full-Scale Development in Complete Autonomy by Analogy Tagulskoe Fields	D. Lachugin, A. Rusanov, ROSPAN INTERNATIONAL; G. Gabisiani, Rosneft, A. Maltsev, Roxar Services
SPE-166898	A Method to Determine Optimum Well Spacing for Oil Rims Gas-Oil Zones	M. Khasanov, O. Ushmaev, Ts. Andzhukaev, D. Dmitruk, V. Ovcharov, D. Samolovov, T. Timofeeva, Gazpromneft Science and Technology Centre
SPE-166899	Methods Enhancing High-Viscosity Oil Production from Elaborate Carbonates using Smart Wells	S. Ursegov, K. Pchela, LUKOIL-Engineering PechorNIPneft, V. Mulyak, M. Chertenkov, LUKOIL-Engineering
SPE-166900	Experience of Using Water Cut Meters at the Samotlor and Verkhnechonskoe Fields	A. Klimentiev, SPE, S. Dubovitsky, SPE, Rosneft; E. Sharapov, S. Shevchenko, Samotlorneftegaz; D. Mitchenko, A. Zubakin, Verkhnechonskneftegaz; E. Otylov, A. Muraviev, SPE, Weatherford
SPE-166905	Optimization of Production Capacity for Oil Field in the Russian Arctic	M. Khasanov, R. Bakhitov, A. Sitnikov, O. Ushmaev, D. Dmitruk, Gazpromneft Science and Technology Centre; S. Nekhaev
SPE-166906	The Technology of High-Performance Artificial Lift Operation of Oil and Gas Wells in the Complicated Conditions of the Arctic Fields	A. Drozdov, SPE, E. Malyavko, SPE, Gubkin Russian State University of Oil and Gas

1500-1700 TECHNICAL SESSION 16 HSE AND SOCIAL RESPONSIBILITY

Session moderators: Elena Lebedeva, ERM Eurasia; Elena Sheshunova, Statoil Russia AS

SPE-166952	Iceberg Monitoring Service for Offshore Oil Rig Safety by Spaceborne Radar Technologies and Drift Modelling	N. Longepe, M. Sutton, F. Mercier, E. Greiner, F. Lefevre, CLS; A. Salman, ES-PAS, Russia
SPE-166953	Human Rights and Indigenous Peoples Issues: a Management Systems Approach	R. Cleland, IPIECA; T. Nguyen, Chevron; B. Fokkema, Shell; J. Vallat, Total; C. Pasch, Woodside Energy; A. Mohan, Statoil
SPE-166954	The Oil and Gas Industry's Commitment to Responsible Arctic Operations: an Innovative Arctic Oil Spill Response Technology - Joint Industry Programme	J. Mullin, International Association of Oil and Gas Producers
SPE-166955	New OGP Good Practice Guide: Environmental Management in Arctic Oil and Gas Operations	L. Sarybekova, Cairn Energy; J. Parker, Parker Environmental Limited
SPE-166961	Marine and Coastal Protected Areas (MPA) as the Basis for the Monitoring Network of Ecosystem of Seas of Russia	V. Mokievsky, P.P. Shirshov Institute of Oceanology RAS, N. Nikolaeva, MSU Belomorsk Biological Station
SPE-166967	Risk Management Onsite at the Oil and Gas Complex in Conditions of Development of Arctic Shelf	D. Serebrennikov, RN-KrasnoyarskNIPneft

1215-1700 YOUNG PROFESSIONALS SPECIAL SESSION

	Carrying of Technical Devices Industrial Safety Expert Review without Dismantling Out of Process Scheme	R. Akhmetzyanov, Gazpromneft-NNG
	Application of dual-string production and produced water re-injection technology into underlying bed: Gremikhinskoe field case study	S. Vershinin, Udmurtneft
	Principles of Vend- Cambrian reservoir prognosis (based on Siniavskiy and North-Danilovskoe fields)	A. Gaiduk, O. Almendinger, RN-Exploration
	Enhancement of oil recovery during improved thermal-mining development of Yarega field	V. Korepanova, O. Ershova, S. Turkin, PechorNIPneft
	Conceptual model of DKT-1 reservoir on Vakhitovskoe field	E. Lopatina, Tyumen Petroleum Research Center
	Development of the Acid Deflector Compositions Based on Water-in-Oil Emulsions to Improving the Oil Recovery	A. Mavliev, Gazpromneft-Muravlenko
	Well flow Dynamic modelling – the tool to optimize well operations	K. Petrukhin, ROSPAN INTERNATIONAL
	Experience of Reservoirs Management of Bazhenov-Abalak Complex North-Eastern Part of the Palyanovskaya Area Krasnoleninskoye Field	U. Podkorytova, Gazpromneft-Khantos
	The innovative approach to use of emulsion drilling fluid – reversible inverted drilling fluid	S. Popov, G. Okromerlidze, O. Garshina, P. Khvoschin, A. Natsepinskaya, F. Grebneva, E. Nekrasova, PermNIPneft
	Estimation of Climatic Changes Influence on Bases and Foundations in Permafrost	E. Pulnikov, A. Vasilyeva, Gazprom dobycha Nadym
	Analysis of Lost Circulation in Production Casing Installation Conditions at Orenburgneft OJSC Fields and Recommendations on Prevention of Such Losses	S. Rubatsov, Samotlorneftegaz; D. Kustaryov, TNK-Uvat
	Method of Treating Bottomhole Zone in Producing Wells with 2 Wellheads in the Ashalchi Natural Bitumen Field	R. Satdarov, Tatneft
	Reason for Non-Simultaneous Placing in Operation of All Zones in Horizontal Well with Multi-Stage Fracturing	A. Shirobokov, Gazpromneft-NNG

0930 - 1700 POSTER SESSION OFFSHORE AND ONSHORE FIELD DEVELOPMENT		
SPE-166875	New Technology to Access Deepwater Arctic Reserves to Safe and Effective Production	D. Edwards, Edwards Oil Tools
SPE-166877	Comparative Evaluation of a Heterogeneous Light Oil Reservoir Performance: Thermal IOR Simulation, Bitumen Extraction, and Associated Geomechanical Deformation	W. J. Al-Mudhafer, SPE, South Oil Company-Iraq/Louisiana State University; M. Zein Al-Abideen, Kirkuk University-Iraq/ Tyumen State Oil and Gas University-Russia
0930 - 1000 KNOWLEDGE SHARING PRESENTATIONS HSE AND SOCIAL RESPONSIBILITY		
SPE-166960	Justification of Optimal Methods of Rehabilitation of Geological Environment at the Leaks of Oil Products During Their Storage	A. Khaustov, SPE, M. Redina, SPE, Peoples' Friendship University of Russia
SPE-166965	An Environmentally-Friendly Method for Disposal of the ASP Flooding Produced Water	Y. Liu, SPE, Z. Wang, SPE, X. Le, Northeast Petroleum University; X. Zhuge, SPE, H. Zhang, SPE, Daqing Oilfield Company Limited
SPE-166966	New Generation Biological Products on the Basis of Porous Phosphatic Glass Carrier for Recovery of Soils and Water Areas Polluted with Oil-Products in the Conditions of Northern Territories	A. Khlynovsky, K. Rozanova, AMIRECO
1200 - 1230 KNOWLEDGE SHARING PRESENTATIONS OFFSHORE AND ONSHORE FIELD DEVELOPMENT/ LATEST TECHNOLOGIES		
SPE-166872	Promising Physical-chemical IOR Technologies for Arctic Oilfields	L. Altunina, V. Kuvshinov, I. Kuvshinov, Institute of Petroleum Chemistry, Siberian Branch of Russian Academy of Sciences (IPC SB RAS)
SPE-166874	Streamlines for the Target Injection Calculation in Complex Field Conditions	M. Belyanushkina, A. Gladkov, I. Arsenevsky, A. Lvov, D. Kondakov, R. Gareev, Modeling Technologies Centre
SPE-166923	Computer Simulation of the Least Energy Consuming and Emergency-Free Regimes of Drilling of Hyper Deep Curvilinear Bore-Holes	V. Gulyaev, E. Andrusenko, N. Shlun, National Transport University
1430 - 1500 KNOWLEDGE SHARING PRESENTATIONS HSE AND SOCIAL RESPONSIBILITY		
SPE-166958	Ornithological Investigations and Estimation of Potential Threats in a Process of Off-Shore Oil and Gas Fields Exploitation in the Barents Sea	Yu. Krasnov, Murmansk Marine Biological Institute KSC RAS; N. Nikolaeva, White Sea Biological Station, MSU
SPE-166959	Environmental Aspects of Hydrocarbons Production at the Western-Arctic Basin	Yu. Kuznetsov, International Association of Well Survey
SPE-166962	Social Responsibility of Russian Companies Operating on the Arctic Territories	E. Bashmakova, L. Ivanova, Institute of Economic Affairs, Kola Scientific Centre