



VIII International Conference

RUSSIAN OFFSHORE OIL AND GAS DEVELOPMENT: ARCTIC AND FAR EAST



26–27
November 2020

CONFERENCE PROGRAM

Partner of
ROO:GD–2020



**ТРУБНАЯ
МЕТАЛЛУРГИЧЕСКАЯ
КОМПАНИЯ**

Moscow
Gazprom VNIIGAZ LLC

ORGANIZING COMMITTEE
The VIII International conference
"Russian Offshore Oil and Gas Development:
Arctic and Far East"
(ROOGD-2020, November 26–27, 2020)

Razvilka, Moscow region

Gazprom VNIIGAZ LLC

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Alexey V. Tolstikov	Head of Laboratory for Geologic Provision of Offshore Projects, Corporate Technical Research Centre for Offshore Oil & Gas Resources Development Gazprom VNIIGAZ LLC

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Yulia G. Shishkova	Chief Expert of Conference and Exhibition Division, Organizational Directorate Gazprom VNIIGAZ LLC

CONFERENCE SCHEDULE

The VIII International conference "Russian Offshore Oil and Gas Development: Arctic and Far East" (ROOGD-2020)

ONLINE

Razvilka, Moscow region

Gazprom VNIIGAZ LLC

November 26, 2020, Thursday

8.00–9.00	Communications test, remote web access configuration, test remote connection	Participants workplaces
9.00–11.45	Plenary Session	Room 302, 3 rd floor, E building
11.45–12.15	Break	
12.15–13.50	Plenary Session	Room 302, 3 rd floor, E building
13.50–15.00	Break	
15.00–16.30	Plenary Session	Room 302, 3 rd floor, E building

November 27, 2020, Friday
Round Tables 1, 2, 3

8.00–9.00	Communications test, remote web access configuration, test remote connection	Participants workplaces
9.00–17.00	Round Tables	
9.00–16.00	Round Table 1 Geology & development of offshore fields	Room 302, 3 rd floor, E building
9.00–17.00	Round Table 2 Design of facility construction & operation of offshore fields	Room 203, 2 nd floor, E building
9.00–16.00	Round Table 3 Two oceans: present and future of the Russian offshore oil & gas production (Youth Round Table)	Room 202, 2 nd floor, E building
10.40–11.00	Break (Round Table 2)	
11.00–11.30	Break (Round Table 1 and 3)	
11.00–13.50	Round Tables	2 nd and 3 rd floors, E building
13.00–14.00	Break (Round Table 1 and 3)	
13.50–14.50	Break (Round Table 2)	
14.00–16.00	Round Tables 1 and 3	2 nd and 3 rd floors, E building
14.50–17.00	Round Table 2	Room 203, 2 nd floor, E building
16.00–16.15	Break	
16.45–17.00	Closing Plenary Session. Conference Round-up	Room 302, 3 rd floor, E building

CONFERENCE PROGRAM
VIII International Conference
RUSSIAN OFFSHORE OIL AND GAS DEVELOPMENT:
ARCTIC AND FAR EAST

26 November, 2020, Thursday
Gazprom VNIIGAZ LLC, Room 302, 3rd floor, E building
Broadcast of the Plenary session

Chairperson: **Vadim Petrenko** –
 Head of Directorate, PJSC Gazprom, PhD

Co- Chairs: **Maxim Nedzvetskiy** –
 General Director, Gazprom VNIIGAZ LLC, PhD

Anatoly Dmitrievsky –
 Member of the Russian Academy of Sciences,
 Academic Advisor to RAS Oil and Gas Institute

Vladimir Vovk –
 Advisor to the General Director,
 Gazprom neft shelf LLC, D.Sc., PhD

Dmitry Izyumchenko –
 Acting Deputy General Director for Science,
 Gazprom VNIIGAZ LLC, PhD

Boris Grigoryev –
 RAS Associate Member, Chief of the Scientific Council,
 Gazprom VNIIGAZ LLC

8.00–9.00	Connection of participants to broadcasting. Registration of conference speakers and participants (<i>E building, 1st floor</i>)
9.00–9.20	OPENING OF THE CONFERENCE
	Maxim Nedzvetskiy (<i>General Director, Gazprom VNIIGAZ LLC</i>) Opening address
	Sergey Menshikov (<i>Member of the Management Committee, Head of the Department, PJSC Gazprom</i>) Welcoming Address

<p>Eugeny Velikhov (Member of the Russian Academy of Sciences, Honorary President of the National Research Center “Kurchatov Institute”) Welcoming Address</p>		
<p>Anatoly Dmitrievsky (Member of the Russian Academy of Sciences, Academic Advisor to RAS Oil and Gas Institute) Welcoming Address</p>		
<p>Plenary Session:</p>		
<p>9.20</p>	<p>P1</p>	<p>V.E. Petrenko, M.F. Nuriev, A.A. Timofeev (PJSC Gazprom), S.I. Golubin, A.V. Tolstikov (Gazprom VNIIGAZ LLC) Gas production resource base on the Arctic and Far East shelf of the Russian Federation: strategic goals and development priorities Speaker – Vadim Petrenko (Head of Directorate, PJSC Gazprom, PhD)</p>
<p>9.45</p>	<p>P2</p>	<p>R.R. Shakurov (Gazprom Dobycha Shelf Yuzhno-Sakhalinsk, LLC) Development of resources of Sakhalin – 3 project Speaker – Robert Shakurov (Deputy General Director – Chief Geologist of Gazprom dobycha shelf Yuzhno-Sahalinsk LLC)</p>
<p>10.10</p>	<p>P3</p>	<p>A.V. Merkulov, Z.U. Murzalimov (Gazprom Dobycha Yamburg LLC), A.I. Zakharov (Gazprom VNIIGAZ LLC) Application of modern approaches during offshore gas field reservoir engineering (Kamennomyskoye-more field as the example) Speaker – Anatoliy Merkulov (Deputy General Director – Chief Geologist of Gazprom dobycha Yamburg LLC)</p>
<p>10.35</p>	<p>P4</p>	<p>M.L. Tsemkalo (Gazprom flot LLC) Environmental impact of offshore drilling rigs operated in the Russian Far East Speaker – Michael Tsemkalo (Deputy General Director – Chief Geologist of Gazprom Flot LLC, PhD)</p>

11.05	P5	<i>I.Yu. Pyshmintsev</i> (PJSC TMK, TMK NTC LLC, JSC RosNITI) New solutions in the field of pipes for offshore oil and gas production <i>Speaker – Igor Pyshmintsev (Director for Science, PJSC TMK, General Director TMK NTC LLC, JSC RosNITI, D.Sc.)</i>
11.30–11.45	Q&A	
11.45–12.15	Break	
12.15	P6	<i>P.V. Korvyakov</i> (JSC Gazprom Space Systems) Application of aerospace instruments in the development of Arctic and the Far East <i>Speaker – Pyotr Korvyakov (First Deputy General Director)</i>
12.35	P7	<i>D.A. Mirzoyev</i> (Gazprom VNIIGAZ LLC) Principal features of development of oil and gas resources of the continental shelf <i>Speaker – Dilijan Mirzoyev (Chief Researcher, Professor, D.Sc.)</i>
12.55	P8	<i>Yu.P. Ampilov</i> (Lomonosov Moscow State University) A fresh approach towards energy development of the Russian Arctic <i>Speaker – Yuriy Ampilov (Professor of Seismometry and Geoacoustics Chair of the Geology Department, Lomonosov Moscow State University)</i>
13.15	P9	<i>A.V. Stupakova, A.A. Suslova</i> (Lomonosov Moscow State University) Arctic continental shelf : strategic reserve for mineral resource base development <i>Speaker – Antonina Stupakova (Director, Institute of Prospective Oil & Gas Studies, Lomonosov Moscow State University, D.Sc., Professor)</i>
13.35–13.50	Q&A	
13.50–15.00	Break	
15.00	P10	<i>V.B. Zvyagintsev</i> (PetroGasTech Shelf Service LLC) Monitoring of offshore oil and gas production facilities <i>Speaker – Vyacheslav Zvyagintsev (General Director)</i>

15.20	P11	<p><i>Eric Bathellier, Luc Haumonté, Lionel Lhommet, Michel Manin (Kietta SAS)</i></p> <p>Free-cable™: an innovative seismic acquisition method and technology to acquire broadband full-azimuth 3^d geophysical data in the Russian offshore Arctic and Far East</p> <p><i>Speaker – Eric Bathellier (Chief Geophysicist, Kietta SAS, PhD)</i></p>
15.40	P12	<p><i>E.A. Pospelov (Gazprom flot LLC)</i></p> <p>Application of innovative upper interval drilling and conductor driving methods in the construction of the Arctic shelf wells</p> <p><i>Speaker – Eugeny Pospelov (Senior Foreman, SDR “Severnoye Siyaniye”, Murmansk branch office)</i></p>
16.00–16.30 Q&A. Closing of the Plenary Session		

ROUND TABLES
27 November 2020, Friday

ROUND TABLE 1
(broadcasting from room 302, E building)
GEOLOGY AND DEVELOPMENT OF OFFSHORE FIELDS

Round Table Chairperson: **Marat Nuriev** –
 Deputy Head of Directorate,
 PJSC Gazprom

Co-chairs: **Alexander Dziublo** –
 Deputy Head for Science, Chair “Development of offshore oil and gas fields”, National University of Oil and Gas "Gubkin University", Professor, D.Sc.

Yuriy Ampilov –
 Professor of Seismometry and Geoacoustics Chair of the Geological Department, Lomonosov Moscow State University, RF Honoured Science Worker, D.Sc.

Anton Zakharov –
 Deputy Head of the Corporate R&D Centre for the Development of Offshore Oil and Gas Resources, Gazprom VNIIGAZ LLC

9.00–9.10		Round table opening address by the chairperson
9.10	KC1-1	<p>A.D. Dziublo <i>(National University of Oil and Gas «Gubkin University»)</i> The oil and gas potential of the Ordovician – Lower Frasnian mega-complex of the Pechora sea shelf <i>Speaker – Alexander Dziublo (Deputy Head of the Chair “Development of offshore oil and gas fields”)</i></p>
9.25	KC1-2	<p>V.I. Ignatiev, A.V. Politsyna, A.A. Shuvalov <i>(Geodevice LLC)</i> Modern Russian equipment for high-resolution marine seismic surveys and hydro-magnetic surveys <i>Speaker – Vladimir Ignatiev (Commercial Director of Geodevice LLC, Master degree in geology and physics)</i></p>

9.40	KC1-3	<i>N.A. Rybin, D.V. Kozhukhov, N.A. Ivanov, A.A. Martyn, V.N. Khoshtariya (Gazprom Nedra LLC)</i> The need to conduct basic seismic surveys and 3D 4C seismic monitoring using subsea equipment at the offshore fields of Gazprom group <i>Speaker – Nikita Rybin (Head of the Division for Geophysical Surveys)</i>
9.55	KC1-4	<i>S.D. Surin (Gazprom Geotechnology LLC)</i> Underground storage of liquid hydrocarbons during field development in the Far North <i>Speaker – Stepan Surin (Leading Research Associate, PhD)</i>
10.10	KC1-5	<i>A.V. Tolstikov, D.A. Astafiev, M.Yu. Kabalin, L.A. Naumova, S.A. Sharov (Gazprom VNIIGAZ LLC)</i> New oil and gas accumulation zones on the North-Eastern shelf of Sakhalin <i>Speakers – Alexey Tolstikov (Head of the Laboratory, PhD), Dmitry Astafiev (Leading Research Associate, PhD)</i>
10.25	KC1-6	<i>M.V. Pyatakhin, S.A. Shulepin (Gazprom VNIIGAZ LLC), Y.M. Gaidash (Nielsen Data factory LLC)</i> Experimental studies of the Cenomanian reservoir rock destruction in the bottom-hole zone of wells based on the example of Severo-Kamennomyskoye gas condensate field <i>Speaker – Mikhail Pyatakhin (Chief Research Associate, D.Sc.)</i>
10.40	KC1-7	<i>M.Yu. Tokarev, Ya.E. Terekhina, A.G. Roslyakov, A.S. Pirogova (Lomonosov Moscow State University), E.A. Biryukov (SPLIT LLC), N.A. Rybin (Gazprom Nedra LLC)</i> New technologies of seismic surveys for identifying hazardous geological processes and phenomena in the Kara Sea <i>Speaker – Mikhail Tokarev (Vice-dean of the Geological Department, Leading Research Associate, PhD)</i>
10.50–11.00		<i>Q&A, Discussion</i>
11.00–11.30		Break

11.30	KC1-8	<p>M.Yu. Tokarev, A.S. Pirogova, Ya.E. Terekhina (Lomonosov Moscow State University), V.V. Polovkov (SPbU Integrated Marine Research Center), A.K. Potemka (SPLIT LLC)</p> <p>Quantitative analysis of engineering seismic survey data for the characterization of subaquatic cryolithozone zone in conditions of shallow Arctic shelf</p> <p>Speaker – Yana Terekhina (Research Associate)</p>
11.45	KC1-9	<p>V.A. Minaev, R.O. Stepanov, A.O. Faddeev (Bauman Moscow State Technical University)</p> <p>Geodynamic markers of hydrocarbon deposits</p> <p>Speaker – Rodion Stepanov (Director of the Board for Arctic Programs, PhD)</p>
12.00	KC1-10	<p>S.O. Bazilevich (Marine Arctic Geological Expedition JSC)</p> <p>Use of the domestic complex of seismic recorders "CRAB" at existing fields</p> <p>Speaker – Sergey Bazilevich (Head of the Department for Offshore Seismic Exploration)</p>
12.15	KC1-11	<p>A.D. Dzyublo, A.E. Storozheva (National University of Oil and Gas «Gubkin University»)</p> <p>Technological capabilities for achieving high gas rates of offshore wells</p> <p>Speaker – Anna Storozheva (Leading Engineer, PhD)</p>
12.30	KC1-12	<p>O.V. Kokin, D.M. Kondratyeva, A.V. Baranskaya, D.M. Aleksyutina, N.G. Belova, P.E. Kargashin, S.V. Maznev, A.V. Novikova, S.A. Ogorodov, V.V. Selyuzhenok (Lomonosov Moscow State University)</p> <p>Electronic atlas of coastal erosion and ice gouging hazards of the Russian Arctic coastal-shelf zone</p> <p>Speaker – Osip Kokin (Leading Engineer, PhD)</p>
12.45–13.00		Q&A, Discussion
13.00–14.00		Break
14.00	KC1-13	<p>N.G. Belova, A.V. Novikova, N.N. Shabanova, S.A. Ogorodov, A.P. Vergun, D.M. Aleksyutina, A.V. Baranskaya, A.A. Ermolov (Lomonosov Moscow State University, Department of Geography)</p> <p>Retreat of the Kara Sea coasts in the areas of economic development based on field observations and remote sensing</p> <p>Speaker – Natalia Belova (Senior Research Associate, PhD)</p>

14.15	KC1-14	<p>A.A. Knipper, E.S. Shelkov, A.A. Suslova (Moscow State University)</p> <p>Main features of the geological structure and petroleum potential of the Far Eastern seas shelf</p> <p><i>Speaker – Andrey Knipper (Research Associate)</i></p>
14.30	KC1-15	<p>D.M. Aleksyutina, S.V. Badina, A.V. Baranskaya, N.G. Belova, A.P. Vergun, O.V. Kokin, S.V. Maznev, A.A. Maslakov, A.V. Novikova, N.N. Shabanova, S.A. Ogorodov (Lomonosov Moscow State University)</p> <p>Thermoabrasion of the Russian Arctic coasts: oil and gas development risks</p> <p><i>Speaker – Darya Aleksyutina (Research Associate, PhD)</i></p>
14.45	KC1-16	<p>S.V. Badina (FSBEI of Higher Education Plekhanov Russian University of Economics; Institute for National Economic Forecasts of the Russian Academy of Sciences)</p> <p>Socio-economic risks of permafrost degradation in the Arctic regions of operations of PJSC Gazprom</p> <p><i>Speaker – Svetlana Badina (Senior Research Associate, PhD)</i></p>
15.00	KC1-17	<p>D.A. Astafiev, A.V. Tolstikov, L.A. Naumova (Gazprom VNIIGAZ LLC)</p> <p>Formation specifics of White Tiger oil and gas field and the criteria for identifying such oil and gas accumulation zones</p> <p><i>Speaker – Dmitry Astafiev (Leading Research Associate, PhD)</i></p>
15.15–16.00		Q&A, wrap-up, announcements. Closing of the Round Table

ROUND TABLES
27 November 2020, Friday

ROUND TABLE 2
(broadcasting from room 203, building E)
DESIGN OF FACILITY CONSTRUCTION & OPERATION
OF OFFSHORE FIELDS

Round Table Chairperson: **Vadim Petrenko** –
 Head of Directorate, PJSC Gazprom

Co-chairs: **Denis ILchenko** –
 Head of Division, PJSC Gazprom
Eugeniy Podolyako –
 Head of Division, PJSC Gazprom
Sergey Grekov –
 Deputy Head of the Corporate R&D Center
 for the Development of Offshore Oil and Gas Resources,
 Gazprom VNIIGAZ LLC

9.00–9.05		Round table opening address by the chairperson
9.05	KC2-1	<p>A.I. Zaitsev (<i>Special Design Bureau of Marine Research Automation Equipment of the Far Eastern Branch of the Russian Academy of Sciences</i>)</p> <p>Information system for coastal risks associated with natural disasters, taking into account engineering and socio-economic applications</p> <p><i>Speaker – Andrey Zaitsev (Temporary Acting Director, D.Sc.)</i></p>
9.20	KC2-2	<p>V.F. Emelyanenko, A.E. Malashenko (<i>Special Design Bureau of Marine Research Automation Equipment of the Far Eastern Branch of the Russian Academy of Sciences</i>)</p> <p>A system for independent remote monitoring of the serviceability of offshore oil and gas production facilities using autonomous radio-hydroacoustic stations</p> <p><i>Speaker – Anatoliy Malashenko (Chief Designer, PhD)</i></p>
9.35	KC2-3	<p>O.G. Vlasov, A.V. Kruglov, Yu.M. Trapeznikov, D.V. Sidorenkov (<i>SPMBM Malachite JSC</i>)</p> <p>SPMBM Malachite hi-tech and import-substituting civil products for oil and gas industry</p> <p><i>Speaker – Oleg Vlasov (Chief Designer)</i></p>

9.50	KC2-4	<i>I.V. Buzin, A.V. Nesterov, A.K. Naumov, E.A. Skutina, O.M. Andreev, K.G. Smirnov, R.A. Vinogradov, S.A. Novikov, Yu.P. Gudoshnikov (FSBI “Arctic and Antarctic Research Institute”)</i> AARI engineering and hydrometeorological surveys to ensure reliable exploration of the Russian Arctic Shelf: experience and possibilities <i>Speaker – Igor Buzin (Senior Research Associate, PhD)</i>
10.05	KC2-5	<i>N.A. Shpolyanskaya, G.G. Osadchaya (Ukhta State Technical University)</i> Permafrost of the Russian Arctic Shelf -environmental risk factor during development <i>Speaker – Nella Shpolyanskaya (Professor, D.Sc.)</i>
10.25	KC2-6	<i>O.A. Kuznetsova (P.P. Shirshov Institute of Oceanology of RAS), V.V. Arkhipov (Lomonosov Moscow State University), A.S. Tsvetsinskiy (FSBI “State Oceanographic Institute”)</i> Study of drifting ice and hummocky ice formations on the Eastern Shelf of the Sakhalin island using anchored acoustic profile recorders <i>Speaker – Olga Kuznetsova (Research Associate)</i>
10.40–11.00		Break
11.00	KC2-7	<i>Y.A. Reva, G.V. Shevchenko (Eko-System In LLC)</i> Specific dynamics of the North-Eastern coast of the Sakhalin island between Lunsky and Stary Nabil bays <i>Speaker – Yuriy Reva (Research Associate, PhD)</i>
11.15	KC2-8	<i>D.I. Likhachev (FIC “KOSMOS-NEFT-GAS”)</i> Process equipment control systems for offshore platforms and subsea production units <i>Speaker – Dmitry Likhachev (Chief Engineer)</i>
11.35	KC2-9	<i>S.V. Balagura (FAI «Russian Maritime Register of Shipping»)</i> Technical supervision of offshore oil and gas facilities by Russian maritime register of shipping <i>Speaker – Sergey Balagura (Head of Directorate for Technical Monitoring Management of Offshore Oil and Gas Structures)</i>

11.50	KC2-10	S.S. Golyadkina, I.A. Kudryavtsev (<i>Shelftechnoservice LLC</i>), Y.A. Kharchenko (<i>National University of Oil and Gas “Gubkin University”</i>) Relevance of application of unmanned underwater vehicles for the development of Arctic deposits <i>Speaker – Svetlana Golyadkina (Post-graduate student of the National University of Oil and Gas “Gubkin University”, General Director of Shelftechnoservice LLC)</i>
12.05	KC2-11	A.L. Trukhin (<i>SC AEROHOD LLC</i>) Pilot operation of A-25 hovercraft <i>Speaker – Alexander Trukhin (Commercial Director)</i>
12.20	KC2-12	I.B. Mitrofanov, A.M. Karpov, S.Yu. Kuropatkin (<i>Krasnoyarskgazprom neftegazproekt LLC</i>) Implementation of distributed construction plan for ice-resistant platform A of Kamennomysskoye-more gas field <i>Speaker – Sergey Kuropatkin (Head of the Change Control Division)</i>
12.35–12.50	Q&A, Discussion	
12.50–13.50	Break	
13.50	KC2-13	Albert Agishev (<i>PJSC TMK</i>) TMK's innovative solutions for the construction of extended reach offshore wells <i>Speaker – Albert Agishev (Head of Directorate)</i>
14.05	KC2-14	P.N. Glazov (<i>Pipeline Systems and Technologies CJSC</i>) Impressed current corrosion protection and corrosion monitoring of the shelf, berthing and offshore structures <i>Speaker – Pavel Glazov (Head of the Division for Implementation of Engineering Center's Comprehensive Projects)</i>
14.20	KC2-15	I.R. Kozlova (<i>NRC “Kurchatov Institute” – CRISM “Prometey”</i>) Integrated application of titanium alloys in the composition of equipment for the offshore field development in order to reduce import dependence <i>Speaker – Irina Kozlova (Senior Research Associate, PhD)</i>
14.35	KC2-16	V.V. Ryazantsev, G.Yu. Churkin (<i>CJSC «Scientific Technical Center of Industrial Safety Problems Research»</i>) Application of polymer reinforced pipes in oil and gas industry of the Russian Federation: challenging issues <i>Speaker – Vladimir Ryazantsev (Senior Research Associate)</i>

14.50	KC2-17	A.S. Teplenicheva, S.Yu. Mushnikova, O.N. Parmenova (NRC "Kurchatov Institute" – CRISM "Prometey") Low-temperature properties and structure of high-strength austenitic CR-MN-NI-N steels <i>Speaker – Anna Teplenicheva (Leading Engineer)</i>
15.05–15.15		Q&A, Discussion
15.15–15.30		Break
15.30	KC2-18	Yu.P. Gudoshnikov (FSBI «AARI»), N.V. Kubyshkin (Arctic Shelf Consulting LLC), A.A. Skutin, I.V. Buzin (FSBI «AARI»), D.A. Onishchenko (Gazprom VNIIGAZ LLC) The regulatory framework development for building and operation of ice roads and loading sites in the Arctic coastal water areas <i>Speaker – Andrey Skutin (Research Associate)</i>
15.45	KC2-19	S.G. Zenin, S.A. Ivanov, O.V. Dobin (Gazprom Neft Shelf LLC) Risks of operation of subsea oil production systems in freezing waters <i>Speaker – Sergey Ivanov (Head of Directorate for Shelf Engineering and Technological Development)</i>
16.00	KC2-20	V.I. Seliverstov (Kalancha LLC) Ensuring fire safety of oil and gas platforms in the Northern continental shelf <i>Speaker – Vladimir Seliverstov (General Designer, PhD)</i>
16.15	KC2-21	I.N. Gaynullina (Federal State Unitary Enterprise "Administration of civil airports (airfields)"), G.Yu. Churkin, N.N. Talanova , (CJSC «Scientific technical center of industrial safety problems research») Challenges of allocating trunk gas pipelines within the fifth subzone of airfield environs <i>Speaker – Natalya Talanova (Senior Research Associate)</i>
16.30	KC2-22	M.V. Lisanov, I.S. Zhukov (ANO "Industrial Risk Research Agency") Specifics of applying accident tolerable risk criteria at hazardous oil and gas development facilities located on the Russian Shelf <i>Speaker – Ilya Zhukov (Research Associate)</i>
16.45		Q&A, wrap-up, announcements. Closing of the Round Table

ROUND TABLES
27 November, 2020, Friday

ROUND TABLE 3
(room 202, E building)
TWO OCEANS: PRESENT AND FUTURE
of THE RUSSIAN OFFSHORE OIL & GAS PRODUCTION
(Youth Session)

Chairperson: **Stanislav Golubin**–
Head of the Corporate R&D Center for Offshore Oil & Gas Resources Development, Gazprom VNIIGAZ LLC

Co-Chairs: **Valery Ivanov** –
Deputy General Director for HR Management, Gazprom flot LLC, Member of the Panel of Judges
Natalia Anisimova –
Deputy Head of Research and Educational Center, Gazprom VNIIGAZ LLC, Member of the Panel of Judges

Panel of judges: **Pavel Yushin** –
Chairperson of the Council of Young Scientists and Specialists, Gazprom VNIIGAZ LLC
Konstantin Berezhnoy –
Deputy Head for Science of the Young Scientist Council, FSUE Krylov State Research Center

9.00–9.10	Round table opening address by the chairperson	
9.10	KC3-1	G.A. Benko <i>(National University of Oil and Gas «Gubkin University»</i> Shallow gas as a hazard in the development of oil and gas fields in the Ob and Taz bays of the Kara sea <i>Speaker – German Benko (Graduate Student)</i>
9.25	KC3-2	K.V. Alekseeva <i>(National University of Oil and Gas “Gubkin University”)</i> Engineering and geological conditions for development of the offshore part of the Kruzenshternskoye field in the Kara sea <i>Speaker – Kseniya Alekseeva (Post-graduate Student)</i>

9.40	KC3-3	<i>Yu.A. Nikulina, P.V. Burkov</i> (<i>Tomsk Polytechnic University</i>) Providing wireless communication to assess technical state of subsea pipelines <i>Speaker – Yuliya Nikulina (Post-graduate Student)</i>
9.55	KC3-4	<i>M.S. Savinova</i> (<i>National University of Oil and Gas “Gubkin University”</i>) Hazardous natural processes and risks of offshore field development using subsea production systems <i>Speaker – Margarita Savinova (Post-graduate Student)</i>
10.10	KC3-5	<i>P.A. Bujnyj</i> (<i>Gazprom добыча Yamburg LLC</i>) Polius-68 offshore ice-resistant fixed platform to be used in production of hydrocarbons in the Kamennomyskoe-more gas field <i>Speaker – Pyotr Bujnyj (1st Category Engineer at the Prospective Development Department, Gazprom добыча Yamburg LLC)</i>
10.25	KC3-6	<i>I.N. Lyutikov</i> (<i>Tomsk Polytechnical University</i>), <i>P.V. Burkov</i> (<i>Tomsk Polytechnical University, Tomsk State University of Architecture and Civil Engineering</i>) Adaptive neuro-fuzzy models for predicting the remaining life of offshore field pipelines <i>Speaker – Ilya Lyutikov (Tomsk Polytechnical University)</i>
10.40–11.00	<i>Q&A, Discussion</i>	
11.00–11.30	Break	
11.30	KC3-7	<i>A.V. Potapov</i> (<i>National University of Oil and Gas “Gubkin University”</i>) Improving the methods of conductor cementing control in offshore wells with subsea wellheads in complicated conditions on the example of the Kirinsky license block’s fields <i>Speaker – Andrey Potapov (Post-graduate Student)</i>
11.45	KC3-8	<i>A.V. Pakhunov, A.B. Osokin, E.V. Nikolaychuk, A.O. Vasilyeva</i> (<i>Gazprom добыча Nadym LLC</i>) Technical solutions for offshore gas production facilities development at Kruzenshtern gas condensate field <i>Speaker – Aleksey Pakhunov (Geologist, Geotechnical Monitoring Service of the Engineering and Technical Center)</i>

12.00	KC3-9	<i>I.A. Marchenko</i> (<i>JSC «MAGE»</i>) Jack-up rig positioning hazards and engineering survey suite to improve quality and safety of geological exploration in Arctic seas <i>Speaker – Ivan Marchenko</i> (<i>Leading Engineer of the Engineering Surveys Department</i>)
12.15	KC3-10	<i>A.N. Chekhlov, Yu.A. Kharchenko</i> (<i>National University of Oil and Gas “Gubkin University”</i>) Survivability criterion to estimate safety of the subsea pipelines in the Arctic <i>Speaker – Alexander Chekhlov</i> (<i>Post-graduate Student</i>)
12.30	KC3-11	<i>Y.A. Kharchenko, I.Z. Yamaev</i> (<i>National University of Oil and Gas “Gubkin University”</i>) Supersonic technologies for preparation of natural gas during offshore fields development <i>Speaker – ILnar Yamaev</i> (<i>Graduate Student</i>)
12.45–13.00	<i>Q&A, Discussion</i>	
13.00–14.00	Break	
14.00	KC3-12	<i>A.S. Reutskiy</i> (<i>FSUE Krylov State Research Center</i>) Design specifics of LNG refueling ships <i>Speaker – Alexander Reutskiy</i> (<i>FSUE Krylov State Research Center</i>)
14.15	KC3-13	<i>I.V. Sorokin, S.V. Sharashkin</i> (<i>FSUE Krylov State Research Center (branch Central r&D Institute of Naval Electrical Engineering and Technologies)</i>) Subsea compressor station <i>Speakers – Ilya Sorokin, Sergey Sharashkin</i> (<i>FSUE Krylov State Research Center (branch Central r&D Institute of Naval Electrical Engineering and Technologies), 2nd course of the Master’s Program, Chair of Ocean Engineering and Offshore Technologies</i>)

14.30	KC3-14	<p><i>I.A. Antosik</i> (<i>FSUE Krylov State Research Center (branch Central r&D Institute of Naval Electrical Engineering and Technologies)</i>)</p> <p>Pre-design development regarding the fundamental appearance of a semi-submersible ship to transport super heavy cargoes in the Arctic region</p> <p><i>Speaker – Ilya Antosik (FSUE Krylov State Research Center (branch Central r&D Institute of Naval Electrical Engineering and Technologies), 2nd course of the Master’s Program, Chair of Ocean Engineering and Offshore Technologies)</i></p>
14.45	KC3-15	<p><i>R.D. Smolin</i> (<i>Saint-Petersburg State Marine Technical University</i>)</p> <p>Study of oil to ice cover interaction and contamination scale estimation</p> <p><i>Speaker – Rostislav Smolin (2nd course of the Master’s Program, Chair of Ocean Engineering and Offshore Technologies)</i></p>
15.00	KC3-16	<p><i>I.N. Alekseev</i> (<i>Gazprom VNIIGAZ LLC</i>)</p> <p>Evaluation of occupational risks at compressor stations in Arctic conditions: methodical approach specifics</p> <p><i>Speaker – Ivan Alekseev (Engineer)</i></p>
15.15	KC3-17	<p><i>A.N. Molodova, M.A. Guskov</i> (<i>National University of Oil and Gas “Gubkin University”</i>)</p> <p>Regulatory support to ensure occupational health and industrial safety on the continental shelf of the Russian Federation</p> <p><i>Speaker – Anastasiya Molodova</i></p>
15.30–16.00		<p>Q&A, wrap-up, announcements. Closing of the Round Table</p>

CLOSING PLENARY SESSION

27 November 2020, Friday, 16.50–17.30
(broadcasting from room 302, E building)

Chairpersons: **Maxim Nedzvetskiy** –
General Director, Gazprom VNIIGAZ LLC, PhD;
Vadim Petrenko –
Head of Directorate, PJSC Gazprom.

**Co-chairs
of Round Tables:** **Marat Nuriev** –
Deputy Head of Directorate,
PJSC Gazprom;
Eugeny Podolyako –
Head of Division, PJSC Gazprom;
Stanislav Golubin –
Head of the Corporate R&D Center for Offshore Oil & Gas
Resources Development, Gazprom VNIIGAZ LLC

17.00–17.10	Welcoming address by the Chairperson
17.10	KC-1 wrap-up
17.15	KC-2 wrap-up
17.20	KC-3 wrap-up
17.25	Closing of the Conference

POSTER SESSION

PS1	<p><i>T.I. Lapteva, M.N. Mansurov, L.A. Kopaeva</i> <i>(Gazprom VNIIGAZ LLC)</i></p> <p>Strength assessment of offshore pipelines considering dynamic effect of the piped product</p> <p><i>Speaker – Tatyana Lapteva</i></p>
PS2	<p><i>T.I. Lapteva, M.N. Mansurov, L.A. Kopaeva</i> <i>(Gazprom VNIIGAZ LLC)</i></p> <p>Computational methods to ensure serviceability of offshore pipeline systems in the Arctic zone of the Russian Federation</p> <p><i>Speaker – Tatyana Lapteva</i></p>
PS3	<p><i>Yu.Yu. Petrova, Yu.V. Gamera, S.V. Ovcharov, I.N. Alekseev, L.V. Yagupova</i> <i>(Gazprom VNIIGAZ LLC)</i></p> <p>Quantitative assessment of the probability of emergency events at offshore facilities with oil circulation in the Arctic conditions</p>
PS4	<p><i>L.A. Kopaeva, T.I. Lapteva, M.N. Mansurov, V.I. Efremov,</i> <i>(Gazprom VNIIGAZ LLC), M.Yu. Kuznetsov (PJSC Gazprom)</i></p> <p>Offshore oil and gas industry facilities: analysis of accidents in the safety system</p> <p><i>Speaker – Liudmila Kopaeva</i></p>
PS5	<p><i>L.A. Kopaeva, M.N. Mansurov, T.I. Lapteva, V.I. Efremov</i> <i>(Gazprom VNIIGAZ LLC), P.A. Utyamishev (PJSC Gazprom), V.N. Ilyukhin (Russian Krylov R&D Society of Shipbuilders)</i></p> <p>Rescue support system: efficiency indicators and criteria</p> <p><i>Speaker – Liudmila Kopaeva</i></p>
PS6	<p><i>M.V. Novikova</i> <i>(Gazprom VNIIGAZ LLC),</i> <i>I.V. Shabarchina</i> <i>(Moscow Automobile and Road Construction State Technical University (MADI))</i></p> <p>Building an economic and mathematical model for optimal use of operating personnel in the course of developing onshore production facility for offshore oil and gas fields</p> <p><i>Speaker – Marina Novikova</i></p>

PS7	<p>V.V. Afanasyev <i>(Institute of Marine Geology and Geophysics FEB of RAS)</i> Towards a new paradigm for the coast protection in the Arctic and Subarctic areas <i>Speaker – Victor Afanasiev (Leading Research Associate, Head of the Laboratory of Onshore Geosystems, PhD)</i></p>
PS8	<p>I.O. Klapchuk, A.A. Gorskaya <i>(Gazprom VNIIGAZ LLC)</i> Prospective methods to flare off-gases in case of accidents on offshore fields <i>Speaker – Irina Klapchuk (Engineer, Center of Prospective Development and Technology Efficiency)</i></p>