



14th INTERNATIONAL CONFERENCE AND EXHIBITION
ON THE OIL AND GAS RESOURCES DEVELOPMENT IN THE RUSSIAN ARCTIC
AND ON THE CONTINENTAL SHELF OF THE CIS COUNTRIES

RAO/CIS OFFSHORE 2019

1 – 4 OCTOBER 2019, ST. PETERSBURG, RUSSIA

CONFERENCE PROGRAM

as of 27 September 2019

**The Program Committee has the right to make
changes in the Conference Program**

PLENARY SESSION:

***Oil & Gas on the Russian Arctic Shelf:
the current status and future prospects***

THURSDAY, 3rd of OCTOBER 2019
10:00-12:30

Venue: Conference hall E11-E12, Pavilion E, ExpoForum

Moderator: Asiko DZHAVAKHYAN, Ministry of Energy of the Russian Federation, Adviser to the Minister

Welcome Addresses:

Alexander BEGLOV, Governor of St. Petersburg

Alexey KONTOROVICH, member of the Russian Academy of Sciences (RAS), Chairman of the RAS Research Council for Geology and the Development of Oil & Gas and Coal Resources

Keynote speakers:

Dmitry FISHKIN, Director for the Arctic at Far East Investment and Export Agency

Orest KASPAROV, Deputy Director of Federal Subsoil Resources Management Agency

Maxim KULINKO, Deputy Director of the Northern Sea Route Division, Head of the Directorate for Development of the Northern Sea Route and the Coastal Territories, Rosatom State Atomic Energy Corporation

Nils Andreas MASVIE, Vice-President, DNV GL AS

Sergey MENSHIKOV, Head of Department, Gazprom

Alexey NIKITENKO, Vice Governor of Arkhangelsk Region for Investment Policy

Andrey PATRUSHEV, Deputy CEO for Offshore Projects, Gazprom Neft, CEO, Gazprom Neft Shelf

Alexey RAKHMANOV, President, United Shipbuilding Corporation

Denis ROZHENTSEV, Head of Department for Investment Projects, LUKOIL

Andrey SHISHKIN, Vice-President for Energy, Localization and Innovation, Rosneft

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1 – 4 OCTOBER 2019, ST. PETERSBURG, RUSSIA

Conference session 1:

Prospects of development of hydrocarbon resources in the Russian Arctic and on the continental shelf

Conference session 1.1. Readiness of the resource base and the current status of implementation of oil and gas field development projects on the continental shelf

Venue: Conference hall 9, Pavilion H, ExpoForum

Co-chairs:

Valentina DAVYDOVA, Ministry of Energy of the Russian Federation, Project Director of Department for International Cooperation at Russian Energy Agency

Marat NURIEV, Gazprom, Deputy Head of Directorate

Vladimir KROKHA, Gazprom Dobycha Shelf Yuzhno-Sakhalinsk LLC, General Director

Sergey ZENIN, Gazprom Neft, Head of the Offshore Perspective Planning Department

Alexander ZHAROV, Rosneft Oil Company, Head of Department for Licensing and Subsoil Management

Timothy John CROME, TechnipFMC, Director, Global Technical Management

Mikhail SHEVELEV, Gazprom, Chief Directorate Technologist

AGENDA

TUESDAY, 01 OCTOBER 2019

09:30–09:45	Chairs' welcome addresses
09:45–10:00	Resource base and the current status of the projects for offshore gas fields development on the Sakhalin shelf Vladimir KROKHA, Gazprom Dobycha Shelf Yuzhno-Sakhalinsk LLC
10:00–10:15	Recourses estimate of the Russian Arctic region and direction of geological research Pavel MELNIKOV, VNIGNI
10:15–10:30	Law and development of oil and gas resources of the Russian Arctic and the continental shelf: from fragmentation to integrated regulation Anatoly KAPUSTIN, Institute of legislation and comparative law under the Government of the Russian Federation
10:30–10:45	Arctic studies of the Radium Institute and possibilities of mapping of the Arctic shelf by the method of isotopic geochemistry for identification of mineral deposits Alexander KOSTYLEV, Radium Khlopin Institute, JSC
10:45–11:00	The search problems and prospects for the development of new hydrocarbon deposits in the shelf of the Far Eastern Seas Anna STOROZHEVA, Gubkin Russian State University of Oil and Gas
11:00–11:30	Coffee-break

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11:30–11:45	Diversification of the current and future projects on the Sakhalin shelf by introducing global technology into the Far Eastern production environment Alexander SHCHERBAKOV, Rosshelf JSC
11:45–12:00	Gazprom Flot LLC's expertise in drilling wells offshore Sakhalin island Mikhail TSEMKALO, Gazprom Flot LLC
12:00–12:15	The experimental and mathematical modeling in the design of the LNG jetty Alexander ZIMIN, Krylov State Research Centre
12:15–12:30	Technology solutions to increase efficiency of oil and gas production on the Russian Arctic shelf: case study of Prirazlomnoye field Andrey PONOMAREV, Gazprom Neft Shelf LLC
12:30–12:45	Oil and gas potential of fractured reservoirs of the Pechora Sea Roman SAUTKIN, Lomonosov Moscow State University
12:45–13:00	In-time and on-budget construction of GBS foundations for offshore O&G production platforms Fredrik FINSETH, Kvaerner AS
13:00–14:30	Lunch
14:30–14:45	Technology and solutions for infrastructure development of Russian offshore fields Irina VERYUZHSKAYA, Oglænd System
14:45–15:00	The development and application of active heating technologies for flowlines and risers Timothy John CROME, TechnipFMC
15:00–15:15	Main provisions of the methodology for calculating the extreme values of ice load and their reflection in the standards ISO 19906 and GOST R 58283 Dmitry ONISHCHENKO, Gazprom VNIIGAZ LLC
15:15–15:30	Ice management (IM) for safe and efficient maritime operations in Arctic Viktor CHUGUNOV, Arctic Marine Technologies
15:30–15:45	Impact of the ice fields with fixed barrier under the influence of the wind of the drift current Vasily PYATKIN, Krylov State Research Centre
15:45–16:00	Ice condition monitoring and ice operations management Alexander NAUMENKO, Gazprom Geologorazvedka LLC

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16:00–16:15	Project execution model of offshore project with routing of engineering data Vasiliy BAYAZITOV, Gubkin Russian State University of Oil and Gas, OGE Engineering JSC
16:15–16:30	Discussion. Chairs' closing remarks. Preparation of materials for the Conference Resolutions

Conference session 1.2. Readiness of the resource base and gas condensate field development projects of the Arctic coast and the Kara sea shelf, including the Ob and Taz bays

Venue: Conference hall 9, Pavilion H, ExpoForum

Co-chairs:

Denis ILCHENKO, Gazprom, Head of Division

Igor MELNIKOV, Gazprom Dobycha Nadym, General Director

Andrey YEFIMOV, Gazprom Dobycha Yamburg, Deputy General Director for Long-Term Development

Sergey SHKARUBO, Marine Arctic Exploration Expedition, General Director

Andrey CHERNYKH, VNIIOkeangeologia named after I.S. Gramberg, Deputy General Director

Oleg PRISHCHEPA, All-Russia Petroleum Research Exploration Institute (VNIGRI), Managing Director

Sergey SMIRNOV, President of the Sozvezdye Association of Oil and Gas Suppliers, head of the Arkhangelsk Oblast shipbuilding cluster

Sergey KOKIN, Arkhangelsk Transport Hub JSC, General Director

Executive secretary:

Arseny MITKO, Head of the Young Northern Scientists' Council at the Arctic Academy of Sciences

AGENDA

WEDNESDAY, 02 OCTOBER 2019

09:30–09:45	Chairs' welcome addresses
09:45–10:00	Experience and perspective of Arctic offshore area development Sergey KNYSH, CDB Corall JSC
10:00–10:15	Development of logistic schemes of supply and delivery of products of deposits of the Arctic zone of the Russian Federation on the example of the sea port Arkhangelsk Sergey KOKIN, ATIH Arkhangelsk JSC
10:15–10:30	Projects in the Arctic zone of the Russian Federation as a driver to improve transport infrastructure in the Arctic Sergey SMIRNOV, Sozvezdye Association of oil and gas suppliers

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10:30–10:45	Petroleum prospects of the Timan-Pechora offshore basin based on the results of regional seismic exploration data research Oleg PRISCHEPA, VNIGRI
10:45–11:00	Aerospace technology for offshore oil and gas fields development in the Arctic Pyotr KORVYAKOV, Gazprom Space Systems JSC
11:00–11:30	Coffee-break
11:30–11:45	New tectonic map of the Arctic Evgeny PETROV, FGBU VSEGEI
11:45–12:00	Taking into account the local peculiarities of hydrometeorological and ice regime of various areas of the Arctic offshore while performing the engineer surveys Alexander NESTEROV, Arctic and Antarctic Research Institute
12:00–12:15	Hummocks keel draft in the Kara Sea according to data of bottom sonars Alexey NAUMOV, Arctic and Antarctic Research Institute
12:15–12:30	Construction of PO-1 prospecting well at the North-Obskiy license area, integrated approach to optimizing the construction of offshore exploration wells Nikolay VOVK, Novatek
12:30–12:45	Particular features of offshore field development projects at Obskaya bay Denis ILCHENKO, Gazprom
12:45–13:00	Solutions of Severodvinsk industrial cluster for construction of ice-resistant oil platform “A” for Kamennomyskoye-Sea field. Nikolay KALISTRATOV, Zvyozdochka Shiprepairing center, JSC
13:00–14:30	Lunch
14:30–14:45	The issues of exploring the Kharasavey and Krusenstern Fields Dmitry STRATOV, Gazprom dobycha Nadym LLC
14:45–15:00	Search and mapping of geological hazards on the West Yamal shelf Alexander DEMONOV, Marine Arctic Geological Expedition JSC
15:00–15:15	Current status of the Kamennomyskoye-sea gas field construction design Andrey EFIMOV, Gazprom dobycha Yamburg LLC
15:15–15:30	Features of the geological structure and prospects of new discoveries of oil deposits in the lower Cretaceous and Jurassic sediments in the waters of the Obskaya and Tazovskaya Bays of the Kara Sea Alexander DZIUBLO, Gubkin Russian State University of Oil and Gas

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15:30–15:45	The Kara Sea as a potential testing ground for effective cooperation between state-owned companies and enterprises of Federal Subsoil Resources Management Agency to explore and develop offshore oil and gas resources Andrey CHERNYKH, VNIIOkeangeologia named after I.S. Gramberg
15:45–16:00	The features of preparing ice infrastructure for unloading sea ships in the points of non-mooring ship handling via fast ice Nikolay KUBYSHKIN, Arctic Shelf Consulting LLC
16:00–16:30	Coffee-break
16:30–16:45	Complex of organizational and technical activities for construction of search-evaluating and operational wells on the shelf of the Okhotsk and Kara Seas Maksim DERYABIN, Chelpipe, Eduard FATUNOV, Rosshelf JSC
16:45–17:00	Column building algorithm for automated vehicles Maxim FARAFONTOV, Nizhny Novgorod State Technical University named after R.E. Alekseev
17:00–17:15	Innovative technology of natural gas extraction in the open sea Anatoly MISHEDCHENKO, MCC-Shaftproject LLC
17:15–17:30	Lower cretaceous clinofolds of the Barents-Kara Sea shelf: new exploration targets Alina MORDASOVA, Lomonosov Moscow State University
17:30–17:45	Discussion. Chairs' closing remarks. Preparation of materials for the Conference Resolutions

Conference session 1.3. Oil and gas field development projects of the Caspian, Black, Azov and Baltic seas

Venue: Conference hall 9, Pavilion H, ExpoForum

Co-chairs:

Yuri SHAMALOV, Gazprom Flot, General Director

Alexander ZIMIN, Krylov State Research Center, Chief Designer

Executive Secretary:

Irina BLAGOVIDOVA, CDB Corall, Deputy Head of General Project Design and Marine Architecture

AGENDA

THURSDAY, 03 OCTOBER 2019

14:15–14:30	Chairs' welcome addresses
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14:30–14:45	Gazprom Flot LLC’s expertise of drilling wells in the Azov and Baltic Seas Sergey BOKAREV, Gazprom Flot LLC
14:45–15:00	Perspective safety regulation of marine oil and gas objects Alexey LYAPIN, Union of HSE Experts (SSPEB), LLC
15:00–15:15	Numerical modelling of marine operation stages during the construction of oil & gas facilities at sea Irina BLAGOVIDOVA, CDB Corall JSC
15:15–15:30	Remote monitoring system of offshore platforms Alexey KUKUSHKIN, Transas LLC
15:30–15:45	Application of the numerical modelling methods for determining stability parameters and external actions on the jack-up Andrey PYANOV, CDB Corall JSC
15:45–16:00	Oil & gas fields development in the Northern Caspian Sea: case study of the Kuvykin field Oleg SHUMOVSKY, Lukoil PJSC
16:00–16:30	Coffee-break
16:30–16:45	Oil and gas potential of the Russian Arctic shelf: new promising oil and gas fields Anna SUSLOVA, Lomonosov Moscow State University
16:45–17:00	Suggestions on increasing the fillability of cargo tanks for transportation of liquid cargo in bulk Valentina GETMAN, Saint-Petersburg State Marine Technical University
17:00–17:15	Innovative areas of economic activity on the Arctic shelf Valery MITKO, Arseny MITKO, Arctic Public Academy of Sciences
17:15–17:30	New approach and tendency of exploration on oil and gas Antonina STUPAKOVA, Lomonosov Moscow State University
17:30–17:45	Discussion. Chairs’ closing remarks. Preparation of materials for the Conference Resolutions

Conference session 2:

The current status and prospects of production of innovative marine oil and gas field equipment and systems for machine and ship building plants of the Russian Federation

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Conference session 2.1. Design, construction and operation of offshore oil and gas production platforms and LNG production facilities

Co-chairs:

Alexander CHEMODANOV, Krylov State Research Centre, Deputy Head of Department

Andrey TIMIN, Morneftegazproekt JSC, General Director

Executive Secretary:

Vladimir TAROVNIK, Krylov State Research Center, Chief Designer

AGENDA

WEDNESDAY, 02 OCTOBER 2019

10:00–10:15	Chairs' welcome addresses
10:15–10:30	Outstanding problem of technical means using for personnel group evacuation from offshore oil and gas facilities Vladimir TAROVNIK, Krylov State Research Centre
10:30–10:45	Experimental justification of methods for mitigation of ice actions on offshore structures and for ice loads calculation Gennady KRYZHEVICH, Krylov State Research Center
10:45–11:00	Comprehensive approach guided towards increasing the periods of drilling to enhance the capabilities of the offshore drilling process in ice conditions Maria NIKOLAEVA, Morneftegazproject, JSC
11:00–11:30	Coffee-break
11:30–11:45	Arctic and Cold Climate Solutions Haakon SKRETTING, Norwegian Energy Partners
11:45–12:00	Assessment of the strength and stability of the construction of the protective structure in the construction and operational periods Svetlana SOSNINA, Vedeneev VNIIG, JSC
12:00–12:15	Float technological FPSO/FLNG platforms capacity evaluation for the project intents Konstantin BEREZHNOY, Krylov State Research Centre
12:15–12:30	Impressed current corrosion protection and corrosion monitoring of offshore, underwater and harbor facilities Anatoly YABLUCHANSKIY, JSC Pipeline Systems and Technologies JSC
12:30–12:45	Severstal's capacity for production of flat products and large-diameter pipes for offshore projects

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	Viacheslav MIKHEEV, Severstal Management JSC
12:45–13:00	Tap to transmitter Swagelok solutions. Engineering combinations of materials for hook-up sensors and instrument in the sea climate application Sergey BONDARENKO, Swagelok Russia
13:00–14:30	Lunch
14:30–14:45	Marine robots for world ocean exploration Gleb TURICHIN, Saint-Petersburg State Marine Technical University
14:45–15:00	The safety assessment of floating oil and gas platforms using the criterion "fail-safe" Yury KHARCHENKO, Gubkin Russian State University
15:00–15:15	Hydrocarbon reserves and resources of the Russian Arctic and continental shelf. Prospects for development Igor SHPUROV, State Committee for Natural Resources
15:15–15:30	Discussion. Chairs' closing remarks. Preparation of materials for the Conference Resolutions

Conference session 2.2. Underwater technologies as the key to hydrocarbon resources of the continental shelf in various climate zones. International cooperation

Venue: Conference hall 7, Pavilion H, ExpoForum

Co-chairs:

Alexey NOVIKOV, Gazprom, Deputy Head of Directorate

Egil TVEIT, TechnipFMC, Technical Director, Russia

Sergey USTINOV, Titan-Barrikady Federal Research and Production Center, Head of Department

Oleg SOCHNEV, Rosneft Oil Company, Deputy Director of the Scientific Development and Innovations Department

Executive Secretary:

Alexey AGAFONOV, Krylov State Research Center, Chief Designer

AGENDA

THURSDAY, 03 OCTOBER 2019

14:00–14:15	Chairs' welcome addresses
14:15–14:30	Krylov Center experimental base development project to ensure OPC home equipment construction

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1 – 4 OCTOBER 2019, ST. PETERSBURG, RUSSIA

	Alexey AGAFONOV, Krylov State Research Centre
14:30–14:45	On the creation of domestic equipment for underwater hydrocarbon extraction Sergey USTINOV, Titan-Barricades Federal Research and Production Center
14:45–15:00	Creation of digital submersed production Alexey KIBKALO, Viktor BASHURIN, RFNC-VNIIEF FGUP
15:00–15:15	Industry acceptance of the integrated contract model (iEPCI) for subsea Egil TVEIT, TechnipFMC
15:15–15:30	Specifics of infrastructure development and operation of subsea oil & gas production facilities on Sakhalin Island Evgeny PODOLYAKO, Gazprom PJSC
15:30–15:45	Managing reservoir development in offshore fields with subsea wellheads Yulia KAMINSKAYA, Gazprom Dobycha Shelf Yuzhno-Sakhalinsk LLC
15:45–16:00	Definition technique of residual term operation for subsea production system Eldar SALEEV, Gazprom Dobycha Shelf Yuzhno-Sakhalinsk LLC
16:00–16:30	Coffee-break
16:30–16:45	Conceptual design of special containment dome for subsea oil spill response Ivan ROMSHIN, Lazurit Central Design Bureau JSC
16:45–17:00	Methodological approach to verify general operational parameters of subsea booster compression station based on sensitivity analysis Mikhail VORONTSOV, Gazprom VNIIGAZ LLC
17:00–17:15	General solutions for application of subsea booster compression stations for offshore fields development in the Arctic and in the Far East of Russia Alexander DROZDOV, Gazprom VNIIGAZ LLC
17:15–17:30	Discussion. Chairs' closing remarks. Preparation of materials for the Conference Resolutions

Conference session 3:

Creating a fleet for development of oil and gas fields of the coastal areas and shelf of the Arctic seas

Venue: Conference hall 7, Pavilion H, ExpoForum

Co-chairs:

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1 – 4 OCTOBER 2019, ST. PETERSBURG, RUSSIA

Alexander DUBOVOY, Gazprom, Deputy Head of Directorate

Andrey KRESTYANTSEV, Krylov State Research Center, Deputy head of the Department

Alexey ILYIN, Kurchatov Institute National Research Center, CRISM "Prometey", Deputy Head of Research, Head of the Structural Steels and Functional Materials for Shipbuilding research and production complex

Sergey BUYANOV, Central Marine Research and Design Institute, General Director

Alexey LOBANOV, GAZPROM, Head of the Shipbuilding Department

Alexander PASHALI, Rosneft Oil Company, Head of Department

Evgeny APPOLONOV, Lazurit Central Design Bureau, General Director

Valery BORODIN, Sevmash Production Association JSC, Head of the Guarantee and Service Department for Military and Technical Cooperation and Civil Projects

Executive secretaries:

Mikhail KIRILLOV, Rubin Central Design Bureau for Marine Engineering, Deputy Chief Designer

Olga SYCH, Kurchatov Institute National Research Center, CRISM "Prometey", Head of Sector

Roman ROMANOV, Krylov State Research Center, Head of the Department

AGENDA

TUESDAY, 01 OCTOBER 2019

09:30–09:45	Chairs' welcome addresses
09:45–10:00	Current state and development trends of research and seismic fleet: business needs and shipbuilding industry capability Alexey LOBANOV, Gazprom PJSC
10:00–10:15	Oil & gas fleet construction: experience and outlook Alexander TARKHOV, Gazprom Flot LLC
10:15–10:30	Designing of Arctic-class offshore multi-purpose vessels Sergey PILIKIN, Lazurit Central Design Bureau JSC
10:30–10:45	Development of Russian manned underwater apparatus for maintenance of subsea long-distance gas pipelines Ivan KOLESNIKOV, Kurchatov Institute National Research Center
10:45–11:00	Scientific-technological basics of Arctic cold-resistant steels development Olga SYCH, Kurchatov Institute National Research Center – CRISM "Prometey"
11:00–11:30	Coffee-break
11:30–11:45	The development of basic design for PR.22740M shallow water icebreaker to be built at Zvezda SBC

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	Anatoly PETROV, Lazurit Central Design Bureau JSC
11:45–12:00	Development of competitive technologies and equipment for precision production of bulky hull structures for Arctic vessels and offshore marine machinery Vladimir BUKATO, Shipbuilding & Shiprepair Technology Center, JSC
12:00–12:15	Severstal's capacity for production of flat products for shipbuilding including cold-resistant steel for the Arctic Anton POPKOV, Severstal Management JSC
12:15–12:30	Study of the supply fleet efficiency factors on the Kara Sea case Andrey KRESTYANTSEV, Krylov State Research Centre
12:30–12:45	Potential of Akademik Cherskiy Vessel to perform offshore pipelay and underwater engineering work Dmitry EMELYANOV, Gazprom Flot LLC
12:45–13:00	Palfinger lifting and rescue equipment for work in the conditions of the Arctic and continental shelf of the Russian Federation Vladimir AVDEYCHIK, Palfinger Marine Rus LLC
13:00–14:30	Lunch
14:30–14:45	Evaluation of environmental limits set by International Maritime Organization on the marine fuel market in the Arctic basin Alexey RODIN, Gazpromneft Marine Bunker Ltd.
14:45–15:00	Methodical and organizational framework for training marine engineers to operate equipment on the shelf of the Russian Federation Viktor ROMANOVSKIY, Admiral Makarov State University of Maritime and Inland Shipping
15:00–15:15	ECS dKart navigator ice advanced technology for efficient use of ice and navigation information on platform and ice ships Ivan SITNIKOV, NAVdCo LLC
15:15–15:30	Fuels and lubricants for the vehicle operation in the Arctic zone Alexander CHERNOUSOV, 25th State Research Institute of the chemmotology of the Ministry of Defence of the Russian Federation
15:30–15:45	Education and training of maritime crew personnel for semi-submersible rigs Andrey KOZHEVNIKOV, Sim Tech LLC
15:45–16:00	Development of Mi-171A3 helicopter for transportation to offshore oil platforms Sergey KAYUMOV, Mil Moscow Helicopter Plant

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16:00–16:15	Discussion. Chairs' closing remarks. Preparation of materials for the Conference Resolutions
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Conference session 4:

Energy support for production of hydrocarbons on the Arctic continental shelf

Venue: Conference hall 8, Pavilion H, ExpoForum

Co-chairs:

Vasily USTINOV, Kurchatov Institute National Research Center, Deputy Director for Special Projects

Vladimir ANTONOV, Malachite St. Petersburg Marine Bureau of Machine Building, Chief Designer

Executive secretary:

Vladimir MALYGIN, Krylov State Research Center, Chief Designer

AGENDA

WEDNESDAY, 02 OCTOBER 2019

09:30–09:45	Chairs' welcome addresses
09:45–10:00	Small nuclear power engineering: awaiting offshore projects Alexander FROLOV, Kurchatov Institute National Research Center
10:00–10:15	The concept development of the low-power energy module for underwater production complex energy supply in the Russian Arctic climate conditions Vladimir MALYGIN, Krylov State Research Centre
10:15–10:30	Designs of small nuclear power plants: land-based and floating modifications Alexander TURUSOV, JSC Afrikantov OKBM JSC
10:30–10:45	Concept engineering solutions. Power supply systems of 40-80 MWt for LNG Alexey NADYRSHIN, United Shipbuilding Corporation
10:45–11:00	Research and development of nuclear power units for new generation nuclear-powered ice breakers and floating power units Vladimir MAKAROV, Kurchatov Institute National Research Center
11:00–11:30	Coffee-break
11:30–11:45	Modern electric power systems and electric power plants for supply vessels and marine oil & gas facilities Andrey GRIGORYEV, Saint-Petersburg Electrotechnical University "LETI"
11:45–12:00	Summation of exploitation of ARC130A multi-purpose diesel electric icebreakers Vladimir ZAGORULKO, Gazpromneft Shipping LLC

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1 – 4 OCTOBER 2019, ST. PETERSBURG, RUSSIA

12:00–12:15	How to increase efficiency of liquid hydrocarbons transportation Denis VORONTSOV, Rospan International JSC
12:15–12:30	Power supply of subsea production systems Sudur SUGUNUSHEV, Gubkin Russian State University of Oil and Gas
12:30–12:45	Discussion. Chairs' closing remarks. Preparation of materials for the Conference Resolutions

Conference session 5:

Environmental and industrial safety of hydrocarbon development in the Russian Arctic and on the continental shelf

Co-chairs:

Sergey SINYAKOV, Gazprom, Deputy Head of Division

Anatoly SOROKIN, Gazprom Gazobezopasnost LLC, General Director

Executive Secretaries:

Anatoly SHAVYKIN, Murmansk Marine Biological Institute of Kola Scientific Center of Russian Academy of Sciences, Chief Research Scientist of the Environmental Engineering Laboratory

Nikolay VALDMAN, Krylov State Research Center, Head of Section

AGENDA

TUESDAY, 01 OCTOBER 2019

09:45–10:00	Chairs' welcome addresses
10:00–10:15	New trends in monitoring of marine objects on the example of the Block conductor Alexey SHICHENKOV, Transas LLC
10:15–10:30	Environmental security ensuring in exploration for hydrocarbons on the shelf of the Bering Sea under industrial development of the coastal zone on Kamchatka side Vadim DMITRIEV, Peter's Academy of Sciences and Arts
10:30–10:45	Catalytic cleaning of gas emissions from greenhouse gases when developing Arctic shelf deposits Kirill TOMSKY, Maria IVANOVA, Polytechnic Institute (branch) of the North-Eastern Federal University named after M.K. Ammosov in Mirny
10:45–11:00	Development problems of vulnerability maps of sea-coastal zones to oil Anatoly SHAVYKIN, Murmansk Marine Biological Institute of the Kola Scientific Center

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	of the Russian Academy of Sciences
11:00–11:30	Coffee-break
11:30–11:45	Fire protection as an element of sustainable operation of Arctic oil and gas platforms Alexey MIRONCHEV, Saint-Petersburg University of State Fire Service of EMERCOM of Russia
11:45–12:00	Salvaging of sunken vessels in Arctic and Far Eastern coastal waters: ecological aspects Nikolay VALDMAN, Krylov State Research Centre
12:00–12:15	Satellite methods for definition of the ice cover state to ensure efficiency and safety of ice navigation along the NSR Irina BYCHKOVA, Arctic and Antarctic Research Institute
12:15–12:30	Financial figures of expenses, losses and compensation of oil spills clean up. Modelling of impacts of oil spills controlled burning Valentin ZHURAVEL, Informatics of Risk Science and Methods Center
12:30–12:45	The importance of hydrometeorological monitoring of the Arctic to ensure the uninterrupted realization of offshore operations Konstantin SMIRNOV, Arctic and Antarctic Research Institute
12:45–13:00	International liability regime for oil pollution damage arising from offshore activities Elena GAVRILINA, MGIMO
13:00–14:30	Lunch
14:30–14:45	Some aspects of radiological monitoring applied to promising subsea production technologies in Arctic and continental shelf regions Igor GAPONOV, Kurchatov Institute National Research Center
14:45–15:00	Development of technology and a complex of automated equipment for manufacturing protection units of nuclear-powered icebreakers and floating nuclear power stations Vladimir SOLOMATOV, Shipbuilding & Shiprepair Technology Center JSC
15:00–15:15	New generation of explosive cutting devices for demounting the bases of offshore oil constructions Igor SHIBERIN, RFNC-VNIIEF
15:15–15:30	Perspective high-speed helicopter for use in rescue operations and service remote from a short trail of oil-producing platforms or ships located along the Northern Sea Route

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	Oleg KIRILLOV, Central AeroHydrodynamic Institute
15:30–15:45	Well control service on offshore facility (drilling rigs, fixed platforms) in the progress of offshore field development Sergey SVERCHKOV, Gazprom gazobezopasnost LLC
15:45–16:00	Highly effective marine dispersant for oil spill response FINASOL OSR 52 Evgeny TRAVNIKOV, Total Vostok
16:00–16:30	Coffee-break
16:30–16:45	Arctic coast remediation: new Russian biotechnologies Ilya KULIKOV, State Regional Centre for Standardization, Metrology and Testing in the Murmansk region
16:45–17:00	Domestic technology – the source of receiving reliable data during the works on ocean shelf Olga LOZITSKAYA, AVERS, CIT LLC
17:00–17:15	Challenges of sewage water and liquid waste handling management in the Arctic shelf region Igor KAPLIN, CDB Corall JSC
17:15–17:30	Fast liquidation complex of emergency oil spills on the Arctic shelf Alla KOSHURINA, Nizhny Novgorod State Technical University named after R.E. Alekseev
17:30–17:45	Multi-purpose polymer sorbent agents with additional performing capacity ensuring ecological safety of the Northern Sea Route and the Arctic cluster for cleanup of water areas, Arctic soils and continental shelf Inna MARYANCHIK, Sibecosorb, LLC
17:45–18:00	Discussion. Chairs' closing remarks. Preparation of materials for the Conference Resolutions

Conference session 6:

Young session. Case study 'Concept of development of the Northern Sea Route in terms of offshore oil and gas exploration of the Arctic and the Far East'.

Sponsor:



Venue: Conference Hall 10, Pavilion H, ExpoForum

Co-chairs:

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Pavel SOROKIN, Deputy Minister for Energy of the Russian Federation

Alexander GLADKOV, Ministry of Energy of the Russian Federation, Director of Oil and Gas Production and Transportation Department

Elena KASYAN, GAZPROM, Head of the Department

Maxim NEDZVETSKY, Gazprom VNIIGAZ LLC, General Director, Gazprom, Deputy Director of Department

Mustafa KASHKA, Atomflot, General Director

Expert panel

Vadim PETRENKO, GAZPROM, Head of Directorate

Alexey MALYUTIN, Gazprom Neft, Director of Department for Prospective Development and Project Portfolio Management

Andrey SUYETINOV, Gazprom Dobycha Shelf Yuzhno-Sakhalinsk LLC, Chief Engineer, First Deputy General Director

Valery IVANOV, Gazprom Flot LLC, Deputy General Director for Human Resources

Andrey GUSTOY, Gazprom Neft, Deputy General Director for Organizational Issues

Stanislav GOLUBIN, Gazprom VNIIGAZ LLC, Director of R&D Center for Offshore Oil and Gas Development

Dilizhan MIRZOYEV, Gazprom VNIIGAZ LLC, Chief Researcher

Sergey VERBITSKIY, Head of Department at St. Petersburg State Marine Technical University

Executive Secretaries:

Konstantin BEREZHNOY, St. Petersburg State Marine Technical University, Senior Lecturer

Natalya ANISIMOVA, Director of Gazprom VNIIGAZ LLC Training Facility

AGENDA

TUESDAY, 01 OCTOBER 2019

10:00–10:40	Welcome addresses:
	Pavel SOROKIN , Deputy Minister for Energy of the Russian Federation
	Elena KASYAN , GAZPROM, Head of the Department
	Maxim NEDZVETSKY , Gazprom VNIIGAZ LLC, General Director, Gazprom, Deputy Director of Department
	Mustafa KASHKA , Atomflot, General Director
	Andrey SUYETINOV , Gazprom Dobycha Shelf Yuzhno-Sakhalinsk LLC, Chief Engineer, First Deputy General Director, Representative of the Young Session Sponsor
10:40-11:00	Training of the qualified industry professionals to work in the Arctic Sergey BARYSHNIKOV, Admiral Makarov State University of Maritime and Inland Shipping, Rector



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11:00–11:30	Coffee-break
11:30–13:00	Digital transformation Aliya SAMATOVA, Innopolis University, Vice Rector for Development and Human Resources
13:00–14:30	Lunch
14:30–16:00	Creation of social and economic conditions for population and development of coastal areas of the Arctic zone Alexander PILYASOV, D.Sc., Lomonosov Moscow State University, Professor, Institute of Regional Consulting, General Director
16:00–17:30	Specifics of ice conditions at Yamal coastal water areas Dmitry ONISHCHENKO, Director of Laboratory of Applied Force and External Effects at Gazprom VNIIGAZ

WEDNESDAY, 02 OCTOBER 2019

09:30–11:00	Team building training Sergey ZHUKOVSKY, Gazprom Corporate Institute, Director
11:00–11:30	Coffee-break
11:30–13:00	Workshop with consultants from Gazprom VNIIGAZ, Gazprom, Gazprom Neft
13:00–14:30	Lunch
14:30–17:30	Workshop with consultants from Gazprom VNIIGAZ, Gazprom, Gazprom Neft

THURSDAY, 03 OCTOBER 2019

09:30–11:00	Defence of presentations (Teams 1 - 4)
11:00–11:30	Coffee-break
11:30–13:00	Defence of presentations (Teams 5 - 8)
13:00–14:30	Lunch
14:30–16:30	Closing addresses. Award of the winner team

Conference session 7:

Conditions of creating a sustainable marine transportation system of the Arctic oil and gas (roles of Rosatom, the Ministry of Transportation, the Ministry of Natural Resources and Environment, Russian Metrological Service, the Russian marine emergency rescue service, shipbuilding companies etc.).

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1 – 4 OCTOBER 2019, ST. PETERSBURG, RUSSIA

Venue: Conference hall 8, Pavilion H, ExpoForum

Co-chairs:

Maxim KULINKO, Deputy Director of the Northern Sea Route Administration — Head of the Department for the Northern Sea Route and Coastal Areas Development of State Atomic Energy Corporation “Rosatom”

Mikhail GRIGORIEV, Gecon LLC, General Director, Research Council at Security Council of the Russian Federation, R&D Council at Ministry of Natural Resources and Environment of the Russian Federation

Executive secretary:

Inga SOCHNEVA, Doctor of Science, Associate Professor at the Department for Global Energy Policy and Energy Safety at MGIMO University, IIEP

AGENDA

THURSDAY, 03 OCTOBER 2019

14:00–14:05	Chairs' welcome addresses
14:05–14:20	Provisional data of shipping along the Northern Sea Route in 2019 Nikolay MONKO, The Northern Sea Route Administration
14:20–14:35	TBC Sergey KHRUSHCHEV, Ministry of Natural Resources and Environment of the Russian Federation
14:35–14:50	Development of nuclear-powered ice breaker fleet for support of large-scale projects in the Arctic Konstantin KNYAZEVSKY, Atomflot
14:50–15:05	Northern Sea Route shipping: myths and reeves Mikhail GRIGORIEV, Gecon LLC, Research Council at Security Council of the Russian Federation, R&D Council at Ministry of Natural Resources and Environment of the Russian Federation
15:05–15:20	Regarding peculiarities of ice navigation on the sea channel of port Sabetta in winter period Diana KIDZHI, Atomflot
15:20–15:35	Arctic fleet operation through the NSR Dmitry ELESIN, Gazpromneft Shipping LLC
15:35–15:50	Possibilities of using low ice class vessels for seasonal transportation of hydrocarbons in the Arctic Alexey SHTREK, Aker Arctic Technology LLC

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15:50–16:05	Joint capacities of railroad transportation and the Arctic ports to increase cargo traffic in the Arctic Natalia VINOKUROVA, RZD Logistics LLC
16:05–16:30	Coffee-break
16:30–16:45	Digitalisation of the Arctic logistics Rafael VALIULLIN, Gazprom Neft
16:45–17:00	Information support of operations for navigation and berthing of transport in the shelf waters of the Arctic zone of the Russian Federation on the basis of modern radar and navigation technologies Vadim USACHEV, Bauman Moscow State Technical University
17:00–17:15	Specific factors to ensure hydrometeorological safety along the Northern Sea Route Alexander MAKAROV, Arctic and Antarctic Research Institute
17:15–17:30	Development of technologies of ice services in the winter period for provision of stable oil and gas transportation in the area of the Northern Sea Route Yevgeny MIRONOV, Arctic and Antarctic Research Institute
17:30–17:45	Russian Federation application for the extension of the continental shelf in the Arctic Ocean and the current development directions of the world offshore hydrocarbon production Inga SOCHNEVA, MGIMO University, IIEP
17:45–18:00	Discussion. Chairs' closing remarks. Preparation of materials for the Conference Resolutions