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**Program**  
**International scientific and practical conference of**  
**young scientists and specialists "Technologies of the future of oil and**  
**gas producing regions" (RAS),**  
**IV International Youth Scientific and Practical**  
**Forum**  
**Oil Capital, Surgut,**  
**March 23-24, 2022**

Official website of the forum - [www.oilcapital.admhmao.ru](http://www.oilcapital.admhmao.ru)  
*Registration of forum participants on the site is required.*

**Event format** : hybrid (online/offline)

**Conference Venues:**

<b>March 23</b>	
<b>Section 1. "Modern technological solutions in the oil and gas industry" Moderators:</b> <b>Giruts Maxim Vladimirovich</b> Doctor of Chemical Sciences Deputy Head of the Department of Organic Chemistry and Petroleum Chemistry, Russian State University of Oil and Gas (NRU) named after I.M. Gubkin; <b>Kuryakov Vladimir Nikolaevich</b> , Candidate of Physical and Mathematical Sciences, Institute of Oil and Gas Problems of the Russian Academy of Sciences;	
<b>11:00-11:20</b>	<b>Plenary reports:</b>  <b>Giruts Maxim Vladimirovich</b> , Doctor of Chemical Sciences Deputy Head of the Department of Organic Chemistry and Petroleum Chemistry, Russian State University of Oil and Gas (NRU) named after I.M. Gubkin. <b>Topic of the report:</b> " Modern origin of the origin of oil"
<b>11:20-11:30</b>	<b>In-person speaker:</b> <b>Nagovitsin Alexander Vitalievich</b> LLC "LUKOIL-Engineering" "PermNIPIneft" Russia, Perm, Alexandr.Nagovitsin@pnn.lukoil.com <b>Topic:</b> Application of 3D Geomechanical Modeling to Optimize the Well Construction Process
<b>11:30-11:40</b>	<b>Online speaker:</b> <b>Pavlovich Yuri Olegovich</b> JSC "TomskNIPIneft" Russia, Tomsk.

	<b>Topic of the report:</b> "Modern Method for Estimating Core Fracturing on the Example of Carbonate Reservoirs in Eastern Siberia"
<b>11:40-11:50</b>	<b>In-person speaker:</b> <b>Nevestenko Mikhail Alexandrovich, Tarasova Yulia Stanislavovna, Yermolovsky A.V., Sadmanova M.V.</b> Branch of LLC "LUKOIL-Engineering" "PermNIPIneft" Russia, Volgograd. <b>Topic:</b> Using Reservoir Geochemistry Methods to Evaluate Inflow Intervals in Multilayer Fields
<b>12:00-12:10</b>	<b>In-person speaker:</b> <b>Tarasova Julia Stanislavovna, Nevestenko Mikhail Alexandrovich, Sadmanova M.V., Ermolovsky A.V.</b> Branch of LLC "LUKOIL-Engineering" "PermNIPIneft" Russia, Volgograd. <b>Topic of the report:</b> Geochemical technologies in the study of technogenic products that impede the development and operation of deposits
<b>12:10-12:20</b>	<b>In-person speaker:</b> <b>Zhichko Yan Evgenievich</b> OOO RN-Yuganskneftegaz Russia, Nefteyugansk. <b>Topic:</b> Drilling horizontal wells with azimuth curvature
<b>12:20-12:30</b>	<b>In-person speaker:</b> <b>Ivanov Alexey Igorevich</b> South State University Khanty-Mansiysk. <b>Topic of the report:</b> Prospects for the oil and gas potential of the Verne Cretaceous deposits in the study area
<b>12:30-12:40</b>	<b>In-person speaker:</b> <b>Karamli Shahin Sardar</b> OOO LUKOIL-PERM Russia, Perm. <b>Topic of the report:</b> Model of areal objects as a decision making tool
<b>12:40-12:50</b>	<b>In-person speaker:</b> <b>Shibiko Anatoly Vyacheslavovich</b> Salym Petroluem Development Russia, Moscow. <b>Topic of the report:</b> Improving the efficiency of field pipeline reliability management in the Salym group of fields through the introduction of the W-IM software product

12:50-13:00	<p><b>Online speaker:</b>  <b>Galeev Dinis Irekovich</b>          OOO RN-BashNIPneft Russia, Ufa.  <b>Topic of the report:</b> Building a hydrodynamic model of non-target reservoirs for forecasting AHRP in case of sidetracking</p>
	<p><b>Lunch break</b></p>
17:30-17:40	<p><b>Online speaker:</b>  <b>Limanov Maxim Nikolaevich</b>          St. Petersburg Mining University St. Petersburg.  <b>Topic of the report:</b> Rationale for the use of new killing compounds for the conditions of the fields of the Volga-Ural oil and gas province</p>
17:40-17:50	<p><b>Online speaker:</b>  <b>Dyakonov Kirill Andreevich</b>          Udmurt State University Russia, Izhevsk.  <b>Topic of the report:</b> Prospects and effectiveness of downhole pumping technology</p>
17:50-18:00	<p><b>Online speaker:</b>  <b>Buzmakov Dmitry Sergeevich</b>          OOO Lukoil-Perm Russia, Perm.  <b>Topic:</b> Applying Blockchain Technology to Improve Efficiency in the Oil and Gas Industry</p>
18:00-18:10	<p><b>Online speaker:</b>  <b>Leontiev Dmitry Sergeevich</b>          FGBOU VO TIU Russia, Tyumen.  <b>Topic of the report:</b> Technology of waterproofing works in a gas production well</p>
18:10-18:20	<p><b>In-person speaker:</b>  <b>Manikhin Oleg Yurievich</b>          LLC "Gazrom dobycha Noyabrsk" Noyabrsk.  <b>Topic of the report:</b> Optimization and improvement of the system of corrosion monitoring of the Chayandinskoye oil and gas condensate field</p>
18:20-18:30	<p><b>Online speaker:</b>  <b>Ishamchurin Emil Ilgizovich</b>          JSC "Samotlorneftegaz" Nizhnevartovsk.  <b>Topic of the report:</b> Optimization of the well workover process through the use of a multifunctional assembly. Larger volume fracturing as an alternative to sidetracking</p>

<b>18:30-18:40</b>	<b>Online speaker:</b> <b>Betekhtin K.I.</b> OOO RN-Uvatneftegaz. Russia, kibetekhtin@gmail.com <b>Topic of the report:</b> Reducing the cost of hydraulic fracturing by preparing a - hydraulic fracturing fluid on the water of the Cenomanian reservoirs
<b>18:40-18:50</b>	<b>Online speaker:</b> <b>Akhmadiev Rustem Fanilevich</b> PJSC Surgutneftegaz, UVSING Surgut. <b>Topic of the report:</b> Additional generation at a gas turbine power plant of an oil and gas field
<b>18:50-19:00</b>	<b>Tatriev Aslanbek Amerkhanovich</b> Samotlorneftegaz JSC Russia Nizhnevartovsk. <b>Topic of the report:</b> Use of own cut ( collaterally harvested) wood for laying

### March 24

#### Section 1. "Modern technological solutions in the oil and gas industry"

##### Moderators:

**Varfolomeev Mikhail Alekseevich** Ph.D. Head of the Department of Development and Operation of Deposits of Hard-to-Recover Hydrocarbon Reserves, Head of the Econeft Priority Area, Kazan (Volga Region) Federal University.

**Giruts Maxim Vladimirovich** Doctor of Chemical Sciences Deputy Head of the Department of Organic Chemistry and Petroleum Chemistry, Russian State University of Oil and Gas (NRU) named after I.M. Gubkin;

<b>10:00-10:10</b>	<b>In-person speaker:</b> <b>Styagov Nikolay Nikolaevich</b> UGLTU Yekaterinburg. <b>Presentation topic:</b> Scale Inhibitors
<b>10:10-10:20</b>	<b>In-person speaker:</b> <b>Goryachevsky Alexey Sergeevich</b> NSHPP "Yareganefit" workshop for the preparation and pumping of oil LLC "Lukoil-Komi" Ukhta. <b>Topic:</b> Modified Asbestos Filler as a Loss Prevention Material
<b>10:20-10:30</b>	<b>In-person speaker:</b> <b>Mukhametdinova A.1, Karamov T.1, Bogdanovich N.1, Cheremisin A.1</b> Skolkovo Institute of Science and Technology, Russia, Moscow. <b>Topic of the report:</b> Estimation of the saturation of complex oil source rocks on the example of the Bazhenov deposits

10:30-10:40	<p><b>In-person speaker:</b>  <b>Kazantsev Vladimir Vitalievich</b>  RN-Yuganskneftegaz Russia, Nefteyugansk.  <b>Topic of the report:</b> Technologies for ensuring protection against internal corrosion in high-pressure water conduits</p>
10:40-10:50	<p><b>In-person speaker:</b>  <b>Smolin Dmitry Vasilievich</b>  OOO RN-Yuganskneftegaz Russia, Nefteyugansk.  <b>Topic of the report:</b> Optimization of the fuel combustion process</p>
10:50-11:00	<p><b>In-person speaker:</b>  <b>Yakupov Elmir Failevich, Tomilov Grigory Viktorovich</b>  JSC Samotlorneftegaz Nizhnevartovsk.  <b>Topic of the report:</b> Downhole water-oil separation</p>
11:00-11:10	<p><b>Online speaker:</b>  <b>Loseva Anastasia Vladislavovna</b>  St. Petersburg Mining University, St. Petersburg.  <b>Topic of the report:</b> Development of the composition of the breaker fluid of the biopolymer drilling fluid for the conditions of the fields of Western Siberia</p>
11:10-11:20	<p><b>Online speaker:</b>  <b>Gaffanova Regina Ilshatovna, Mingazov R.R.</b>  FGBOU VO "KNRTU" Kazan.  <b>Topic of the report:</b> Investigation of regularities in the production of polyacrylamide systems for enhanced oil recovery technologies</p>
11:20-11:30	<p><b>Online speaker:</b>  <b>Potochnyak I.R., Grigoriev B.V.</b>  Tyumen Industrial University Russia, Tyumen.  <b>Topic of the report:</b> Methods for performing gas filtration in petrophysical research equipment designed for liquid filtration</p>
11:30-11:40	<p><b>In-person speaker:</b>  <b>Ivanova A.1, Shcherbakova A.1, Markovich S.1, Grishin P.1, Cheremisin A.1, Tokareva E.2, Tkachev I.2, Sansiev G.3, Fedorchenko G.3, Afanasiev I.3</b>  1 Skolkovo Institute of Science and Technology,  2 Research and Development Center of JSC "VNIIneft", JSC "Zarubezhneft"  Russia, Moscow.  <b>Topic:</b> New Highly Efficient Compositions of Surfactants for Enhanced Oil Recovery in Carbonate Reservoirs: Studies of Adsorption Kinetics and Wettability Changes</p>

11:30-11:40	<p><b>Online speaker:</b>  <b>Abdrakhimova Z.T., Mukhamatdinov I.I.</b>  Russia, Kazan (Volga Region) Federal University Russia, Kazan.  <b>Topic of the report:</b> Study of the influence of an oil-soluble catalyst precursor on the in-situ transformation of high-viscosity oil from the Tuimetkinskoye field of the Republic of Tatarstan</p>
11:30-11:40	<p><b>Online speaker:</b>  <b>Belenko E.V.1, Sakharov P.A.2, Khvatov A.V.2, Lukanina Yu.K.2</b>  (1) Russia, MIREA - Russian Technological University. (2) Russia, Federal State Budgetary Institution of Science Institute of Biochemical Physics. M.N. Emanuel of the Russian Academy of Sciences, Russia, Moscow.  <b>Topic of the report:</b> Development of principles for stabilization of suspensions of colloidal bentonite</p>
11:40-11:50	<p><b>In-person speaker:</b>  <b>Askarova A.G., Popov E.Yu., Maerle K., Cheremisin A.N.</b>  Skolkovo Institute of Science and Technology Russia, Moscow.  <b>Topic of the report:</b> Comparative analysis of in situ combustion experiments on a bulk model and on a consolidated core</p>
11:50-12:00	<p><b>In-person speaker:</b>  <b>Dzhariyev Ismail Elshanovich, Petrov E.A., Sysoev S.M.</b>  Budget institution of higher education of the Khanty-Mansiysk Autonomous Okrug - Yugra "Surgut State University" of the Russian Federation, Surgut.  <b>Topic of the report:</b> Accounting for the long-term effect of electromagnetic heating of the oil reservoir on the well flow rate</p>
12:00-13:10	<p><b>Lunch break</b></p>
13:10-13:20	<p><b>Online speaker:</b>  <b>Dormenev V.S.</b>  Russian State University of Oil and Gas (NRU) named after I.M. Gubkina Russia, Moscow.  <b>Topic of the report:</b> Feasibility study of the effectiveness of sidetracking technology in order to optimize the waterflooding system</p>
13:20-13:30	<p><b>Online speaker:</b>  <b>Derevyanko V.K., Bolotov A.V., Minkhanov I.F., Varfolomeev M.A.</b>  Kazan (Privolzhsky) Federal University of the Russian Federation, Kazan.  <b>Topic of the report:</b> Selection of optimal conditions for the generation of synthetic oil from shale rocks</p>

13:30-13:40	<p><b>In-person speaker:</b>  <b>Karpova Daria Sergeevna</b>          LLC "LUKOIL-Western Siberia" Russia, Kogalym.  <b>Presentation topic:</b> Intelligent Well Completion</p>
13:40-13:50	<p><b>In-person speaker:</b>  <b>Koksharov Stanislav Igorevich</b>          LLC "LUKOIL-Western Siberia" Kogalym.  <b>Topic of the report:</b> A set of VIR measures for fields at the IV stage of development</p>
13:50-14:00	<p><b>In-person speaker:</b>  <b>Derendyaev Roman Alekseevich</b>          OOO LUKOIL-PERM Russia, Perm.  <b>Topic of the report:</b> Industrial experience and conditions for the effective use of unsuitable acid treatments of carbonates (on the example of oil fields in the Perm region)</p>
14:00-14:10	<p><b>In-person speaker:</b>  <b>Pituganova A.E.</b>          Kazan (Privolzhsky) Federal University, Russia, Kazan.  <b>Topic of the report:</b> Application of thermal methods for the production of extra-viscous oil in the Oikino-Altuninskoye uplift of the Romashkinskoye field</p>
14:10-14:20	<p><b>Online speaker:</b>  <b>Turabaeva A.V. Tyrabaeva A.V.</b>          PUBLIC JOINT STOCK COMPANY "SURGUTNEFTEGAZ"          Surgut Research and Design Institute "SurgutNI-PIneft"          Center for Geological Support of Surgutneftegaz PJSC Russia, Surgut.  <b>Topic of the report:</b> Analysis of the geological structure of the deposits of the Surgut dome in order to clarify the prospects for the oil-bearing capacity of the YUS2/1 formation and to choose the optimal direction for geological exploration</p>
14:20-14:30	<p><b>In-person speaker:</b>  <b>Shoshin E.L.</b>          Surgut State University of Khanty-Mansi Autonomous Okrug-Yugra.  <b>Topic of the report:</b> Methods of radar monitoring of the state of underwater and underground pipelines and oil spills</p>
14:30-14:40	<p><b>In-person speaker:</b>  <b>Zimin Sergey Olegovich</b>          OOO RN-Yuganskneftegaz Russia, Nefteyugansk.</p>

	<p><b>Topic:</b> Increasing Efficiency and Reducing Costs for Power Supply of Drilling and Artificial Lift Facilities of OOO RN-Yuganskneftegaz</p>
14:40-14:50	<p><b>In-person speaker:</b>  <b>Kondratieva Elizaveta Evgenevna</b>  Yugra State University Khanty-Mansiysk.  <b>Topic of the report:</b> Increasing the level of automation of the oil and gas production process by creating new communication channels</p>
14:50-15:00	<p><b>Online speaker:</b>  <b>Trifonova Olga Nikolaevna</b>  PJSC Surgutneftegaz in the Republic of Sakha (Yakutia)  Russia, Surgut.  <b>Topic of the report:</b> Analysis of the possibility of mapping intrusive bodies on the territory of subsoil plots of PJSC “Surgutneftegas” in the Republic of Sakha (Yakutia)</p>
15:00-15:10	<p><b>Online speaker:</b>  <b>Matsyuk R.A.</b>  Russian State University of Oil and Gas (National Research University) named after I.M. Gubkina Russia, Moscow.  <b>Topic of the report:</b> Improving methods for assessing the geometric characteristics of coarse-grained material for backfilling the base of an underground gas and oil pipeline</p>
15:10-15:20	<p><b>Online speaker:</b>  <b>Nikolaeva M.B.</b>  OOO RN-Uvatneftegaz Russia.  <b>Topic of the report:</b> Optimization of the exploration program in order to accelerate the commissioning of licensed areas on the example of the Uvat project</p>
15:20-15:30	<p><b>Online speaker:</b>  <b>Luzina A.A., Churzhakova D.V.</b>  JSC "TomskNIPIneft" Russia, JSC.  <b>Topic of the report:</b> Optimization of the frequency of geotechnical monitoring during the operation of facilities located in the permafrost zone</p>
15:30-15:40	<p><b>Online speaker:</b>  <b>Novozhilova K.V., Ganeeva R.R.</b>  JSC "SiburTyumenGaz" Russian Federation.  <b>Topic of the report:</b> Options for achieving the maximum production of shflu at the enterprises of STG and pumping from the PZPK</p>



15:30-15:40	<b>Online speaker:</b> <b>Kolosova Nelya Viktorovna, Gasanov Zugum Sagidovich, Korovkina Alina Igorevna</b> Federal state budget educational institution of higher education "Voronezh State Technical University" (VGTU) Russia, Voronezh. <b>Topic report:</b> Digital transformation as a tool for the development of the oil and gas industry»
15:40-15:50	<b>Online speaker:</b> <b>Bormotova Anna Sergeevna</b> OOO RN-Yuganskneftegaz Russia, Nefteyugansk. <b>Topic of the report:</b> Increasing the efficiency of temporary isolation of operating facilities during well interventions for hydraulic fracturing and RIR

**March 23**

**Section 2. "Industrial development: from idea to technology"**

**Moderator:**

**Sevostyanov Mikhail Anatolievich**, Deputy Chairman of SMU RAS, Ph.D. of IMET RAS;

11:00-11:15	<b>In-person speaker:</b> <b>Kodzoev Suleiman Vakhaevich</b> Samotlorneftegaz JSC Russia, Nizhnevartovsk. <b>Presentation topic:</b> New range of pumps
11:15-11:30	<b>In-person speaker:</b> <b>Bakirov D.L., Fattakhov M.M., Mazur G.V., Gritsai G.N., Chaliapin D.V., Melekhov A.V.</b> Branch of OOO LUKOIL-Engineering KogalymNIPIneft in Tyumen Russia, Tyumen. <b>Topic:</b> Results of Machine Learning Application to Improve Fastening Quality
11:30-11:45	<b>Online speaker:</b> <b>Lyokhin Maxim Yurievich</b> OOO Gazprom dobycha Irkutsk Russia, Irkutsk. <b>Topic of the report:</b> Mobile plant for decontamination and disposal of waste Tightness of flange connections - a guarantor of safe production
11:45-12:00	<b>In-person speaker:</b> <b>Vovkodav Kira Vyacheslavovna, Kadzhaeva E.T.</b> Russian State University of Oil and Gas (NRU) named after I.M. Gubkin, Moscow

	<b>Topic of the report:</b> Hybrid energy system of the Arctic region of Russia in the framework of the concept of sustainable development
<b>12:00-12:15</b>	<b>Online speaker:</b> <b>Demko Anatoly Ilyich, Almazova Elena Gennadijevna</b> Surgut State University, Polytechnic Institute of Surgut State University, Surgut. <b>Topic of the report:</b> Mobile control panel for autonomous level gauges
<b>12:15-12:30</b>	<b>Online speaker:</b> <b>Suturin Danila Innokent'evich</b> Irkutsk National Research Technical University Irkutsk. <b>Topic of the report:</b> Modified bitumens for regions of Siberia and the Far East
<b>12:30-12:45</b>	<b>In-person speaker:</b> <b>Protazanov Afanasy Andreevich, Driker B.N., Styagov N.N.</b> Ural State Forest Engineering University Yekaterinburg. <b>Topic of the report:</b> Magnesium and zinc complexonates NTF - corrosion inhibitors
<b>13:00-14:00</b>	<b>Lunch break</b>
<b>17:30-17:45</b>	<b>Online speaker:</b> <b>Sadykov Marat Ildarovich, Blinov P.A., Voronik A.M.</b> St. Petersburg Mining University St. Petersburg. <b>Topic of the report:</b> Rationale for the use of resins to improve the elastic strength properties of cement stone and a comparative assessment with existing technological solutions
<b>17:45-18:00</b>	<b>In-person speaker:</b> <b>Loginov V.A., Alekseev M.M., Semenov O.Yu., Sysoev S.M.</b> BU VO "Surgut State University", RF, Surgut. <b>Topic of the report:</b> Study of vibrational combustion of a propane-air mixture of gases in a confuser channel
<b>18:00-18:15</b>	<b>Online speaker:</b> <b>Krygina A.S., Ivanova M.I., Emelyanycheva E.A.</b> FGBOU VO "KNRTU" Russian Federation, Kazan. <b>Topic of the report:</b> Modification of bituminous binders with oil industry waste

18:15-18:30	<b>Online speaker:</b> <b>Lipatov E.Yu., Babaeva M.A.</b> branch of the Tyumen Industrial University in Nizhnevartovsk, Russia, Nizhnevartovsk. <b>Topic:</b> new generation bridging agent RUBBER MIX
<b>March 24</b>	
<b>Section 2. "Industrial development: from idea to technology"</b>	
<b>Moderator:</b> <b>Sevostyanov Mikhail Anatolievich</b> , Deputy Chairman of SMU RAS, Ph.D. of IMET RAS;	
10:00-10:20	<b>In-person speaker:</b> <b>Brakk Nikita Sergeevich</b> OOO RN-Yuganskneftegaz Russia, Nefteyugansk. <b>topic:</b> " Monocolumn" with soluble plugs
10:20-10:35	<b>Online speaker:</b> <b>Belousova S.V.</b> Tyumen Industrial University, Russia, Nizhnevartovsk. <b>Topic of the report:</b> Choosing the optimal protective coating for the operation of vertical steel tanks for commercial oil
10:35-10:50	<b>In-person speaker:</b> <b>Esipenko Ivan Mikhailovich</b> OOO RN-Yuganskneftegaz, Russia, Nefteyugansk. <b>Topic of the report:</b> Column piping OKGMP 245x178 "Germet"
10:50-11:05	<b>In-person speaker:</b> <b>Chernyshova Ekaterina Konstantinovna, Mamedova Huner Muhandis kyzy</b> OOO RN-Yuganskneftegaz Nefteyugansk. <b>Topic of the report:</b> Application of new technology to improve the quality of the ZhGS
11:05-11:20	<b>In-person speaker:</b> <b>Sizemsky D.Yu.</b> Meretoyakhaneftegaz LLC (subsidiary of Gazprom Neft PJSC) Russia. <b>Topic:</b> Reflectorless Technology in Bulk Materials Inventory
11:20-11:35	<b>Online speaker:</b> <b>Tkacheva Maria Dmitrievna</b> Joint Stock Company "Samotlorneftegaz", Russia. <b>Topic of the report:</b> The procedure for certification of ESF and rescuers by Rosneft's own facility commission
11:35-11:50	<b>In-person speaker:</b> <b>Lastochkin Yury Andreevich</b>

	<p>OOO LUKOIL-PERM Russia, Perm.</p> <p><b>Topic of the report:</b> Intellectualization and digitalization of the work process as a mechanism for improving the labor protection management system</p>
<b>11:50-12:05</b>	<p><b>Online speaker:</b>  <b>Frolova Mariana Gennadievna</b>  IMET RAS, Moscow RF  <b>Presentation topic:</b> Composite SiC/SiC</p>
<b>12:05-12:20</b>	<p><b>Online speaker:</b>  <b>Eremin N.A., Samokhvalov D.E.</b>  Russian State University (NRU) named after I.M. Gubkina Russia .  <b>Topic of the report:</b> Prospects for the use of Internet of things technologies in the development of oil and gas fields of the Arctic shelf of Russia</p>
<b>12:20-12:35</b>	<p><b>Online speaker:</b>  <b>A.M. Zhabagiev, N.V. Filatov,</b>  Kyzylorda University named after Korkyt Ata, Republic of Kazakhstan, Kyzylorda .  <b>Topic of the report:</b> Comparative evaluation of the quality of bearing elements of drilling rigs</p>
<b>12:35-12:50</b>	<p><b>Online speaker:</b>  <b>Kaplan M.A., Sevostyanov M.A.</b>  IMET RAS , Moscow RF  <b>Topic of the report:</b> Obtaining corrosion-resistant steels for industrial use.</p>

### March 23

#### Section 3. “Ecology. Green technologies»

**Moderators:**

**Demin Dmitry Viktorovich**, Ph.D. deputy Chairman of SMU RAS, Deputy Director  
Institute for Fundamental Problems of Biology, Russian Academy of Sciences.

**Matychenkov Vladimir Viktorovich**, Doctor of Biological Sciences ISPB RAS Pushchino;

<b>11:00-11:20</b>	<p><b>Plenary report:</b>  <b>Matychenkov Vladimir Viktorovich</b>  ISPB RAS Pushchino.  <b>Topic of the report:</b> Prospects for the use of silicon preparations for the restoration of degraded and polluted soils in the Far North</p>
<b>11:20-11:35</b>	<p><b>In-person speaker:</b>  <b>Sheudzhen Alexander Shkhamirzovich</b></p>

	<p>Lukoil-Engineering Russia, Tyumen.</p> <p><b>Topic of the report:</b> The use of petromagnetic and geochemical indicators to assess the geoecological state of soils in urban areas (Kogalym city, Khanty-Mansiysk Autonomous Okrug)</p>
<b>11:35-11:50</b>	<p><b>Online speaker:</b>  <b>Nosova Maria Vladimirovna</b>  Tomsk State University/JSC "TomskNIPIneft" Russia, Tomsk.  <b>Topic of the report:</b> Development of methods for reclamation of technogenically saline soils in Western Siberia</p>
<b>11:50-12:05</b>	<p><b>In-person speaker:</b>  <b>Mukhametshina Elvina Rauilovna</b>  Branch of the Tyumen Industrial University in Nizhnevartovsk, Russia, Nizhnevartovsk.  <b>Topic of the report:</b> Innovative methods of certification and systematization of oil-contaminated areas</p>
<b>12:05-12:20</b>	<p><b>Online speaker:</b>  <b>Suchkov Denis Vyacheslavovich</b>  St. Petersburg Mining University St. Petersburg.  <b>Topic of the report:</b> The use of waste from the mineral resource complex to obtain products with desired properties</p>
<b>12:20-12:35</b>	<p><b>In-person speaker:</b>  <b>Kienyego Manasse Sage</b>  Russian State University of Oil and Gas named after I.M. Gubkin D.R. Congo, Moscow.  <b>Topic of the report:</b> Making paving stones from plastic waste, solving urgent environmental problems in developing countries</p>
<b>12:35-12:50</b>	<p><b>In-person speaker:</b>  <b>Mirzaev Jaloliddin Muzaffarovich</b>  Gubkin Russian State University of Oil and Gas Moscow.  <b>Topic of the report:</b> Environmental aspects of the transition to LNG as a gas engine fuel in Uzbekistan</p>
<b>13:00-14:00</b>	<b>Lunch break</b>
<b>17:30-17:45</b>	<p><b>In-person speaker:</b>  <b>Puchkov Andrey Viktorovich</b>  FGBUN FITSKIA UB RAS Arkhangelsk.  <b>Topic of the report:</b> Radon and permafrost: the results of the first studies and the prospects for assessing the radon hazard in the Arctic territories</p>



	<p><b>Topic:</b> Reducing Greenhouse Gas Emissions to Achieve Carbon Neutrality by Rosneft through Ecosystem Approach and Carbon Negative Measures</p>
10:50-11:05	<p><b>In-person speaker:</b>  <b>Ivashchenkova Maria Evgenievna, Safin Dinara Grigorievna</b>  FGBOU VO "Tyumen Industrial University",  branch in Nizhnevartovsk Russia, Nizhnevartovsk.  <b>Topic:</b> Spiral phytoplankton hatchery  plant for absorbing CO and CO2 emissions</p>
11:05-11:20	<p><b>In-person speaker:</b>  <b>Shimul Abu Naim</b>  Russian State University of Oil and Gas I.M. Gubkin Moscow.  <b>Topic:</b> Assessing the Impact of Gas Field Emissions  Chhatak-2 (tenkratila) on the vegetation cover of the surrounding area</p>
11:20-11:35	<p><b>Online speaker:</b>  <b>Gandaloev Ilyas Dalambekovich</b>  JSC "Samotlorneftegaz" Nizhnevartovsk.  <b>Topic of the report:</b> Scientific approach to the protection of nature - the introduction  of an innovative set of devices for detecting and evaluating methane leaks</p>
11:35-11:50	<p><b>In-person speaker:</b>  <b>Francisco Javier Esono Onguene Esono Onguene Francisco Javier</b>  RUDN Equatorial Guinea.  <b>Topic:</b> Reducing Greenhouse Gas Emissions Using CO2 Capture and Use  Technology</p>
11:50-12:05	<p><b>Online speaker:</b>  <b>Kanaeva Ekaterina Andreevna, Korenev Denis Aleksandrovich</b>  Samotlorneftegaz JSC Russia, Nizhnevartovsk.  <b>Topic of the report:</b> Scientific approach to nature protection - implementation of an  innovative set of devices for detecting and evaluating methane leaks</p>
12:05-12:20	<p><b>In-person speaker:</b>  <b>Fetisov Vadim Georgievich</b>  St. Petersburg Mining University Russia, St. Petersburg.  <b>Topic of the report:</b> Technology for integrating a system for capturing volatile  organic compounds, as well as CO2 during processing, transport and storage of  hydrocarbon raw materials</p>
12:30-14:00	<p><b>Lunch break</b></p>
14:00-14:15	<p><b>Online speaker:</b>  <b>Hashim M. W.</b>  Russian State University of Oil and Gas named after I.M.  Gubkin, Russia, Moscow.  <b>Topic of the report:</b> Environmental aspects of oil hydraulic fracturing</p>
14:15-14:30	<p><b>In-person speaker:</b>  <b>Semenyuk P.R., Gogoleva O.V.</b>  Yugra State University Russia, Khanty-Mansiysk.</p>

	<b>Topic:</b> Strategy for the processing of industrial waste polyolefins in the Northern Territories
<b>14:15-14:30</b>	<b>Online speaker:</b> <b>Rybin Alexander Sergeevich</b> TPU Tomsk. <b>Topic of the report:</b> The use of building materials from solid waste of sublimate production of JSC "SGChE" in the oil and gas industry
<b>14:30-14:45</b>	<b>Online speaker:</b> <b>Bocharnikova E.A., Matychenkov V.V.</b> Institute for Fundamental Problems of Biology RAS (IFPB RAS), Pushchino. <b>Topic of the report:</b> The use of silicon-containing industrial waste for cleaning soils contaminated with oil products
<b>14:30-14:45</b>	<b>Online speaker:</b> <b>Aladin D.Yu., Sevostyanov S.M., Demin D.V.</b> ISPB RAS Pushchino. <b>Topic:</b> Food Waste Composting in the Far North
<b>14:45-15:00</b>	<b>Online speaker:</b> <b>Sevostyanov S.M.<sup>1</sup>, Demin D.V.<sup>1</sup>, Aladin D.Yu.<sup>1</sup>, Son B.K<sup>1</sup>., Nechaev I.A.<sup>2</sup>, Ivanov A.S.<sup>2</sup></b>  <sup>1</sup> Institute for Fundamental Problems of Biology RAS (IFPB RAS) Pushchino RF, <sup>2</sup> OOO Geotekhproekt. <b>Topic of the report:</b> Obtaining and evaluating the suitability of lignin sludge waste after solid-phase fermentation for creating soil-fertile mixtures.
<b>15:00-15:15</b>	<b>Online speaker:</b> <b>Deeva N.F., Sevostyanov S.M., Demin D.V., Aladin D.Yu.</b> Institute for Fundamental Problems of Biology RAS (IFPB RAS) Pushchino, RF. <b>Topic of the report:</b> Phytoremediation as a method of post-purification of soils from polychlorinated biphenyls.
<b>15:15-15:30</b>	<b>Online speaker:</b> <b>Glinushkina T.A., Sevostyanov S.M., Demin D.V., Deeva N.F.</b> Institute of Fundamental Problems of Biology RAS ISPB RAS Pushchino, RF <b>Topic of the report:</b> Influence of the use of a new growth regulator on the formation of elements of the vegetative system of plants when grown by the hydroponic method.