

# Symposium Agenda on 23 January 2024

## Panel 1

(14:00-19:30 Beijing time)

14:00- 14:10 (Beijing) 9:00-9:10 (Moscow)	<b>Opening Ceremony</b>	<b>Iurii Dubinov:</b> Gubkin University
		<b>YU Jixian:</b> China University of Petroleum (East China )
	<b>Moderator</b>	<b>Viktoriya Fedorova:</b> Gubkin University
		<b>CUI Xiaolei:</b> China University of Petroleum (East China )
14:10- 14:20 (Beijing) 9:10-9:20 (Moscow)	Topic	<b>Research on the Effect of Amide Additives in Hydrogel Electrolytes on the Performance of Zinc-ion Battery</b>
	Speaker	<b>YANG Xiaohan:</b> School of Chemical Engineering and Technology, Tianjin University, Master's student
14:20- 14:30 (Beijing) 9:20-9:30 (Moscow)	Topic	<b>Nuclear energy in the light of sustainable development of the Russian Federation: prospects and innovations</b>
	Speaker	<b>Appalup Vladimir, Keller D.:</b> Gubkin University
14 : 30- 14:40 (Beijing) 9:30-9:40 (Moscow)	Topic	<b>Ethylene Glydol Regeneration Energy Conservation Simulation Optimization in Natural Gas Treatment Process</b>
	Speaker	<b>WANG Haiping:</b> College of Chemistry and Chemical Engineering, China University of Petroleum (East China), PhD student

14:40- 14:50 (Beijing) 9:40-9:50 (Moscow)	Topic	<b>Actual and planned volume of commissioning of wind power plants, solar power plants, small hydroelectric powerplants by constituent entities of the Russian Federation</b>
	Speaker	<b>Anna Dulchenko:</b> Gubkin University, PhD student
14:50- 15:00 (Beijing) 9:50- 10:00 (Moscow)	Topic	<b>Chiral-Selective Catalysis in DOPA Oxidation by Hemin-Peptide Co-assembled Artificial Peroxidases</b>
	Speaker	<b>LAI Shike:</b> College of Chemistry and Chemical Engineering, China University of Petroleum (East China), PhD student
15:00- 15:10 (Beijing) 10:00- 10:10 (Moscow)	Topic	<b>River otter (<i>Lutra lutra</i> L., 1758) in the north of its range (North-East Asia) and risks associated with the development of the mining industry</b>
	Speaker	<b>Nadezhda Zakharova, Kolodeznikov V., Zakharov E.:</b> North-Eastern Federal University named after. M.K. Ammosova, PhD student
15:10- 15:20 (Beijing) 10:10- 10:20 (Moscow)	Topic	<b>MOF-membranes Modified by Ionic Liquid for Efficient Carbon Capture</b>
	Speaker	<b>CUI Xiaolei:</b> College of Chemistry and Chemical Engineering, China University of Petroleum (East China), PhD student
15:20- 15:30 (Beijing) 10:20- 10:30 (Moscow)	Topic	<b>AI in smart grid systems as an improvement of the environmental impact of the energy industry</b>
	Speaker	<b>Artem Ismailov:</b> Gubkin University
15.30- 15.40 (Beijing) 10:30- 10:40 (Moscow)	Topic	<b>Preparation of Metal-zeolite Catalysts and the Performance in CO<sub>2</sub> Hydrogenation for Methanol Synthesis</b>
	Speaker	<b>MENG Xianglong:</b> College of Chemistry and Chemical Engineering, China University of Petroleum (East China), PhD student

15:40- 15:50 (Beijing)	Topic	<b>Digitalization in downstream</b>
10:40- 10:50 (Moscow)	Speaker	<b>Angelina Makovskaia:</b> Gubkin University, student
15:50- 16:00 (Beijing)	Topic	<b>Construction and Application of Tyrosine-Containing Short Peptide Self-Assembling Materials</b>
10:50- 11:00 (Moscow)	Speaker	<b>WANG Chen:</b> College of Chemistry and Chemical Engineering, China University of Petroleum (East China), PhD student
16:00- 17:00 (Beijing) 11:00- 12:00 (Moscow)	<b>Break</b>	
17:00- 17:10 (Beijing)	Topic	<b>Integral Assessment of the Environmental Friendliness of Technological Processes in Metalworking</b>
12:00- 12:10 (Moscow)	Speaker	<b>Iana Nevmerzhitskaia:</b> Stankin -Moscow, Master's student
17:10- 17:20 (Beijing)	Topic	<b>Utilization of MoNi-based Hollow Nanorods for Energy-efficient Hydrogen Production via Hydrazine-assisted Seawater Electrolysis</b>
12:10- 12:20 (Moscow)	Speaker	<b>GUO Lili:</b> College of Chemistry and Chemical Engineering, China University of Petroleum (East China), PhD student
17:20- 17:30 (Beijing)	Topic	<b>Issues of import substitution of non-aqueous drilling fluids and the development of ecotoxicological requirements for them for offshore drilling</b>
12:20- 12:30 (Moscow)	Speaker	<b>Alina Akhunova-Kapustina:</b> Gubkin University, PhD student

17:30- 17:40 (Beijing) 12:30- 12:40 (Moscow)	Topic	<b>Study on the Effect of Pore Pressure and Formation Stress on Oil and Gas Production Characteristics of Underground in-situ Pyrolysis of Tar-rich Coal</b>
	Speaker	<b>YU Zunyi:</b> School of Chemical Engineering and Technology, Xi'an Jiaotong University, PhD student
17:40- 17:50 (Beijing) 12:40- 12:50 (Moscow)	Topic	<b>Reduction of greenhouse gas emissions at gas pipeline's facilities through the use of renewable energy sources</b>
	Speaker	<b>Roman Fomin:</b> Gubkin University, student
17:50- 18:00 (Beijing) 12:50- 13:00 (Moscow)	Topic	<b>Modulation of Metal-support Interaction for Propene Epoxidation with H<sub>2</sub> and O<sub>2</sub> on Ni-Ti Bifunctional Catalyst</b>
	Speaker	<b>YIN Defu:</b> College of Chemistry and Chemical Engineering, China University of Petroleum (East China), PhD student
18:00- 18:10 (Beijing) 13:00- 13:10 (Moscow)	Topic	<b>The use of the NDVI index to study the state of vegetation cover on the territory of petrochemical enterprises in Kstovo</b>
	Speaker	<b>Eva Spitsyna:</b> Gubkin University, Master's student
18:10- 18:20 (Beijing) 13:10- 13:20 (Moscow)	Topic	<b>Recovery of Silver in Spent Al<sub>2</sub>O<sub>3</sub>-based Catalyst by Ultrasonic-assisted</b>
	Speaker	<b>SHEN Chang:</b> School of Chemical Equipment, Shenyang University of Technology, Master's student

18:20- 18:30 (Beijing) 13:20- 13:30 (Moscow)	Topic	<b>Methods of monitoring the environmental situation in the region of oil and gas projects</b>
	Speaker	<b>Mironova M.:</b> Gubkin University, student
18:30- 18:40 (Beijing) 13:30- 13:40 (Moscow)	Topic	<b>Research on the Application of Periphyton Composite Carrier in the Improvement of Gleyized Paddy Field Under the Dual Carbon Target</b>
	Speaker	<b>WANG Qiuyu:</b> School of Chemical Equipment, Shenyang University of Technology, Master's student
18:40- 18:50 (Beijing) 13:40- 13:50 (Moscow)	Topic	<b>Modern methods of reducing greenhouse gas emissions into the atmosphere during the operation of oil and gas production facilities</b>
	Speaker	<b>Eliseeva E., Ismailova A.:</b> Gubkin University
18:50- 19:00 (Beijing) 13:50- 14:00 (Moscow)	Topic	<b>Fast Pyrolysis of Pulverized Tar-rich Coal in Northern Shaanxi Province: Product Distribution and Kinetic Analysis</b>
	Speaker	<b>GUO Wei:</b> School of Chemical Engineering and Technology, Xi'an Jiaotong University, PhD student
19:00- 19:10 (Beijing) 14:00- 14:10 (Moscow)	Topic	<b>Development of a methodology for calculating oil and petroleum product spills for underground storage systems when developing plans for the prevention and elimination of oil and petroleum product spills at oil and gas facilities</b>
	Speaker	<b>Sorvikhina A., Propisnova M.:</b> Gubkin University
19:10- 19:20 (Beijing) 14:20- 14:30 (Moscow)	<b>Conclusion:</b> Viktoriya Fedorova, Gubkin University	

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## Panel 2 (14:10-19:30 Beijing time)

	<b>Moderator</b>	Viktoriya Fedorova: Gubkin University XU Zewen: China University of Petroleum (East China)
14:10- 14:20 (Beijing) 9:10-9:20 (Moscow)	<b>Topic</b>	<b>Simulation of Tar-rich Coal Pyrolysis with Modified Network Kinetic Model for High-value Products and Low Carbon Emissions</b>
	<b>Speaker</b>	<b>YANG Panxi:</b> School of Chemical Engineering and Technology, Xi'an Jiaotong University, PhD student
14:20- 14:30 (Beijing) 9:20-9:30 (Moscow)	<b>Topic</b>	<b>Deep reinforcement learning for energy management system at solar-based microgrid</b>
	<b>Speaker</b>	<b>V. Zubakin, A. Velichko, M. Tregubenko:</b> Gubkin University
14:30- 14:40 (Beijing) 9:30-9:40 (Moscow)	<b>Topic</b>	<b>PIM-1 Membrane Prepared by In-situ Plasma Treatment for Carbon Capture</b>
	<b>Speaker</b>	<b>XU Zewen:</b> College of Chemistry and Chemical Engineering, China University of Petroleum (East China), PhD student
14:40- 14:50 (Beijing) 9:40-9:50 (Moscow)	<b>Topic</b>	<b>The Dark Side of low-carbon hydrogen</b>
	<b>Speaker</b>	<b>Victoria Yanenkova:</b> Gubkin University, student

14:50- 15:00 (Beijing) 9:50- 10:00 (Moscow)	Topic	<b>Waste Heat Recovery of Blast Furnace Slag in Moving Bed: Influencing of Structural Parameters and Operating Parameters</b>
	Speaker	<b>MA Guangju:</b> School of Chemical Engineering and Technology, Xi'an Jiaotong University, PhD student
15:00- 15:10 (Beijing) 10:00- 10:10 (Moscow)	Topic	<b>BRICS in the global climate agenda</b>
	Speaker	<b>Albina Yuldashova:</b> Gubkin University, student
15:10- 15:20 (Beijing) 10:10- 10:20 (Moscow)	Topic	<b>The International Experience and Practical Reference of Carbon Emission Trading Market</b>
	Speaker	<b>LU Yanhang:</b> School of Humanities and Law, Yanshan University, Master's student
15:20- 15:30 (Beijing) 10:20- 10:30 (Moscow)	Topic	<b>Comparison of environmental strategies of Chinese and Russian and major oil and gas companies</b>
	Speaker	<b>Daria Nurieva:</b> Gubkin University, student
15:30- 15:40 (Beijing) 10:30- 10:40 (Moscow)	Topic	<b>Research on Legal System of CCUS Technology in China</b>
	Speaker	<b>ZHANG Zile:</b> School of Humanities and Law, China University of Petroleum (East China), PhD student
15:40- 15:50 (Beijing) 10:40- 10:50 (Moscow)	Topic	<b>Creation of carbon landfills: environmental and legal aspects</b>
	Speaker	<b>Alisa Shamalo, Yakubova G.:</b> Gubkin University

15:50- 16:00 (Beijing) 10:50- 11:00 (Moscow)	Topic	<b>A Study on Green Consumption Choices Among Different Income Families: A Behavioral Economics Perspective</b>
	Speaker	<b>FENG Yiwei:</b> School of Humanities and Law, Yanshan University, PhD student
16:00- 17:00 (Beijing) 11:00- 12:00 (Moscow)	<b>Break</b>	
17:00- 17:10 (Beijing) 12:00- 12:10 (Moscow)	Topic	<b>International legal issues of environmental protection during subsurface use in the Caspian sea</b>
	Speaker	<b>Vlasova V., Norkina P.:</b> Gubkin University
17:10- 17:20 (Beijing) 12:10- 12:20 (Moscow)	Topic	<b>Environmental Protection Interview, Government-Enterprise Collusion and Anti-stickiness of Enterprise Environmental Protection Expenses</b>
	Speaker	<b>WANG Hui:</b> School of Economics and Management, China University of Petroleum (East China), Master's student
17:20- 17:30 (Beijing) 12:20- 12:30 (Moscow)	Topic	<b>Assessment of geoecological risks along the right of way of the Trans-Sakhalin pipeline system (on the example of the Makarovsky district)</b>
	Speaker	<b>Anfisa Kharybina, Vorotyntsev K., Yumasheva A., Bereznyakov A.:</b> Gubkin University
17:30- 17:40 (Beijing) 12:30- 12:40 (Moscow)	Topic	<b>The Driver of Pollution Control in China's Supply Chain: Customer Relationship and Suppliers' Environmental Protection Investment</b>
	Speaker	<b>HOU Jiarui:</b> School of Economics and Management, China University of Petroleum (East China), Master's student
17:40- 17:50 (Beijing) 12:40- 12:50 (Moscow)	Topic	<b>Enhancing city environmental strategies through efficient waste management</b>
	Speaker	<b>Anton Izykenov:</b> Irkutsk National Research Technical University – Baikal School of BRICS, student



17:50- 18:00 (Beijing) 12:50- 13:00 (Moscow)	Topic	<b>Research on China's Energy-Consuming Right Trading System under the Perspective of Collaborative Governance of Pollution Reduction and Carbon Reduction.</b>
	Speaker	<b>XUE Zhiyi:</b> School of Humanities and Law, China University of Petroleum (East China), Master's student
18:00- 18:10 (Beijing) 13:00- 13:10 (Moscow)	Topic	<b>Application of mechanisms for zeroing greenhouse gases in the Sakhalin region</b>
	Speaker	<b>Polina Semyantseva:</b> Gubkin University, student
18:10- 18:20 (Beijing) 13:10- 13:20 (Moscow)	Topic	<b>Energy Rights Trading System in the Process of Chinese Factor Marketization: Historical Evolution, Academic Debates, Future Prospects</b>
	Speaker	<b>JIA Mingchao:</b> School of Humanities and Law, China University of Petroleum (East China), PhD student
18:20- 18:30 (Beijing) 13:20- 13:30 (Moscow)	Topic	<b>Russian-Chinese cooperation in the sphere of ecology</b>
	Speaker	<b>Svetlana Davletyarova:</b> Gubkin University, student
18:30- 18:40 (Beijing) 13:30- 13:40 (Moscow)	Topic	<b>On the Right to Use Energy from the Perspective of Hohfeldian Theory of Legal Relationship</b>
	Speaker	<b>SHANG Yujiao:</b> School of Humanities and Law, China University of Petroleum (East China), Master's student
18:40- 18:50 (Beijing) 13:40- 13:50 (Moscow)	Topic	<b>Xi Jinping's concept of "Green Mountains and Emerald Waters - Priceless Treasures" as a tool in building an ecocivilized and highly developed nation</b>
	Speaker	<b>Maria Levchenko:</b> Gubkin University, Master's student

18:50- 19:00 (Beijing) 13:50- 14:00 (Moscow)	Topic	<b>Law Guarantee of Collaborative Governance of Pollution Reduction and Carbon Reduction for the ‘Dual Carbon’ Goals: an Analytical Perspective of Structural Functionalism</b>
	Speaker	<b>WANG Mengke:</b> School of Humanities and Law, China University of Petroleum (East China), PhD student
19:00- 19:10 (Beijing) 14:00- 14:10 (Moscow)	Topic	<b>Transnational Carbon Capture and Storage project in the Asia-Pacific region</b>
	Speaker	<b>Zainulin Stepan, Storozheva A.:</b> Gubkin University
19:10- 19:20 (Beijing) 14:10- 14:20 (Moscow)	Topic	<b>Trends And Dynamics Of Transformations Of The Energy Complex Of The Asia-Pacific Region Under The Conditions Of Green Economy</b>
	Speaker	<b>Ganin E.A.:</b> Gubkin University, student
19:20- 19:30 (Beijing) 14:10- 14:20 (Moscow)	<b>Conclusion:</b> XU Zewen, China University of Petroleum (East China)	