

**Panel discussion program “North for work and life”
as part of the WWCAM -2019 (World Winter Cities Association for Mayors) Working Meeting,
Norilsk**

Date: November 16, 2019

Location: Norilsk State Industrial Institute, Norilsk, 50 let Octobrya st., 7

Assembly Hall (3rd floor), room 315,

rooms: 203, 319, 332, 322

Event Partner: Norilsk Development Agency

November 16		
8.30	Group gathering at Norilsk State Industrial Institute for an excursion tour	
8.45	Transfer departure for an excursion from Norilsk State Industrial Institute	
09.00	09.50 Excursion show-room «Sulfur project»	
9.50	10.20 Arrival, registration of participants	
10.20	10.35 Coffee break, room 316	
10.35	11.00 Opening. Assembly Hall, room 315, 3rd floor Moderator: Mamukaev Nikolay	
	Welcome address: Dubrov Dmitry Vladimirovich, Rector of Norilsk State Industrial Institute	
	Welcome address: Mironov Maxim Nikolaevich, Director of the Norilsk Development Agency	
	Welcome address: representative of the Sapporo Administration, Japan	
	Welcome address: Lomaeva Marina Viktorovna, Coordinator for cooperation with universities, authorities and enterprises of the Hokkaido University international department, Japan	
11.00	13.00 Panel discussions	
№1	Information systems and technologies. Big Data. The introduction of IT in production processes.	
ауд.203	Moderator: Petukhov Mikhail Vadimovich , Candidate of Economical Sciences, Lecturer of the Economics, Management and Organization of Production Department, Head of the Information Systems and Technologies Department of the Norilsk State Industrial Institute	
Participants		Issues
11.00	Petukhov Mikhail Vadimovich , Candidate of Economical Sciences, Lecturer of the Economics, Management and Organization of Production Department, Head of the Information Systems and Technologies Department of the Norilsk State Industrial Institute	Problems of Big Data Analysis
11.15	Timofeev Vladimir Semenovich , the Dean of the Faculty of Applied Mathematics, Novosibirsk State Technical University, Doctor of Technical Sciences, Professor of the Theoretical and Applied Informatics Department, Novosibirsk	Modern methods of statistical data analysis
11.30	Faddeenkov Andrey Vladimirovich , Candidate of Technical Sciences, Associate Professor of the Theoretical and Applied Informatics Department, Novosibirsk State Technical University, Novosibirsk	Place and role of methods experiment planning for data analysis
11.45	Krutsenyuk Kira Yuryevna , associate professor of the Information Systems and Technologies Department	Problems of Big Data Analysis
12.00	But Vladislav Vladimirovich , Software engineer of the automated control systems department, Mining and Metallurgical Company «Nornickel»	Big Data Usage Analysis Issues in Mining and Metallurgical Company «Nornickel»
12.10	Dobrovolsky Evgeny Sergeevich , Software engineer of the automated control systems department, Mining and Metallurgical Company «Nornickel»	Проблемы анализа использования Big Data в ПАО «ГМК «Норильский никель» Big Data Usage Analysis Issues in Mining and Metallurgical Company «Nornickel»
12.20	Tsukanov Gleb Konstantinovich , Head of the Automation Control Systems Department, city Hospital №2, Norilsk	Big Data Usage Analysis Issues

12.30	Akantiev Dmitry Alexandrovich , Head of Information Technology Department, Mining and Metallurgical Company «Nornickel»	Big Data
12.45-13.00	Summarizing speakers' experiences and conclusions Closing Panel Discussion	
№2	Construction in regions with a cold climate, in permafrost. Smart City (energy efficient systems)	
ауд. 319	Moderators: Petukhova Zhanna Gennadiyevna , Doctor of Economics, professor of the Economics, Management and Organization of Production Department, Director of the Arctic Permafrost Research Center of the Norilsk State Industrial Institute; Ylesin Mikhail Anatolievich , Candidate of Technical Sciences, Head of the Construction, Heat and Gas Supply Department	
Participants		Issues
11.00	Petukhova Zhanna Gennadiyevna , Doctor of Economics, professor of the Economics, Management and Organization of Production Department, Director of the Arctic Permafrost Research Center of the Norilsk State Industrial Institute	Results and Prospects of Working Arctic Permafrost Research Center
11.10	Mori Taro , associate professor, Department of Engineering and Technology, Hokkaido University (Specialist in Infrastructure and Construction in Cold Climate Regions), Japan	The impact of energy-efficient construction to the regional development (in winter city)
11.30	Naberezhny Artem Dmitrievich , Head of the Engineering Geocryology Laboratory, Institute of Permafrost, Siberian Branch of the Russian Academy of Sciences, Associate Professor of the Industrial and Civil Engineering Department, Institute of Engineering and Technology, North-East Federal University, Yakutsk	Problems of construction and maintenance of buildings and constructions structures in the geocryological conditions of Yakutia
11.50	Silin Denis Sergeevich , power engineer of the Chief Power Engineer Department at «Mayak» Mine, Mining and Metallurgical Company «Nornickel»	Using of modern tools and systems for control and increase the survivability of the city engineering infrastructure
12.05 remote installation performance	Filimonov Mikhail Yuryevich , Doctor of Physical and Mathematical Sciences, professor of the Controlled Systems Department, Ural Federal University, Yekaterinburg Vaganova Natalia Anatolyevna , Candidate of Physical and Mathematical Sciences of the Applied Problems Department, Institute of Mathematics and Mechanics, Ural Branch of the Russian Academy of Sciences, Yekaterinburg	Simulation of thermal effects of engineering objects and climate changes on the permafrost boundaries
12.25 remote installation performance	Kruglikov Sergey Vladimirovich , Candidate of Physical and Mathematical Sciences, Associate Professor, Head of the Controlled Systems Modeling Department, Head of the Applied Systems Research Laboratory, Institute of Economics and Management, Ural Federal University, Yekaterinburg	Energy-efficient control system forming for “smart cities” in the Russian Arctic by optimizing energy supply and electric heating of urban settlements
12.45	Gubina Natalya Anatolyevna , Candidate of Technical Sciences, associate professor of the Construction, Heat and Gas Supply Department	«Smart City»
14.30 remote installation performance	Iida Rugen , executive director «North Plan», Japan	Installation of wind and snow protection structures (implementation of projects in the Sakhalin region)
№3	Socio-economic problems of the North development. Logistics, maintenance and development of infrastructure. Problems of the indigenous peoples of Taimyr	
ауд.332	Moderator: Otsuka Natsuhiko , Professor, Center of the Arctic Studies, Hokkaido University (Northern Sea Route Logistics, Port Infrastructure), Japan	
Participants		Issues

11.00 remote installation performance	Voronenko Alexander Leonidovich , Head of the Research Sector of the Shanghai Cooperation Organization Research Center and the Asia-Pacific Region, Khabarovsk State University of Economics and Law, Khabarovsk	Prospects for the interaction of Russian and American northern regions in the socio-economic sphere
11.15	Prisyazhny Mikhail Yuryevich , First Deputy Minister of Education and Science of the Sakha Republic, Doctor of Geographical Sciences, Head of the Northern Studies Department, North-East Federal University, Yakutsk	Integrated research and activities of the Scientific and Educational Center for the Development of the Arctic and Subarctic «North»
11.30	Sotnikova Elena Petrovna , Head of the Indigenous Minorities Office of Taimyr and Agricultural and Fisheries Issues, Dudinka	Problems of the indigenous peoples of Taimyr
11.45 remote installation performance	Gayman Jeffrey , Hokkaido University Graduate School of Education Hokkaido University Research Faculty of Media and Communication Hokkaido University	Challenges and Issues of a Collaborative Program of Research and Education with the Ainu People of Japan
12.00	Sizonenko Sergey Anatolyevich , Deputy of the Taimyr Deputies Council, Dudinka	Problems of the Northern Sea Route and freight transportation
12.15	Otsuka Natsuhiko , Professor, Center of Arctic Studies, Hokkaido University (Northern Sea Route Logistics, Port Infrastructure), Japan	Transformation of the logistics network in the Far North
12.30	Kiselev Sergey Vasilievich , Deputy Head of the Technological Railway Transport Enterprise, Mining and Metallurgical Company «Nornickel»	Logistics and cargo transportation issues in the Far North
12.40	Shebalkov Dmitry Alekseevich , Head of the Storage of Funds Department of the Norilsk Museum	Snow fighting and snow protection of Mikhail Potapov: from the experience of creating snow retention and snow transfer shields
12.50	Kolesnikov Timur Nikolaevich , Head of the Department of Roads and Snow fighting, motor transport association «TsATK», Mining and Metallurgical Company «Nornickel»	Snow fighting in the Far North
14.30 remote installation performance	Iida Rugen , executive director «North Plan», Japan	Installation of wind and snow protection structures (implementation of projects in the Sakhalin region)
№4	Long-term monitoring of the environment state in the Norilsk industrial region and adjacent territories. Efficient nature management, ecology	
ауд.322	Moderator: Tutubalina Olga Valerievna , Candidate of Geographical Sciences, Leading Researcher of Aerospace Methods Laboratory, Department of Cartography and Geoinformatics, Faculty of Geography, Moscow State University of Lomonosov, Moscow	
Partisipants		Issues
11.00	Tutubalina Olga Valerievna , Candidate of Geographical Sciences, Leading Researcher of Aerospace Methods Laboratory, Department of Cartography and Geoinformatics, Faculty of Geography, Moscow State University of Lomonosov, Moscow	Multiplatform monitoring of northern ecosystems in Russia
11.20 remote installation performance	Ram Avtar , Professor, Department of Environmental Sciences, Hokkaido University, Japan	InSAR analysis of Thermokarst Siberian Permafrost region
11.40	Bondar Mikhail Gennadievich , head of the scientific department of the Joint Directorate of Taimyr Nature Reserves, Norilsk	The results of environmental studies of copper-nickel ores perspective deposits in the central part of the Norilsk industrial region
11.55	Karmanovskaya Natalia Vladimirovna , Candidate of Technical Sciences, associate professor of the Metallurgy of Non-Ferrous Metals department, Acting of post-graduate Studies and Scientific Research Department, Norilsk State Industrial Institute	Monitoring of water bodies of the Norilsk industrial region
	Nosova Olga Vasilievna , Candidate of agricultural sciences, associate professor, head of the	

		Metallurgy of Non-Ferrous Metals department, Norilsk State Industrial Institute	
		Galishevskaya Victoria Viktorovna, Candidate of Technical Sciences, associate professor of the Metallurgy of Non-Ferrous Metals department, Norilsk State Industrial Institute	
12.15		Sariev Abibulla Khanbievich , candidate of agricultural sciences, senior researcher, Head of the biological reclamation Department, Research Institute of Agricultural and Ecology of the Arctic	Soils of the North: Present and Future
12.30		Kaiser Andrei Aleksandrovich , Doctor of Agricultural Sciences, Head of the Natural Resources Department, Research Institute of Agricultural and Ecology of the Arctic	Rational using of biological raw materials of reindeer and wild plants
12.45 remote installation performance		Malygina Natalya Vladimirovna , Candidate of Biological Sciences, Senior Researcher of the Applied Systems Research Laboratory, School of Management and Interdisciplinary Studies, Ural Federal University, Yekaterinburg	Digital technologies for the protection and development of wild reindeer populations of the Yamal-Taimyr transect of the Russian Arctic in the framework of effective non-depleting nature management
13.00	14.00	Lunch in the dining room of the Institute Norilsk State Industrial Institute	
14.00	14.30	University tour	
14.30	15.30	Continuation of the panel discussions	
15.30	16.00	Closing Panel Discussions Moderators: Summarizing speakers' experiences and conclusions	
		Closing speech: Dubrov Dmitry Vladimirovich, Rector of the Norilsk State Industrial Institute	
		Closing speech: Mironov Maxim Nikolaevich, Director of the Norilsk Development Agency	
16.00	16.30	Moving participants to the Palace of Culture, Leninsky Prospekt, 9 to participate in a talk show	
16.30	19.00	Talk show "How to make life in a winter city more comfortable"	