


University	National University of Science and Technology MISIS
English proficiency	B2
Postgraduate program	05.06.01 Geosciences and related environmental sciences
List of research projects	<p>Development of geometallurgical, resource models of mineral deposits.</p> <p>Development of lithological models of rock massifs.</p> <p>Creation of hydrogeological models of territories where open pit mining is carried out.</p> <p>Quality management of mineral raw materials, batch preparation in the development of deposits of iron, gold and other ore minerals</p>
List of possible research topics	<p>3D modeling of deposits;</p> <p>quality management of mineral raw materials;</p> <p>geological support for open-pit coal mining at great depths;</p> <p>geological support for the development of technogenic mineral raw materials;</p> <p>research and processing of mining waste;</p> <p>engineering-geological and hydro-geological support of mining operations;</p> <p>development of systems for integrated monitoring of the state of slope structures</p>
 <p>Research supervisor: Vasilii V. Cheskidov, PhD (NUST MISIS, 2012)</p>	Natural and exact sciences 1.05. Geosciences and related environmental sciences, Geology
	<p>Supervisor's research interests</p> <p>geological and economic assessment of deposits, management and optimization of ore flows (mine to mill optimization), geometallurgy, modeling of geological objects and processes, evaluation of projects of mining enterprises, processing and interpretation of geological data, engineering-geological and hydrogeological support of mining operations, research of technogenic massifs (in including for further use as man-made deposits), assessment of the stability of sloping structures.</p>
	<p>Research highlights:</p> <ul style="list-style-type: none"> <li>- wide experience of interaction with representatives of the real mining business in Russia and abroad;</li> <li>- availability of modern software for research;</li> <li>- Availability of equipment for research.</li> </ul>
	<p>Supervisor's main publications:</p> <p>Over the past 5 years, 9 papers have been published</p> <p>Top 5 publications:</p>

	<ul style="list-style-type: none"> <li>• Distribution of iron and sulfur compounds: A case study of hydraulic waste fills,   Cheskidov, V.V., Barabanov, N.N., Lozhkin, M.O., Smirnov, P.A., Lagutina, A.A. Mining Informational and Analytical Bulletin, 2021, 2021(3), стр. 142–153</li> <li>• Slope Monitoring Systems Design for Mining Enterprises Cheskidov, V., Grobler, H., Kurenkov, D., Lipina, A. E3S Web of Conferences, 2020, 174, 01025</li> <li>• Modern methods of monitoring and predicting the state of slope structures Cheskidov, V., Kassymkanova, K.-K., Lipina, A., Bornman, M. E3S Web of Conferences, 2019, 105, 01001</li> <li>• Status monitoring of sloping structures Cheskidov, V.V., Lipina, A.V., Manevich, A.I., Kurenkov, D.S. Topical Issues of Rational Use of Natural Resources - Proceedings Of The International Forum-Contest of Young Researchers, 2018, 2019, стр. 41–47</li> <li>• Integrated monitoring of engineering structures in mining Cheskidov, V.V., Lipina, A.V., Melnichenko, I.A. Eurasian Mining, 2018, 2018(2), стр. 18–21</li> </ul>
	<p>Results of intellectual activity</p> <ul style="list-style-type: none"> <li>- author of the methodology for designing sampling networks in the study of mining waste storages;</li> <li>- author of methods for modeling ore flows and managing the quality of mineral raw materials based on simulation;</li> <li>- author of 3 patents;</li> <li>- and for the last three years he took part in ten projects as a manager, responsible executor or chief geologist</li> </ul>