Serhii Pysmennyi

Associate Professor at the Department of Underground Development of Mineral Deposits, PhD.

In 2002, he started working as an associate at the Department of Underground development of mineral deposits of Kryvyi Rih Technical University (on a part-time basis).

Pysmennyi S.V, in 1999 he graduated from Kryvyi Rih Technical University with a major in Underground development of mineral deposits and received a diploma of a mining engineer with honors.

In 1999-2000, he studied for a master's degree in the above specialty. After completing his master's degree, he received a master's degree in mining with honors. In 2000-2003, he studied at the postgraduate course of the Kryvyi Rih Technical University at the PRRKK department, which he successfully graduated in 2003.

In 2006, he defended his candidate's thesis on the topic "Perfecting of technology of an underground extraction of steeply dipping fields in conditions of open - underground improvement". After defending his thesis, he worked as a senior teacher, and then as an associate professor at the Department of Underground development of mineral deposits. In 2011-2014, he studied at the doctoral program of Kryvyi Rih National University.
He currently works as an associate professor at the Department of Underground development of mineral deposits and is the academic secretary of the Academic Council of the Mining and Metallurgical Faculty of Kryvyi Rih National University.

Currently Pysmennyi S.V. teaches academic subjects for students of the first, second and third levels of higher education. For the first (bachelor) level of higher education, he teaches the following disciplines: "Exploration of deposits and open-pit and underground development of minerals", "Management of the state of the massif", "Drilling operations during underground development of deposits". For the second (master's) level of higher education:
"Comprehensive use of mineral resources of mineral deposits", "New methods of determining and managing the state of the rock massif". For the third (educational and scientific) level of higher education: "Mastering modern computer software complexes for graphic representation of objects."

Pysmennyi S.V. is responsible for the educational and research laboratory "Combined open and underground development of deposits and mountain pressure named after Prof. V. O. Shchelkanova". Actively participates from 2010 to the present in the implementation of the state budget topics "Development of technology for mining complex-structured deposits in contact with overlying clay-bearing rocks",

"Geomechanical and technological substantiation of schemes for opening, preparing, working out complex-structured mineral deposits, including on significant depths", "Improving the technology of working out rich iron ore deposits based on the use of self-propelled mining equipment in the conditions of deep horizons of Kryvbas mines", "Determining the patterns of transformation of the stress-strain state of the mountain massif disturbed by mining in order to create resource-saving ore mining technologies", "Research and scientific and practical substantiation of technological means in the management of the quality of raw materials in the extraction of ores in deep horizons", "Research of the regularities of stabilization of geodynamic processes in a mountain massif and the development of resource-saving technologies for the extraction of various types of iron ores" as an executor.

The main *scientific areas* of work are:
- research and development of measures to increase labor safety in complex open-pit and underground development of ore deposits;
- development of a technology for working out iron ore deposits at great depths using modern mining equipment
- development of the technology of working out deposits in an open-underground way using modern mining equipment

The total volume of research works is more than 100, of which about 70 are scientific works in specialized publications, 6 monographs, 30 articles included in the scientific-metric database Scopus, 4 patents.