

VADIM VLADIMIROVICH PENDIN
(04.10.1947–28.06.2019)

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On June 28, 2019, the famous engineer, geologist, geocryologist, Doctor of Geology, Professor Vadim Vladimirovich Pendin passed away. Vadim Vladimirovich will remain forever in his friends' and colleagues' memories as a gifted scientist, an outstanding educator, a science organizer and the councilor of the editorial board of the Earth's Cryosphere journal highly valued by the entire community of the permafrost scientists.

Engineering geology, geocryology, Vadim Vladimirovich Pendin



On June 28, 2019, Professor Vadim Vladimirovich Pendin, member of the editorial board of the Earth's Cryosphere journal, Doctor of Geology, dean of the hydrogeology faculty (2007–2017) and head of the engineering geology chair of the Russian State Geological Prospecting University Named after Ordzhonikidze, member of the Russian Academy of Natural Sciences, Honored Worker of Higher Professional Education, Merited Worker of Science of the Russian Federation, and member of the Scientific Council for the Earth's Cryology of the RAS, passed away.

Professor Pendin was one of the leading researchers of Russia in the area of engineering geology. The range of his scientific interest was very wide: he developed the theoretical and methodological fundamentals of using mathematical methods in engineering geology, the concept of early prevention of nega-

tive engineering and geological processes, the principles and methods of engineering and geological zoning and mapping, the scientific and methodological basis of engineering and geological survey in design, construction and operation of hydrocarbon transport facilities.

Vadim Vladimirovich Pendin graduated from the Moscow Geological Prospecting Institute in 1970 and was then offered a job in the engineering geology chair of the MGRI. During the years of his work, he made a career from an engineer to a professor, head of the chair and the faculty dean.

In the process of his scientific activity, Vadim Vladimirovich took part in the works to substantiate the projects of the most significant facilities in the north of Western Siberia in the Russian Far East, in the Urals, in the Leningrad region, and in other territories. Vadim Pendin examined most of the water

reservoirs located in the European part of Russia. In 1998 and 2003, he worked in Iran, participating in the engineering geological survey preceding the construction of the Bushehr nuclear power plant as an expert and consultant.

Altogether, Vadim Pendin had more than 150 works published, including 6 monographs, a book of problems on soil mechanics (1991, 2016, 2019), a course of lectures on permafrost engineering (2004), a textbook "Engineering Geodynamics" (2007, 2009, 2015), and a study guide "Permafrost Studies" (2017).

In the engineering geology chair of the MGSI, V.V. Pendin created a scientific school, having prepared 10 candidates of science and two doctors of science, expanded the range of the faculty's activities: he organized, in cooperation with the Institute of the Earth's Cryosphere, SB RAS, first a scientific and educational center to study the cryosphere and then the chair of the Earth's cryosphere. Later, their functions were assigned to the engineering geology chair.

The close connections of Vadim Pendin with such organizations as the Metro Research and Survey Institute (Metropiptrans), State Institute for Designing Pipelines (Giprotruboprovod), Institute for Road Design (Dorpoekt), All-Union Research Institute for Hydrology and Engineering Geology (VSEGINGEO), All-Union Research Institute for Construction and Operation of Pipelines (VNIIST), Industrial and Research Institute for Engineering

Survey in Construction (PNIIS), Institute for Mineralogy, Geochemistry, and Crystal Chemistry of Rare Earth Metals (IMGRE) and other institutions constituted the significant and essential part of Vadim Pendin's work.

Vadim Pendin carried out large research and social work. He was a member of the Scientific Council of the Russian Academy of Sciences, a member of the Russian group of the International Association for Engineering Geology (IAEG), worked as an expert of the Russian Science Foundation and of the Russian Foundation for Basic Research, took part in the state environmental expert evaluation activities in the area of technological and nuclear supervision. He was the chairman of the Council for Defense of Doctorate and Candidates' Theses of the MGRI and a member of the Dissertation Council of the Moscow State University and an Honored Professor of the Jilin University, China.

Vadim Vladimirovich Pendin was truly the heart and soul of his team. He was well-known for his passion for football: he was a football fan, expert, analyst, and a player himself, who once played in the Moscow city team. In his scientific and educational work, Professor Pendin earned a reputation of a remarkable scientist, a highly skilled specialist in the area of engineering geology and a talented teacher, respected by his colleagues and students. We will always remember him as a tactful, considerate and friendly colleague and leader.

Received August 20, 2019