

## IN MEMORY OF THE SCIENTIST



On September 14, 2022, a well-known scientist, Doctor of Engineering Science, Professor of the Operation of Transport Systems and Logistics Department of Don State Technical University, reserve colonel, member of the Editorial Board of the *Safety of Technogenic and Natural Systems* journal, Viktor Vladimirovich Deryushev died suddenly.

V. V. Deryushev was born on November 4, 1952 in Kemerovo. After graduating from high school in 1969, he was enrolled in the Mozhaitskiy Engineering Military Academy, from which he graduated in 1974 (diploma with honors and a gold medal). After serving as a laboratory engineer of a military unit in 1978, he entered the Rostov Higher Command Engineering School named after Chief Marshal of Artillery M. I. Nedelin. Viktor Vladimirovich began teaching in 1981. In 1982 he defended his thesis for the degree of Candidate of Engineering Science. In 1986 to continue his scientific activities, he took the position of senior researcher at the research laboratory. In 1990, by the decision of the Higher Attestation Commission, he was awarded the academic title of senior researcher in the specialty "Dynamics, strength of machines, instruments and equipment", in 1992 — the military rank of colonel. In 1993, V. V. Deryushev was appointed to the post of the head of the Department of Transport and Technological Equipment of Missile Systems, which he headed for 16 years until 2009. In 2000, he was awarded the degree of Doctor of Engineering Science, in 2001 — the academic title of professor.

After the end of his service and the disbandment of the Rostov Military Institute of Missile Troops, he was elected by competition as the head of the Auto Repair Department of the Rostov Technological Institute of Service and Tourism (branch) of the South Russian State University of Economics and Service. Since 2013 he headed the Department of Technical Operation and Service of Machinery and Technological Equipment at the Rostov State University of Civil Engineering. Since 2017, he worked as a professor at the Operation of Transport Systems and Logistics Department of Don State Technical University.

Viktor Vladimirovich made a significant contribution to the solution to the problem of ensuring the durability of the power shell elements of the aircraft structure from the thermomechanical effects of damaging factors of new types of weapons. He developed and justified criteria for structural failure based on thermal stress concentration and short-wave dynamic instability, and means of protection against them. The scientist was one of the authors of a new optimization method based on the unified maximum principle in relation to the problems of synthesis of optimal controls and identification of parameters of dynamic systems, as well as multi-criteria optimization of objects in conditions of uncertainty and risk.

V. V. Deryushev published 200 scientific, educational and methodical works, received 24 copyright certificates and patents for inventions, wrote and published a textbook "Launchers and command posts of missile systems", 11 textbooks, 2 monographs.

In 2003, Viktor Vladimirovich received a grant from the Ministry of Education of the Russian Federation for fundamental research in the field of engineering sciences for the research (Method of optimal parametric damping of vehicle vibrations). Over the years, the scientist led research work in the framework of government programs on assignments: Scientific-Production Organization "Astrofizika", Scientific-Production Organization "Energiya", Central Research Institute of Mechanical Engineering, Scientific-Production Organization of Mechanical Engineering, Central Research Institute of Special Engineering, "Yuzhnoye" Design Bureau, "Raduga" Design Bureau, Department of Housing and Utilities and Energy of Rostov-on-Don on the conformity assessment of the supplied road and municipal equipment.

In 2002-2017, V. V. Deryushev was a member, chairman of the state attestation commissions at Perm Military Institute of the National Guard of the Russian Federation, South Russian State University of Economics and Service, Rostov State Transport University.

V. V. Deryushev has 12 government awards (medals of the Ministry of Defense of the USSR and the Russian Federation), Commemorative badges and diplomas of the Commander-in-Chief of the Strategic Missile Forces.

Viktor Vladimirovich Deryushev was an open and approachable person, distinguished by exceptional diligence, generously shared his knowledge and experience with everyone — colleagues, students. He enjoyed a high reputation among both teachers and students.

The memory of Viktor Vladimirovich Deryushev will remain in the hearts of colleagues in joint work. He will always be an example of boundless devotion to his profession.