

Professor V. G. Miladzhyanov (1953 – 2013). Obituary



On May 13, 2013 the known scholar, doctor of physical and mathematical sciences, professor Miladzhyanov Vakhobzhon Ganizhonovich died suddenly.

He was born on June 21, 1953 in Russkoe village of Markhamatsky district of Andizhan region into a peasant family. From 1970 to 1974, after finishing school, he studied at the Physical and Mathematical Department of Andizhan State Pedagogical Institute (ASPI). On graduating the Institute, he started to work as a teacher of mathematics at secondary school N3 of Markhamatsky district. From November, 1974 to November 31, 1975 he did his military service in the Soviet Army, and then he proceeded with his work at the same school N3. In April, 1977 he was invited to join the Chair of Algebra and Theory of Numbers of ASPI in the capacity of a technician and in February, 1981 he moved to the position of assistant.

In November, 1985 he entered a post-graduate course at the Stability of Processes Department of the Institute of Mechanics of AN UkrSSR. Under the tutelage of doctor of physical and mathematical sciences, professor A.A. Martynyuk, he prepared the Candidate thesis entitled “The application of matrix Lyapunov functions in stability investigation of systems with slow and quick motions” which was a result of his intensive persevering work. After defending the Candidate thesis he was conferred a Candidate of Science degree (PhD) in Physics and Mathematics, speciality 01.02.01 — Theoretical mechanics.

In December, 1988 he started as a senior lecturer at the Chair of Algebra and Computer Science of Andizhan State University and in September, 1990 he was appointed a senior research fellow of the Chair.

V.G. Miladzhyanov managed to combine fruitfully teaching and guiding, academic and research activity. He spared neither time nor effort, throwing himself into work. Many long days, sleepless nights and months of hard work enabled him to carry out intensive research and to prepare in a short term his Doctor thesis “Stability analysis of nonlinear systems under structural perturbations”. On December 21, 1993 he successfully defended the thesis at the Special Council of the Institute of Mathematics of NAS of Ukraine and

took the degree of Doctor of Physical and Mathematical Sciences in speciality 01.02.01 — Theoretical Mechanics.

In August, 1994 V.G. Miladzhanov was elected the Head of the Chair of Algebra and Theory of Numbers and starting from December, 1996 he fulfilled the duties of the Dean of the Mathematical Department. In February, 1998 he was elected the Head of the Chair of Applied Mathematics and Mechanics of Andizhan State University.

From September 1, 2000 he became the Dean of the Physical and Mathematical Department and until the very last day of his life he headed the Chair of Mathematics of Andizhan State University.

V.G. Miladzhanov has made a major contribution to the preparation of young teachers for the Republic of Uzbekistan in the whole, and for Andizhan region in particular. During his professional life (for almost forty years) he brought up and trained more than eight thousand highly qualified young specialists working in the secondary and high education. Scientific results of Miladzhanov are associated with the development of the method of matrix Lyapunov functions for stability investigation of systems with quick and slow motions; stability analysis of large-scale systems under structural perturbations; stability analysis of large-scale discrete systems under structural perturbations; stability of impulsive system under structural perturbations. He proposed a method of constructing hierarchical matrix Lyapunov function for nonautonomous systems which is used in stability investigation of nonlinear mechanical systems.

Scientific achievements attained by Miladzhanov in the fundamental and applied problems of mechanics are widely known in many countries including, of course, Uzbekistan and Ukraine. Together with academician A.A. Martynyuk he worked over and has prepared a generalizing monograph which is intended to be published in English. Besides, he wrote and published more than 150 scientific and methodological papers.

Cherished memory of the well-known scientist and a remarkable man Miladzhanov Vakhobzhon Ganizhonovich will linger on in the memory of those who knew him and worked together with him.