

Obituary of Professor Gennadi Sardanashvily

Gennadi Sardanashvily, the founding editor of the *International Journal of Geometric Methods in Modern Physics*, was born in Moscow on March 13, 1950, and passed away in Moscow on September 1, 2016. He completed his theoretical physics and mathematics education in the Physics Faculty in 1973, and in the postgraduate school at Department of Theoretical Physics of his *Alma Mater*, Moscow State University, in 1976. In 1980 he received the PhD in physics and mathematics, under the supervision of Dmitri Ivanenko, in 1998 he received D.Sc. in physics and mathematics, both at the Moscow State University.

Since 1976 he was appointed as a research scientist at the Department of Theoretical Physics, Moscow State University. For several years Gennadi acted as a visiting professor at the Camerino University in Italy, and was also a member of the Lepage Research Institute (Czech Republic).

His professional life was devoted to research. His work, based on broad knowledge of modern differential geometry, focused on geometric methods in field theory, quantum theory, classical mechanics, and new approaches to gravitation. Gennadi also studied general variational principles in physics, and the corresponding symmetries of underlying spacetime and conservation laws. He belongs to pioneers of the use of the concepts like fibre bundles and jet bundles in theoretical physics. In order to achieve a deeper understanding of the nature, and of the contemporary knowledge and the structure of science, he preferred to study broader topics; he was thinking a lot about different theoretical disciplines, their architecture, and interrelations between them. The results then appeared in more than 25 monographs and textbooks, more than 250 research articles, and 8 edited volumes. His work, quoted more than 2500 times by theoretical physicists and mathematicians from many countries, classifies Gennadi as a leading contemporary mathematical physicist in applications of geometric methods in modern physics.

The international community of theoretical and mathematical physicists, friends and followers, lost an inspiring personality and exceptional scientist.

Demeter Krupka