

Gheorgy Konstantinovich Mishkoj (09.01.1944-12.09.2020)



On the 12-th of September 2020 passed away Gheorghe Mishkoj, outstanding scientist, teacher, applied statistician, friend. His scientific degree was habilitated Doctor of Physics and mathematics, professor, academician at the Academy of Science of Moldova.

Illustrious scientist, mathematician, academician Gheorghe MISHKOJ contributed to the development and strengthening of the applied mathematics. And he did this nationally and internationally during his 49 years of active, fruitful scientific, pedagogical and management remarkable work.

Gheorghe started his fundamental scientific activity at the Moscow State University named after M.V. Lomonosov. He worked as graduate student under the supervision of the famous scientist Gennadi Pavlovich Klimov, now living in the United States. At this time, research in the field of priority queueing systems was very popular and intensively developed at Moscow State University. Under the guidance of an outstanding scientist B.V. Gnedenko a group of young scientists and graduate students worked in this direction of research where G. Mishkoj was actively involved. The result of this activity was his Ph.D. thesis defended in 1974. His high achievement was acknowledged through a small monography issued by the University one year later. The continuation of these studies and numerous new results obtained by him were presented in his doctoral dissertation defended at the Institute of Cybernetics at the Academy of Sciences of Ukraine, in Kiev, 1989.

These results have left a deep mark in the scientific career of the Gheorghe. He remained faithful to this area of work throughout his subsequent scientific life. During his career Gheorghe stood firmly and resultative not only to the priority queues direction of research, but also continued to supervise and support the entire scientific, business, academic growth of the young students in Moldova, as well as the practical application of mathematical knowledge. Gheorghe lived and worked in his home country, but he used to keep all his friendly contacts with colleagues from Moscow, Kiev, Russia, and Ukraine and from universities of the whole world. For his outstanding results and contributions to the country Gheorghe Mishkoj was appointed as member-correspondent to the Moldovans Academy of Sciences in the year of 1995 and was elected for Academician in 2012. He established there the Department of Probability Theory and Applications for the needs of his country and for the perspectives of young scientists.

All subsequent professional activities of Academician Gheorghe MISHKOJ were integrated into the Institute of Mathematics and Informatics of Academy of Sciences of Moldova. The Institution is named after Vladimir Andrunakievichas. Gheorghe worked at the same time for the International Independent University of Moldova. At the Institute of Mathematics and Informatics Gheorghe passed through the stages from an engineer to the head of a department and ultimately to the highest rank of academician of Moldova. In 2004-2008 working as academic coordinator of the Department of Precision and Economic Sciences of the Moldova Academy of Sciences, he made a significant contribution to the implementation of mathematical modeling in economy and other

areas. At the Institute of Mathematics and Informatics for the first time in the Republic of Moldova, the scientific direction "Theory of Probabilities and its applications" has been founded by Gheorghe Mishkoy.

The fruitful scientific activity of this remarkable scientist is innovative and is marked by a number of significant results: the development of mathematical theory of queueing systems with priorities and semi-Markov transitions between states; construction of multi-dimensional versions of Kendall and Pollachek-Khinchin functional equations for polling systems; development of algorithms for modeling and numerical calculation of non-stationary characteristics and many others. In 2014 Gheorghe was invited guest speaker for the Flint International Conference on Statistics, organized in favor of The World Year of Statistics. Selected articles, one of which is his talk were published in world recognized journals.



Professionally, Academician Gheorghy MISHKOY harmoniously combined scientific research with teaching and educational activities. As a professor at the State University of Moldova, and the International Independent University of Moldova as well as in a number of other universities, he taught modern courses in mathematical statistics, econometrics, actuarial and financial mathematics, queueing theory.

Academician Gheorghe MISHKOY made a significant contribution to the training of highly qualified personnel, under his guidance and supervision, eight Doctors of Mathematical Sciences and habilitated doctors successfully got their doctors degree. Scientific results for many years are reflected in more than 300 scientific articles published in national and international journals, including 7 monographs, 4 textbooks. Numerous reports on various prestigious international scientific events in Austria, England, Holland, Spain, Canada, Russia, Romania. USA, France, Japan are tracing his scientific life.

The contributions of Academician Gheorghe MISHKOY to the development of science in the Republic of Moldova were highly appreciated and awarded. Gheorghe is granted by the title of Honorary Citizen and the Orden of "Gloria Muncii". He also is acknowledged with numerous prestigious academic awards: the silver medal of the ASM (2006), medals "Dimitri Cantemir" (2014), medals "Scientific merit", etc.

International recognition of his outstanding merits was confirmed by the electing Gheorghe MISHKOY as a member of the International Institute for Mathematical Research FIELDS (Toronto, Canada, 2010) and as member of the International Institute of Mathematical Statistics (USA, 1992).

The loss of Academician Gheorghe MISHKOY is huge for the entire scientific community and for the society in Republic of Moldova. In these difficult moments, we express our sincere condolences. Our thoughts and prays are with the staff of the Moldovan Academy, the Mathematical institute, his family and all the friends who knew Gheorghe.

May his soul rest in peace!

Gnedenko Forum Editorial

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