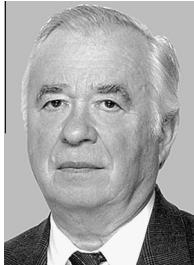




In Memoriam

In memoriam of Professor Oleg G. Martynenko (1936–2012)



Academician Oleg Grigorievich Martynenko, an eminent scientist in the field of thermophysics and power engineering, head of the Department of Power Engineering Physics of the A.V. Luikov Heat and Mass Transfer Institute of the National Academy of Sciences of Belarus, Honorary Editor of the Journal of Engineering Physics and Thermophysics, Honoured Scientist of the Republic of Belarus passed away on the 1st of December 2012 after a long serious illness.

The creative scientific work of O.G. Martynenko began in 1963 when he joined the Heat and Mass Transfer Institute, within whose walls he traversed the path from an engineer to its director (1988–2003). As a disciple of Academician A.V. Luikov, O.G. Martynenko took an active part in research projects, simultaneously working out new trends of research. The many-sided talent, great erudition, and the high creative and intellectual potential allowed him to successfully combine, for many years, great scientific, scientific-organizational, pedagogical, and social work.

Academician O.G. Martynenko has contributed greatly to the development of such scientific trends as convective heat transfer, aerothermooptics, heat and mass transfer in interaction of high-power radiation with substance. His and his colleagues' investigations on the problems of free-convective heat transfer have gained general recognition and reputation. Mention should be made of the unique, excellently illustrated monograph "Free-Convective Heat Transfer" co-authored with P.P. Khraptsov, as well as the handbook "Free-Convective Heat Transfer" co-authored with

Yu.A. Sokovishin. O.G. Martynenko was among the first to undertake investigations in, and develop equipment for, monitoring laser radiation propagating in the atmosphere, which made a start for subsequently dynamically developing trend of aerothermooptical investigations. Also, he actively investigated various types of controlled gas lenses for devising optimal constructions of focusing elements of great interest for communication laser engineering. The works of O.G. Martynenko on the problems of the thermophysics of the process of drawing optical fibers, heat transfer and gas dynamics in vertical atmospheric formations have become widely known.

As the supervisor of the State scientific-technical programs "Power Engineering", O.G. Martynenko has made great contribution to the development of scientifically justified policy and practice of power engineering and energy saving being an initiator of new conceptual approaches in solving the problem of the production and consumption of energy, ensuring the energy safety of the Republic of Belarus. Of late, O.G. Martynenko was actively engaged in the study and development of mixed fuels.

Himself being an author of more than 300 scientific publications, including 12 monographs and above 100 inventions, O.G. Martynenko supervised the work on 5 doctoral and 32 candidate's dissertations, was an editor of the International Journal of Heat and Mass Transfer for a number of countries of the former Soviet Union and of East Europe.

Professor Oleg G. Martynenko will be sorely missed not only by his colleagues at the Heat and Mass Transfer Institute but throughout the scientific world.

O.G. Penyazkov
N.V. Pavlyukevich
K.V. Dobrego

V.A. Borodulya, On behalf of his friends and colleagues