

*In memoriam*

**Professor Oleg G. Martynenko  
1936-2012**



Academician Oleg Grigorievich Martynenko, full member of the National Academy of Sciences of Belarus, head of the Department of Power Engineering Physics of the A. V. Luikov Heat and Mass Transfer Institute, former director of this Institute, and Honoured Scientist of the Republic of Belarus passed away on the 1<sup>st</sup> of December 2012 after a long illness.

Oleg Grigorievich Martynenko was a member of the International Advisory Board from the very beginning of the journal *Thermal Science*, and greatly contributed for the successful development of the journal.

O. G. Martynenko in 1963 joined the Heat and Mass Transfer Institute, where he proceeded the path from an engineer to its director (1988-2003). O. G. Martynenko was worldly known scientist in the field of thermophysics and power engineering. His many-sided talent, great erudition, and high creative and intellectual potential allowed him to successfully combine, for many years, great scientific, scientific-organizational, pedagogical, and social work, and to formulate and lead a number of research projects, opening new trends in convective heat transfer, aerothermooptics, and heat and mass transfer in the interaction of high-power radiation with a substance. His and his colleagues' investigations on the problems of free-convective heat transfer have gained worldwide recognition and reputation, and resulted in publishing excellently illustrated monograph "Free-Convective Heat Transfer" co-authored with P. P. Khramtsov, 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 of equipment for monitoring laser radiation propagating in the atmosphere, which led to the dynamic development trend of aerothermooptical investigations. Also, he actively investigated various types of controlled gas lenses for devising optimal constructions of focusing elements of great interest in communication laser engineering. The works of O. G. Martynenko on problems in the thermophysics of the process of drawing optical fibres and on heat transfer and gas dynamics in vertical atmospheric formations are widely known.

O. G. Martynenko made great contributions to the development of scientifically justified policy and practice of power engineering and energy saving, initiating new concept in solving the problem of production and consumption of energy, thus ensuring the energy safety of the Republic of Belarus.

Academician Oleg Martinenko was author and co-author of more than 300 scientific publications, including 12 monographs and more than 100 inventions, and supervised the work on 5 doctoral and 32 candidate's dissertations. He was Honorary Editor of the Journal of Engineering Physics and Thermophysics and 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. For many years he was member of the Scientific Committee of the International Centre for Heat and Mass Transfer.

From the early 60'ties Oleg Martinenko initiated scientific co-operation between Laboratory for Thermal Engineering and Energy of the Vinča Institute of Nuclear Sciences, and several Departments of the A. V. Luikov Heat and Mass Transfer Institute in the fields of fluidized bed combustion, drying of agriculture products, low temperature plasma and many others, thus greatly contributed to the opening and development of new research topics in Laboratory for Thermal Engineering and Energy.

For many years he was member of the Scientific Committee of the International Centre for Heat and Mass Transfer. Without hesitation he accepted our invitation to help in editing the journal *Thermal Science* from the very beginning in early 90'ties. He actively contributed to the quality of the papers published in our journal.

Oleg Martinenko had, and will always have, many sincere and frankly friends in the Vinča Institute, at the Belgrade University, and in whole scientific community in Serbia. He will be sorely missed also by a number of friends and colleagues in many countries.

July 2013, Belgrade

Prof. Dr. Simeon Oka  
Scientific Advisor at Vinča Institute of  
Nuclear Sciences (retired)  
Editor-in-chief of the journal *Thermal Science*