



## KAKHRAMANOV KAMIL SHAMILOVICH

(DEDICATED TO 75-th BIRTHDAY)

September 1 this year is the date of 75-th jubilee of Kamil Shamilovich Kakhramanov – a well-known specialist in technology of thermoelectric materials and thermopiles, associate member of the International Thermoelectric Academy, Doctor of Science in Physics and Mathematics, professor, deputy science director of Scientific-Production Association “Selen”, Azerbaijan National Academy of Sciences.

Kamil Shamilovich Kakhramanov was born in the Adigeni district of Georgia. On completing school, in 1957 he entered Physics Faculty of Azerbaijan State University which he graduated from in 1962. In the same year he started his labor activity at Tbilisi Research Institute of Electric Welding, and in December that same year he continued work at Institute of Physics, Academy of Sciences of Azerbaijan SSR. In 1963 he became intern researcher in the Laboratory for Thermoelements (headed by L.S. Stilbance) at the Institute of Semiconductors of the USSR Academy of Sciences (A.F. Ioffe Physics and Technical Institute, Leningrad). Since 1968 he was a junior researcher of Laboratory for Thermoelectric Converters of Institute of Physics, Academy of Sciences Azerbaijan SSR, and since November that same year he took charge of Semiconductor Materials Department of Special Design Bureau with Pilot Plant of Institute of Physics, Academy of Sciences Azerbaijan SSR. In 1977 he was appointed director of Special Design Bureau “Tellur” with Pilot Production of Institute of Physics, Academy of Sciences Azerbaijan SSR. In 1969 he maintained his PhD thesis in Technical Sciences. Since 1979 K.Sh. Kakhramanov is Doctor of Science in Physics and Mathematics, and the title of professor was conferred on him in 1983. K.Sh. Kakhramanov was in charge of creation of complex systems and technologies for application of thermoelectric cooling, generation and thermal stabilization, production and design of devices for terrestrial and underwater use, for artificial Earth satellites.

K.Sh. Kakhramanov carries out a multi-vector scientific and technical activity. The main line is study of physical and chemical processes in multi-layer structures based on nanostructured systems and development of devices for research purposes. A series of material science problems have been solved related to development and organization of thermoelectric converters production.

K.Sh. Kakhramanov has achieved results in the development of thermoelements based on  $A^{\text{IV}}B^{\text{VI}}$  and  $A_2^{\text{V}}B_3^{\text{VI}}$  compounds that have found application in converters developed in Special Design Bureau “Tellur” and Scientific-Production association “Selen”, Azerbaijan National Academy of Sciences.

K.Sh. Kakhramanov is the author of 21 inventions, a series of scientific papers and books – over 100 published scientific works. Under his supervision 9 PhD theses have been maintained.

International Thermoelectric Academy, Institute of Thermoelectricity NAS AND MESYS OF Ukraine, editorial board of “Journal of Thermoelectricity” congratulate dear Kamil Shamilovich Kakhramanov with jubilee, wish him sound health, inexhaustible energy, and new successes in his many-sided activities.