LYUDMYLA MYKOLAIVNA VIKHOR

(Dedicated to 60th anniversary)

December 26, 2014 is the date of 60-th anniversary of Lyudmyla Mykolaivna Vikhor, corresponding member of the International Thermoelectric Academy, Doctor of Science in Physics and Mathematics, chief research scientist of Institute of Thermoelectricity of the National Academy of Sciences and Ministry of Education and Science of Ukraine, a well-known specialist in thermoelectric cooling and electric energy generation.

Lyudmyla Mykolaivna Vikhor was born in Kolomyia, Ivano-Frankivsk region (Ukraine) in the family of public officials. Having finished secondary general school, she entered the Faculty of Physics and Mathematics of Chernivtsi State University (1972), Department of thermoelectricity and physical metrology) that she graduated in 1977 in the major "Physics, teacher of physics". On graduation from the post-graduate course, in 1981 she defended PhD thesis in the specialty "Physics of semiconductors and dielectrics" done in the Basic Research Laboratory of Chernivtsi University guided by Prof.A.G.Samoilovich, honoured worker of science of the USSR.

In 1980-83 she worked as a junior research scientist in Basic Research Laboratory of Chernivtsi University, and in 1984-1990 – as a senior engineer of "Phonon" Design Bureau in the department responsible for the development of thermoelectric coolers.

Since 1991 L.M.Vikhor has worked at the Institute of Thermoelectricity of the National Academy of Sciences and Ministry of Education of Ukraine and occupied positions of senior research scientist, leading research scientist, chief scientific scientist, and sector leader. Concurrently, she has been teaching at the Department of Thermoelectricity of Chernivtsi National University.

In 2007, before the members of the Academic board of Institute of Thermoelectricity she defended her doctoral thesis in the specialty "Physics of devices, elements and systems" on the subject "Theory of functionally graded thermoelements and modules on their basis". The research advisor of the thesis was L.I.Anatychuk, academician of the NAS of Ukraine.

The academic career of L.M.Vikhor includes such research priorities as theory of semiconductors, theoretical aspects of heat and current transport phenomena, theory of thermoelectric coolers and generators and devices on their basis, elements of optimal control theory and their application for optimization problems of thermoelectric devices, some of the aspects of theory of thermoelectric material science.

Lyudmila Mykolaivna is a co-author of the monograph "L.I.Anatychuk, L.M.Vikhor, Functionally-Graded Thermoelectric Materials (2012), as well as of the chapter "L.M.Vikhor, L.I.Anatychuk, V.Ya.Mikhailovsky, L.T.Strutynska, Innovations in Organic-Fueled Thermoelectric Generators Development" in the book "Thermoelectric Power", Ed. by William P. Dempsey, Nova Science Publishers Inc., N.Y.

L.M.Vikhor is the author of more than 90 scientific publications in leading home and foreign periodicals and international conference proceedings. She is the author of 8 patents of Ukraine, science editor of "Journal of Thermoelectricity".

For achievements in work Lyudmyla Mykolaivna was awarded with the honorary certificate of the Presidium and Central trade union committee of the National Academy of Sciences of Ukraine (2008), as well as with the honorary certificate of Chernivtsi regional council (2009).

International Thermoelectric Academy, Institute of Thermoelectricity, "Journal of Thermoelectricity" Editorial Board sincerely greet the esteemed Lyudmyla Mykolaivna Vikhor on her 60^{th} jubilee and wish her sound health, new progress in work, happiness and abundance.