



## **BOGDAN IVANOVYCH STADNYK**

(Dedicated to 80<sup>th</sup> birthday)

Bogdan Ivanovych Stadnyk, Doctor of Science in Engineering, professor, academician of Ukrainian Academy of Engineering Sciences, academician of the International Thermoelectric Academy, Director of the Institute of Computer Technologies, Automation and Metrology at the National University “Lvivska Politechnika”, Head of Department of Information Measurement Technology, has celebrated his glorious 80<sup>th</sup> anniversary.

Bogdan Ivanovych Stadnyk was born on June 1, 1936 in Hirne village, Stryi district in the Lviv region. In 1958 he graduated from Lviv Polytechnic Institute.

He began his research activity at Scientific and Production Association “Thermoprylad” to study thermoelectric characteristics of different materials used with change in temperature. Later on, in cooperation with G.V. Samsonov and P.S. Kyslyi, academicians of the Academy of Sciences of Ukraine, he studied in detail the thermoelectric characteristics of metal-ceramic semiconductor materials to be used for measuring high temperatures in aggressive environments.

The main lines of the numerous scientific research and practical developments pursued by the scientist are as follows:

- creation of temperature measuring instruments with the use of thermoelectric effects;
- development of theoretical basis and practical methods for investigation of thermoelectric effects;
- simulation and study of interaction between the conversion error of thermoelectric temperature sensors and the gradient of their internal mechanical stresses.

Professor B.I. Stadnyk leads the scientific school of means for measuring physical quantities which laid theoretical, technological and metrological foundations for the creation of new instruments and systems of temperature measurement, namely development of a new direction founded by him – the problems of interaction between the errors of primary transducers of physical quantities and the gradients of their internal mechanical stresses, the ways for their reduction.

Ukrainian scientist shared his achievements with the researchers during his business trips to France, Germany, Poland, Hungary, at numerous international scientific conferences, seminars and symposiums.

B.I. Stadnyk is the author of over 450 scientific works – monographs, papers, patents and inventions. Bogdan Ivanovych is chairman of Specialized Council on Doctoral Theses in the National University “Lvivska Politechnika”. Under his supervision 32 PhD and 10 Doctoral Theses have been defended.

For his selfless work of many years a well-known scientist, honoured inventor of Ukraine B.I. Stadnyk was awarded with two orders, numerous medals, diplomas, lapel badges, honorary titles and premiums.

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International Thermoelectric Academy, Institute of Thermoelectricity of the National Academy of Sciences and Ministry of Education and Science of Ukraine, “Journal of Thermoelectricity” Publishers cordially greet the esteemed Bogdan Ivanovych Stadnyk, sincerely wishing him sound health, happy longevity and new creative achievements.