



ANDRIY OLEHOVYCH TEUT

(Dedicated to 60th anniversary)

September 3, 2014 is the date of 60-th anniversary of Andriy Olehovych Teut – a well-known specialist in the field of semiconductor materials science, academician of the International Thermoelectric Academy, PhD in Engineering and Head of Laboratory at State Affiliate “The Eastern Mining-and-Metallurgical Research Institute for Nonferrous Metals”.

A.O. Teut took up the problems of manufacturing (synthesis) of thermoelectric materials, thermoelement leg blanks (pressed, extruded, zone-levelled) for coolers and generators in 1981, working as equipment operator, process engineer, head of shop department. The consumers of marketable products were the enterprises of Leningrad (now Saint-Petersburg), Moscow, Kyiv, Odessa, Lviv, Chernivtsi and other cities. A.O. Teut took part in the development of new materials and improvement of their production techniques.

In 1984, while continuing to work, A.O. Teut joined a post-graduate course of Moscow Institute of Steel and Alloys (department of semiconductor materials science). In 1990 he maintained PhD thesis “Optimization of technique for manufacturing legs for thermoelectric cooling devices extruded from $Bi_2Te_{2.7}Se_{0.3}$ alloys”.

In 1994 A.O. Teut was elected academician of the International Thermoelectric Academy. Since 1996, when he was appointed as chief metallurgist (later director of research) of Pilot lead plant, the range of his scientific interests has widened considerably, the work in thermoelectricity has been combined with solving the problems of ore concentration, metallurgy of non-ferrous and precious metals.

Today A.O. Teut takes part in the development of innovation project for organization of production of thermoelectric power converters based on domestic raw materials base of the Republic of Kazakhstan.

The main lines of scientist’s research and practical developments are as follows:

- semiconductor materials science;
- thermomechanical treatment of thermoelectric materials;
- development and mastering of technique for manufacturing of thermoelement legs for semiconductor power converters;
- technological and engineering development of semiconductor thermal into electric energy converter and manufacturing of a prototype of thermoelectric current generator.

A.O. Teut is the author of numerous scientific publications in peer-reviewed journals, as well as the patents “Laboratory mill for bulk materials” and “Method for the production of semiconductor materials based on metal chalcogenides”. The scientist delivered reports on the problems of research and application of semiconductor materials.

For successes in the scientific and production activity A.O. Teut has been awarded with Third Class Order of Labour Valour and Third Class Badge of the Ministry of Industry and Trade of the Republic of Kazakhstan.

The 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 Andriy Olehovych Teut on his 60-th jubilee and wish him sound health, happiness and new achievements.