



## ZINOVIY MOISEEVICH DASHEVSKY

(Dedicated to 70-th birthday)

On February 9, 2015 Zinoviyy Moiseevich Dashevsky, an academician of the International Thermoelectric Academy, celebrated his 70-th birthday.

Zinoviyy Moiseevich Dashevsky was born in Lugansk, Ukraine.

He went into higher education in Russia, at Moscow Institute of Steel and Alloys having graduated in 1968 from the Faculty of Semiconductors and Dielectrics in the specialty of “Electrical Engineering”.

In 1973 at the same Institute he defended his PhD Thesis “High-performance thermoelectric films based on *Bi-Te-Sb* solid solutions”.

Throughout 1973-1979 Z.M.Dashevsky was a senior research fellow, and since 1979 till 1990 – head of Laboratory for Film Thermoelements at Institute of Current Sources, Scientific-Production Association “Kvant” (Moscow).

In 1987 he defended a thesis for a doctoral degree in engineering on the topic “Film thermoelements: physics and applications” (Saint-Petersburg Technical University). Since 1990 till 1993 he was head of Department for Thermoelectricity at State Research Institute of Current Sources (Moscow), and in 1993 – chief designer of this Institute. He was actively involved in the development of many thermoelectric projects.

During 1992-1994 he held the position of a professor of the Electronics Faculty of Moscow Open University.

Zinoviyy Moiseevich was successfully engaged in teaching: at the Electronics Faculty of Moscow Open University he held a special course in “Electronic materials”, and at Ben-Gurion University (Beer-Sheva, Israel) – the courses “Technology of semiconductors”, “Lithography and melting”, “Technology of silicon VLSI” (for post-graduates).

The main lines of Z.M.Dashevsky’s research activity include:

- thermoelectricity;
- $A^{IV}-B^{VI}$  semiconductors;
- functionally-graded thermoelectric materials;
- IR-detectors;
- quantum well structures for thermoelectric applications;
- nanocrystalline semiconductors.

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The scientist's name is of wide renown in scientific community. Zinoviï Moiseevich is the author of well-known books and monographs:

1. B.Goltsman, Z.Dashevsky, V.Kaidanov, and N.Kolomoyets, *Film Thermoelements: Physics and Applications* (in Russian) (Moscow: Nauka, 1985), 232 p.

2. I.Balmush, Z.Dashevsky, and A.Casian, *Thermoelectric Effects in Multi-Layered Semiconductor Structures* (in Russian) (Kishinev: Știința, 1992), 144 p.

3. Z.Dashevsky, *Thermoelectricity in Lead Chalcogenides* (chapter in the book "Physics and Application of IV-VI Group Semiconductors"), ed. by D.Khokhlov (Gordon and Breach, 2002).

4. Z.Dashevsky, *Highly Light-Sensitive Lead Chalcogenide Films* (chapter in the handbook "Semiconductor Nanostructures and Devices"), ed by A.A. Balandin and K.L.Wang (USA, 2005).

For many years professor Dashevsky has been a scientific advisor of students and post-graduates. Under his supervision more than 7 doctoral theses have been defended at Ben-Gurion University.

Z.M.Dashevsky has been an academician of the International Thermoelectric Academy from the date of its founding.

In 2009 Zinoviï Moiseevich was awarded with the Honorary Golden Prize of the International Thermoelectric Academy in the nomination "For Outstanding Achievements in Thermoelectricity".

International Thermoelectric Academy, Institute of Thermoelectricity of the National Academy of Sciences and Ministry of Education and Science of Ukraine, congratulate Zinoviï Moiseevich on his jubilee and wish him sound health and longevity.