



CASIAN ANATOLIY IRRADIONOVICH

(Dedicated to 80th birthday)

In November 2015 Anatoliy Irradionovich Casian, a well-known scientist, Doctor of Science in Physics and Mathematics, professor, academician of the International Thermoelectric Academy celebrated his 80th birthday.

Anatoliy Irradionovich Casian was born on November 17, 1935 in the village of Kolikautsi, Brichany district, Moldova.

In 1957 he graduated with honours from Kishinev State University (now State University of Moldova) in the specialty “theoretical physics”. In the same year he entered the post-graduate course at that university; in 1961 defended his PhD thesis, and in 1988 – doctoral thesis in Physics of Semiconductors. In 1990 A.I. Casian was awarded the title of professor.

During 1960 – 1969 he occupied different positions in the Academy of Sciences of Moldova. Up to 1976 he headed Theoretical Mechanics Faculty of Kishinev Polytechnic Institute. In 1976 – 1982 he worked in Moldova Branch of Institute of Current Sources of Moscow Scientific-Industrial Association “Kvant” in the position of leading researcher, and then – director of the branch.

From May 1982 till today he is professor of Theoretical Mechanics Faculty of Technical University of Moldova.

Anatoliy Irradionovich Casian is known to the general public as vice-chairman of Theoretical Physics Council at the Academy of Sciences of Moldova, vice-chairman of Specialized Council on PhD and Doctoral Theses in Theoretical Physics at the Academy of Sciences of Moldova, member of international editorial board of “Journal of Thermoelectricity” and other periodic scientific publications, head of the research group of four international projects.

In 1994 A.I. Casian was elected academician of the International Thermoelectric Academy, and in 1999 – a corresponding member of the American Romanian Academy of Arts and Sciences.

The well-known physicist was more than once invited for reading theoretical courses in the universities and institutes of France, Israel and USA.

The scope of the scientist’s research interests is rather wide. They are related to fundamental problems of theory of semiconductors, transition phenomena and thermoelectric phenomena in low-dimensional structures, quantum wells, and thermoelectric properties of quasi-monomeric organic crystals.

The most significant innovative results have been achieved by the scientist in the following avenues of research:

- theory of kinetic and optical phenomena in polar semiconductors under dynamic screening conditions;
- thermoelectric effects in the structures with a large number of *p-n*-homo and heterojunctions;
- kinetics of current carriers and non-equilibrium carriers in ionizing radiation detectors;
- optical, transport and thermoelectric properties of some low-dimensional structures;
- thermoelectric properties of quasi-monomeric organic crystals.

Professor A.I. Casian is the author of over twenty scientific works, including two monographs and six textbooks.

The scientific, teaching and organizational activity of scientist A.I.Casian has been adequately assessed: he was awarded with a medal “For Valorous Labour” and many other state and public awards.

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 Anatoliy Irradionovich on his glorious jubilee, sincerely wishing him sound health, happy longevity and new creative achievements.