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Academician Anatoly Dostanko celebrated his 85th anniversary

In July 2022, Anatoly Dostanko, Academician, Doctor of Science in Engineering, celebrated his 85th anniversary. In the library of the National Academy of Sciences of Belarus an exhibition of his works was shown. Let's recollect the career path of this famous scientist.

Anatoly Dostanko was born on July 2, 1937 in the village Obchin, Minsk Region. After graduating middle school, he entered the Taganrog Radiotechnical Institute (the first radiotechnical institute created in the USSR) and graduated from it in 1962 majoring in "Electronic Equipment". Having worked for 8 years in the mentioned institute he moved to Minsk and applied for an Associate Professor position in the Minsk Radio Engineering Institute (in 1993 this institute was transformed into the Belarusian State University of Informatics and Radioelectronics), where later he occupied the positions of the Department Head, Vice-Rector for Education, and First Vice-Rector. Moreover, since 1993 to 2001 he was a chairman of the Higher Attestation Commission of the Republic of Belarus. Anatoly Dostanko is an author of more than 600 scientific papers including 19 monographs, 1 handbook, 17 exercise books, and more than 300 patents and invention certificates.



His research interests lie in the field of microelectronics, physics and beam technology techniques, film materials science, technological process diagnostics, as well as electronic equipment technology.

Anatoly Dostanko created physical and chemical bases for modification of microvolumes of solids in multilayer structures by high-energy particle flows. He theoretically proved and experimentally implemented physical selective ion sputtering phenomena, phase delamination in multicomponent film structures, and ascending diffusion of the light component under the influence of ion bombardment. Also, he developed principles of software-controlled modular technological systems construction based on ion and electron beams, flows of infrared radiation and microwave discharge, as well as integrated technologies for obtaining multifunctional solid-state structures of micro- and optoelectronics. Under his scientific guidance two Republican Complex Targeted Programs on New Technologies in the Field of Electronics (“Metallization”, “Technology”) and two State Scientific and Technological Programs (“Diagnostics”, “Diagnostics, Medical Technology and Equipment”) were implemented.

Anatoly Dostanko is a student of a Nobel Laureate Zhores Alferov (who is one of 16 honorable inventors of the USSR), a laureate of the State Awards of the BSSR and the Republic of Belarus, laureate of the National Academy of Sciences of Belarus and the Council of Ministers of the Republic of Belarus awards.