

**ON THE OCCASION OF 70TH ANNIVERSARY OF FULL UNIVERSITY
PROFESSOR TEODOSIE PASECHNIC**



An erudite and passionate researcher, strictly rigorous, high standard insistent, doctor rerum naturam habilitat, full university professor Teodosie Pasechnic, laureate of state prize of the MSSR, Emeritus Person of the Republic of Moldova, Teodosie Pasechnic is reaching the nice age of his seventieth birthday and 40 ages of his scientific and teaching activity. By this date he leaves behind a whole generation of pupils – professors, researchers, well-known personalities, who, as he did, continue with a diligence and guts the noble cause of discoveries in Science and cultivate the attraction to the knowledge in souls of the new generation.

Teodosie Pasechnic was born on January 28, 1938 in the Gavanoasa village, Odessa region. After the graduation from the State University of Moldova (1966) T. Pasechnic was appointed at the Electrophysics Department as a laboratory assistant. In 1967 was promoted as an assistant professor, then as a senior lecturer of the same Department, where his activity was directed both to teaching and to research work. In 1973 he became an associated professor at the Department of Physics of Semiconductors and in 1977 - an associated professor at the Department of Electronics where he worked until 2003 and where he elaborated and held a set of courses, such as: Radioelectronics fundamentals (for “physics” specialty); Physics fundamentals of the electronic calculators (for “Mathematics” specialty) as well as special courses: Physics of Solid State and Semiconductor Physics, Radioelectronics fundamentals, Oscillations Theory.

The promoter of Teodosie Pasechnic — an eminent professor Kot Michael — soundly affirmed that the future belongs to achievements in the field of Electronics based on semiconductors. This prediction had an indisputable foundation for successful setting of the scientific heritage in the Republic of Moldova.

Exactly this was the fundamental criterion for a new direction in the investigation of the electronic properties of semiconductors. And now we are at the point to count 40 years of the scientific activity and 70 years from birth of Prof. Pasechnic, when successes of great importance crossed the country borders by reaching the world standards. His scientific investigations resulted in the invention of new devices and apparatus fabricated on the base of lower cost semiconductors.

The ascension of this remarkable person in science began in 1971 with his defense of the thesis for the degree of doctor in physics and mathematics “Transport phenomena in InSb single crystal films”. After these achievements, since 1971 he is a responsible executor and scientific supervisor of a series of projects included in the plan of fundamental research projects. The results of scientific investigation were reflected in corresponding reports and in about 70 papers; 20 invention certificates were obtained on their basis.

Mr. T. Pasechnic was a scientific supervisor of numerous master theses; he also guided scientific activity of a great number of postgraduate students and competing students. In 1985 in the Scientific Institute of Applied Physics in Moscow the fruits of his work for more than 10 years were crowned by his defense of the thesis for the degree of doctor rerum naturam habilitat on “Semiconductor and dielectric Physics” with a subject “Realization of the structures for infrared radiation recording and investigation of the information recording processes in a real time scale”.

For many years he was the Chief of the Specialized Scientific Council for theses in specialties “Semiconductor and dielectric Physics”, “Theoretical physics”, “Electronic physics”.

As a professor he developed large scientific and organizing activity, paid a special attention to the priority fundamental directions of science, to their orientation to the solution of vital problems of the national economy.

Being a leader and initiator of bilateral production projects, leader of social organizations and the dean of Faculty of Physics, Teodosie Pasechnic came to the conclusion that there is no reason to train only physics teachers for the Republic. The country needs physicist-engineers for industry. The University began to staff industry and scientific institutions with engineer profile personnel.

In addition to continuous scientific and educational activity of Prof. Pasechnic, his experience as an organizer of the University Scientific life should be mentioned. In 1980 he was appointed a Dean of the Faculty of Physics. During a period of 10 years (from November 1988 till November 1998) he fruitfully worked as a University pro-rector on scientific problems. From 1993 till 2000 he headed the Department of Electronics at the Physics Faculty. In 1998-2003 he was a founder Rector of the “Institute of Applied Integrated Studies”.

The scientific achievements of Prof. Teodosie Pasechnic are highly appreciated both in the country and abroad. So, in 1977 the decoration “Excellent of the Public Education of MSSR” was conferred on him; in 1984 – “Labor veteran” medal; in 1985 – the decoration “For excellent successes in highly education of the USSR”; in 1987 – “The state Prize of the MSSR in Science and Technique” was awarded to him; in 1996 – “Emeritus Person” of the Republic of Moldova. Prof. Teodosie Pasechnic was also awarded to 5 gold and 3 silver medals of the International Exhibition of Research and Innovation “Eureka”, '96, '97, '98, '99, 2000, 2001 in Brussels and Geneva, 1999-2001; in 1997 – Diploma of Constructive International Organization UNESCO; 1997 and 1998 – “International Person of the Year” – title.

Teodosie Pasechnic has about 170 scientific papers including monographs: “Thin layers of indium antimonide. Fabrication, properties, using” 1989, books and teacher edition “Linear

electric circuits with the concentrated parameters” (lectures, 1976); “A special practicum on physical electronics” (didactic material, co-authorship 1986); Proceedings of 111th four of All-Union Physics Olympiads “Student and scientific-and-technical progress” (co-authorship 1989); “Oscillations theory” (courses, co-authorship 1992); “A special practicum on physical electronics” (didactic material, co-authorship 1994); “Fundamentals of Radioelectronics” (guide for laboratory works, co-authorship 1995); “Fundamentals of Radioelectronics” (guide for laboratory works, co-authorship 1997).

Teodosie Pasechnic has made a substantial contribution to the development of the University Science. He has elaborated The Concept of Master training, which served a foundation for approving of the Amendments to the Regulation regarding postgraduate specialized Master training, approved by the State University of Moldova Senate of June 26, 1987.

Petru Gaugash, full university professor, 1st pro-rector of MSU.

Dumitru Nedeoglo, doctor rerum naturam habilitat, full university professor,
Head of the Department “Applied Physics and Informatics”, MSU.