

Vladimir Ivanovich Ivanov-Omskii



On April 15, 2022, Vladimir Ivanovich Ivanov-Omskii, an outstanding scientist and organizer of science, a wonderful person, our colleague, teacher and friend, died at 90th year of life.

Vladimir Ivanovich was born on December 19, 1932 in Volgograd. In 1955 he graduated with honors from the Chemical Faculty of Leningrad State University with a degree in „physical chemistry“. After graduating from LSU, Vladimir Ivanovich was sent to the graduate school of the Physics and Technology Institute named after A. F. Ioffe of the USSR Academy of Sciences, where, under the guidance of his teachers B. T. Kolomiys and N. A. Goryunova, he began to study semiconductor materials. Since then, his whole life has been inextricably linked with the FTI, where he first led the sector of electronic phenomena in semimetals, and then, for many years, the laboratory of photovoltaic phenomena in semiconductors.

In scientific circles, Vladimir Ivanovich is known primarily for his work in the field of physics of narrow-slit and slit-free semiconductors and negative luminescence. The results of his recent studies of the structure of nanocomposites based on amorphous carbon and the features of electronic and optical phenomena in them, as well as the physics of water and various biological objects, including wood and human tissues, have also been widely recognized. For a cycle of studies on detection and investigation of negative luminescence Vladimir Ivanovich was awarded the Frenkel Prize, and for the discovery and

study of the properties of slit-free and narrow-slit semiconductors, he became a laureate of the USSR State Prize. In his activity, V. I. Ivanov-Omskii devoted time not only to fundamental research; he also devoted a lot of time and effort to applied work,— under his leadership, the domestic technology of infrared photodetectors based on solid solutions of cadmium-mercury tellurides was developed. Vladimir Ivanovich — an Honored Worker of Science and Technology of the Russian Federation, Doctor of Physical and Mathematical Sciences, Professor. For many years and until the last days of his life, he was a member of the editorial board of the magazine „Physics and Technology of Semiconductors“. For a number of years he was the editor of the magazine *Semiconductor Science and Technology*, organized the regional branch of the editorial office of this magazine in FTI.

V. I. Ivanov-Omskii paid a lot of attention to the training of young specialists, for more than 25 years he taught a course of general physics to students of materials science specialties of St. Petersburg State Polytechnic University. He developed lecture courses on general physics and solid state physics for the technical faculties of the university and on water physics for the Hydraulic Engineering Faculty. For several decades and until his death, Vladimir Ivanovich was a permanent member of the Dissertation Councils of the FTI in the specialty „physics of semiconductors“.

In total, V.I. Ivanov-Omskii published about 400 scientific articles. Under his scientific supervision, 44 PhD theses were defended, among his students 14 doctors of sciences. Vladimir Ivanovich has worked in leading scientific institutions in France, Poland, Great Britain, Germany, and also in Japan and In Canada and he was highly respected by colleagues everywhere; until the last days he worked on a joint project with By the

University of Western Ontario in Canada. V.I. Ivanov-Omskii was a full member of the European Academy of Sciences and Arts in Salzburg, an honorary doctor (Doctor honoris causa) of Tiraspol State University (Republic of Moldova) and Drohobych Pedagogical Institute named after I. Ya. Franco (Ukraine).

The bright memory of V.I. Ivanov-Omskii will forever remain in the hearts of his colleagues, students and friends.

Friends, colleagues, students

Editorial Board of the magazine „Physics and Technology of semiconductors“