

On the 75th anniversary of Associate Member of the ASM I.I. Geru

Ivan Ivanovich Geru and Kazan

I.I. Geru devoted all his scientific activity of many years to the development of radio-spectroscopy methods and their application for studying the magnetic phenomena in condensed media.

The electron paramagnetic resonance (EPR) as a method of research originated in Kazan as a result of the discovery of microwave energy resonance absorption by the substance in a magnetic field, which was made by assistant professor of the Kazan State University E.K. Zavoisky in 1944. The Kazan scientific school of magnetic radiospectroscopy has won the world recognition, so it is no wonder that the life of I.I. Geru is connected with Kazan and Kazan's physicists. It was in Kazan where he was directed by the head of the Institute of Chemistry of the Academy of Sciences of MSSR, academician of the Academy of Sciences of MSSR A.V. Ablov. In conjunction with collaborator of the Kazan Physico-Technical Institute Yurii Vasil'evich Yablokov, he carried out experimental research into a number of coordination compounds. These results were published in 1961 in the journal "The Reports of the Academy of Sciences" with the recommendation being given by academician A.E. Arbuzov, and this was the first publication on EPR of structurally ordered dimmer cluster in the URSS. The joint work in the field of EPR spectroscopy of coordination compounds of scientists of the Kazan PhTI and the Institute of Chemistry of the ASM, initial steps on which were taken by I.I. Geru, is successfully continued nowadays.

The second thread that connects the Kazan PhTI and I.I. Geru is the phenomenon of a double electron-nuclear acoustic resonance, which was theoretically predicted by I.I. Geru in 1967. This phenomenon was experimentally discovered in the Kazan PhTI in 1969 under the supervision of V.A. Golenishchev-Kutuzov.

In the life of every scientist, the recognition of his merits by his colleagues is of great importance. Formally, it is expressed in the awarding of scientific degrees of candidate and doctor of sciences. In this respect, Kazan has played an important role in the life of I.I. Geru. It was at the Council for the Thesis Defense where he was awarded the degree of doctor habilitate in physics and mathematics.

During all these years of communication in creative work and in human contracts, we have had immense respect for Ivan Ivanovich. We are always happy to meet him. We also see that Ivan Ivanovich is not indifferent to Kazan physicists and to Kazan. It is difficult to remember an important Russian or international conference on the problems of magnetic resonance in which Ivan Ivanovich has not taken part. There is no necessity to name all Kazan conferences in which Ivan Ivanovich participated during 50 years of his scientific activity. Let us mention just a few of them: the XII All-Union meeting on low temperature physics held in 1965, the All-Union jubilee conference on paramagnetic resonance dedicated to the 25th anniversary of the discovery of EPR held in 1969, the XXVI Congress AMPERE in 1994, the International Conference „Modern Development of Magnetic Resonance” dedicated to 60 years since the discovery of EPR held in 2004, and the International conference "Resonances in Condensed Media" dedicated to the centenary of one of the founders of Kazan school of radiospectroscopy S.A. Al'tshuler held in 2011.

We know I.I. Geru as an actively working scientist and a very pleasant person to communicate with. We wish him every success in the implementation of new scientific projects, health, well-being, and many years ahead.



In the photo: I.I. Geru and one of the participants of the conference dedicated to the centenary of S.A. Al'thsuler.

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