

Professor Konstantin Y. Gusliyenko, 1959-2025



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It is with profound sorrow that we announce the passing of Professor Konstantin Y. Gusliyenko, an eminent theoretical physicist in the field of magnetism and a long-standing collaborator of the Department of Nanostructures Physics at the Faculty of Physics and Astronomy, Adam Mickiewicz University in Poznań.

Born in Kyiv, Ukraine, Professor Gusliyenko studied Physics at the National Technical University “KPI” in Kyiv, where he received his B.Sc. and M.Sc. in Physics with a specialization in the physics of metals. In 1989 he obtained his Ph.D. in Physics and Mathematics from the Institute for Metal Physics of the National Academy of Sciences of Ukraine. He then pursued a distinguished scientific career, holding positions at the Institute for Metal Physics and the Institute for Magnetism in Kyiv, followed by postdoctoral and research appointments at Vienna University of Technology, the Korea Institute for Advanced Study, Seagate Research in Pittsburgh, Argonne National Laboratory, and Seoul National University. Since 2009 he served as an Ikerbasque Professor at the Department of Materials Physics of the University of the Basque Country (UPV/EHU) in San Sebastián, Spain.

Professor Gusliyenko was internationally recognized for his outstanding contributions to the theory of magnetism, in particular to the understanding of magnetization dynamics in nanostructures. His pioneering work on the dynamics of magnetic vortices and on a wide range of non-uniform magnetic textures in confined geometries has had a lasting impact on modern magnetism and magnonics. His theoretical insights have shaped how we understand magnonics and nanomagnetism today, and they continue to inspire ongoing research in laboratories worldwide.

Our Department had the privilege of collaborating with Professor Gusliyenko over many years. The close scientific ties between his group and the Department of Nanostructures Physics at the Faculty of Physics and Astronomy, AMU, led to numerous joint projects, publications, and visits. His deep physical intuition, original ideas, and clear, constructive criticism were invaluable for the development of our research on magnetic vortices, spin dynamics, and magnetic textures. For many of us, his comments and suggestions during discussions were not only scientifically insightful but also intellectually formative.

Those who worked with Professor Gusliyenko will remember him not only as a brilliant scientist, but also as a remarkably kind, open, and generous person. He was always willing to share his knowledge, to discuss new ideas, and to devote time to careful explanations. He offered strong support, encouragement, and fair, honest advice to young researchers, helping them to grow scientifically and to find their own path in research. His warmth, modesty, and sense of collegiality created an atmosphere of trust and genuine collaboration.

We mourn the loss of an outstanding scientist and, above all, of a close collaborator, colleague, and friend. His passing leaves a deep void in our scientific community and in our hearts. We extend our sincere condolences to his family and loved ones, and we will cherish his memory with gratitude and respect. His scientific legacy and the inspiration he gave us will remain with us for many years to come.