# In memory of the prominent person and scientist

Alexander Pankov

Alexander Albertovich Pankov was born on February 1, 1953 in Gomel. Back in mid-September of this year, Alexander Pankov was active in work, as an invited lecturer preparing for a trip to Minsk for the FANS&ANPh'2022 conference, conducting familiar everyday conversations, and making plans. But fate decreed otherwise, and on *September 25, 2022*, Alexander Pankov passed away. His departure is a huge loss for colleagues, an irreparable loss for those whom he worked with shoulder to shoulder and for his family.

Over the years of work at the Gomel State Technical University named after P. O. Sukhoi (GSTU) Alexander Pankov gained unconditional authority as a highly qualified scientist and teacher. Alexander Pankov defended his doctoral dissertation "Effects of electroweak interactions in the processes of annihilation production of new neutral gauge bosons and heavy vector quarkonia" at the Institute of Physics of the National Academy of Sciences of Belarus in 1994, he was awarded the academic title of "professor" in 1997. For many years of fruitful research and teaching activities, he was awarded the Certificates of Honor of the Ministry of Education of the Republic of Belarus.

Professor Alexaner Pankov headed the Physical Research Laboratory (PRL), created at the GGTU more than 25 years ago. Since 2004, he has also headed the branch of the Abdus Salam International Center for Theoretical Physics (ICTP, Italy) established on the basis of the PLR, which is the only center of this kind in the region of Central and Eastern Europe.
He was an associate professor at the ICTP and a member of the Italian Physical Society, a member of the editorial boards of 4 international scientific journals in physics (Nonlinear Phenomena in Complex Systems, The Scientific World Journal, Conference Papers in Physics, American Journal of Modern Physics), since 2019 he has been member of the ATLAS international collaboration at the Large Hadron Collider (Geneva, Switzerland).

The scientific interests of Professor Alexander Pankov were connected with topical problems of theoretical physics and elementary particle physics. He developed original methods for precise testing of the Standard Model of electroweak interactions, for searching for phenomenological manifestations of extended and alternative models in experiments on modern and future high-energy colliders (LHC, ILC, FCC-ee, FCC-hh, CLIC). The results obtained during the researches were included in the physical program of experiments at the Large Hadron Collider, as well as at the International Linear Electron-Positron Collider.

Professor Alexander Pankov is the author of more than one hundred and fifty scientific papers, most of which have been published in leading international periodicals. Fundamentally new scientific results were recognized by the world scientific community and were included in the edition of the Particle Data Group, a reference book of world data on particle and atomic physics. Scientific achievements of professor Alexander Pankov were awarded by the National Academy of Sciences of the Republic of Belarus (1982, 1998, 2018). he also was the owner of a grant from the President of the Republic of Belarus (2002, 2019), grants for international projects funded by the Belarus Foundation for Fundamental Researches, contracts executed on the orders from the Joint Institute for Nuclear Researches (Dubna, Russia), a multiple winner of the Soros and Bruno Rossi grants.

Professor Alexander Pankov actively attracted talented young people to scientific research and trained highly qualified personnel. Under his supervision, three Ph.D. theses in theoretical physics were defended, he was also a co-supervisor of one doctoral dissertation defended in Poland.

Alexander Pankov was not only a talented scientist, but also a charming, cheerful, sympathetic, friendly and very positive person, a wonderful colleague and teacher. He has been active in sports all of his life. Of particular note is his amazing performance. He always showed high integrity in upholding scientific truth and intolerance for ignorance in science, enjoyed well-deserved authority among the broad scientific community, colleagues and students.

The bright memory of Professor Alexander Pankov will forever remain in the hearts of his colleagues, students and friends and will help to continue his work.

On behalf of the Editorial Board of the Interdisciplinary Journal
Nonlinear Phenomena in Complex Systems

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