

Dear Authors and Readers! Honourable colleagues!

The 25th anniversary of Independence is a bright symbol of progress, sustainable development and achievements of the people of Kazakhstan in various fields. In this respect, it is important to be able to widely share and discuss new scientific solutions and developments. An example is the international exhibition EXPO-2017-Astana, in which more than 100 countries will participate. The theme of EXPO-2017, "Energy of the future" – alternative energy sources, is one of the most urgent topics of the world community.

Scientists and employees of the higher education system make their own contribution to these successes. Indeed, the development of science is inconceivable in a closed space. It is impossible to achieve high competitiveness of scientific and technical developments without the exchange of information and mutually beneficial cooperation between scientists and specialists of different countries. This is the main goal of the 10th international conference to mark the 75th anniversary of the doctor of physical and mathematical sciences, Professor Zhanabayev Zeynulla Zhanabayevich, to be held in June 2017 in Almaty.

Professor Zhanabayev Z.Zh. Is an ideological inspirer and organizer of at least two significant factors that are important achievements not only for E.A. Buketov Karaganda State University and Kazakhstan in general, but for the entire world scientific community as well.



The first factor is the above-mentioned international conference "Chaos and Structures in Nonlinear Systems. Theory and experiment", which history goes back as more than 20 years. Professor Zhanabayev Z.Zh. is the co-chairman of the organizing committee of all conferences that have been held. He takes an active part, carefully studies all the submitted works, gives valuable recommendations and advice. Thanks to his attitude, the conference "Chaos ..." has gained a truly international scientific prestige. The number of participants in "Chaos ..." as well as the geography of represented universities and scientific centers is constantly growing. As a rule, in recent years at average more than 200 plenary, sectional and poster reports have been discussed annually.

The Eurasian Physical Technical Journal is the second factor that was created and is still working successfully with the active participation of Zeynulla Zhanabayevich. Besides scientific and review articles on current problems of modern physics and technology, the Eurasian Physical Technical Journal traditionally publishes several papers submitted for participation in the international conference "Chaos ...".

Since 2004, the Eurasian Physical Technical Journal published about 300 scientific articles prepared by scientists and young researchers from Kazakhstan, Russia, Ukraine, Belarus, Germany, Hungary, France, Poland, South Korea, Lithuania, Latvia, Malaysia, etc. To all the achievements, the great deal was contributed by the highly regarded member of the editorial board, Professor Zhanabayev Z.Zh.

Professor Zhanabayev Z.Zh. has been working at Al-Farabi Kazakh National University since 1981. He began his career as a teacher. Until 1986 he worked as an assistant professor of the Department of General Physics, since 1986 to 1992 as the head of the Department of Methods of Teaching Physics, since 1992 as Associate Professor, then as Professor of the Department of Thermal Physics and Molecular Physics, since 2000 as the head of the Department of Nonlinear

Physics and Electronics and the head of the Department of Electronics and Nonlinear Physics. At present he is the head of the Laboratory of Nonlinear Physics of the Research Institute of Experimental and Theoretical Physics, the chief research officer of the National Nanotechnology Laboratory of the open type at Al-Farabi Kazakh National University. He is engaged in teaching activities, being the scientific supervisor of projects and dissertations of master students and PhD students.

The main scientific interests of Professor Zhanabayev Z.Zh. are concerned with problems of physics of chaos, information theory, nanoelectronics. He theoretically established information entropy criteria for self-organization, and proposed an equation for the fractal evolution of a measure. Created by Professor Zhanabayev Z.Zh. in the 1990s, the structural theory of hydrodynamic turbulence became truly revolutionary. The developed information-entropy criteria for self-organization of open systems were the beginning of a new scientific field of nonlinear physics, synergetics.

The results of application of the ideas of nonlinear physics to solving the problems of dynamic chaos in radio electronics, electrical and optical properties of nanostructured semiconductors, the dynamics of neural networks have been officially approved at many international conferences and published in international top-rated journals such as "Physica B: Condensed Matter", "Journal of Computational and Theoretical Nanoscience", "Reviews in Theoretical Science", "Physical Review", etc.

Professor Zhanabayev Z.Zh. published more than 300 publications, including published during the last 5 years 200 scientific articles, 11 teaching aids, 2 monographs, 2 patents on nonlinear physics and electronics, nanoelectronics, fractal physics and synergetics. Under his guidance, 3 doctors of sciences, 6 candidates of sciences in physics and mathematics and engineering sciences, 5 PhD students of international level were trained.

Professor Zhanabayev Z.Zh. won the state grant «The best teacher of the year" (2008). Professor Zhanabayev Z.Zh. a top-ranked specialist and an expert with encyclopedic knowledge, he has won a surpassing scientific authority in the field of nonlinear physics. His contribution as a member of the editorial board will further contribute to the establishment of the Eurasian Physical Technical Journal in accordance with modern international requirements. We sincerely wish Zeynulla Zhanabayevich as well as all our redactors, authors and readers good health and innovative achievements!

Respectfully,
Chief Editor, Saule Sakipova
Karaganda, June, 2017