

*Personalia*

## The 75th Birthday of Professor Jurij Kozicki



Professor Jurij Kozicki (a.k.a. Yuriy Kozitsky), a renowned scholar in the field of mathematical backgrounds of statistical physics and dynamical systems, an active member of the Editorial board of the Condensed Matter Physics journal and a member of the Institute for Condensed Matter Physics Supervisory Board, celebrates his 75th Birthday.

Jurij Kozicki was born in Krukiv (now a part of Kremenchuk, Poltava Region, Ukraine), on 21 April 1949. In 1967, he enrolled at the Dept. of Physics of the Ivan Franko Lviv State University. Jurij completed his master's thesis on dynamical properties of ferroelectric crystals with hydrogen bonds, supervised by professor Ihor Stasyuk — an esteemed scientific authority in the field of magnetic, ferroelectric, and optical properties of solids. In 1976, Jurij Kozicki started his PhD studies at the Lviv Department of Statistical Theory of Condensed Systems of the Institute for Theoretical Physics of the Academy of Sciences of Ukraine, supervised by the eminent scientist, founder of the Lviv school of statistical physics, Prof. Ihor Yukhnovskii. After years of intense research and meticulous analysis Jurij defended his PhD thesis entitled “Application of the Method of Collective Variables to the Study of Scalar Models of Phase Transitions” in April 1981. Preceded by a brief stint as a research fellow at the Lviv Division of Statistical Theory of Condensed States, in January 1982 he started to work as the Senior Lecturer at the Chair of Higher Mathematics at the Lviv Institute of Trade and Economics (now Lviv University of Trade and Economics). In two years, he took the position of the head of this chair, and held it for 12 years. In February 1992, Kozicki's scholarship reached another heights when he received a Doctor of Science degree in mathematics by defending the thesis entitled “Laguerre Entire Functions in Problems of Mathematical Physics” at the Institute of Mathematics of the Academy of Sciences of Ukraine. The year 1994 brought yet another milestone in Dr. Kozicki's illustrious career, as he was granted a professorship in mathematics by the Ministry of Education of Ukraine. This recognition was a testament to his unwavering commitment to excellence and his invaluable contributions to the field of mathematical sciences.

Since September 1996 and until now, Jurij Kozicki holds the full professor position at the Institute of Mathematics of Maria Curie-Skłodowska University in Lublin, Poland, alongside with a number of

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administrative appointments. Ten students have successfully defended their PhD theses under his supervision. Prof. Kozicki's fields of activities include mathematical aspects of quantum theory, Gibbs states and phase transitions, Laguerre entire functions, holomorphic maps in infinite dimensional Banach spaces, the stochastic evolution of infinite populations with applications in life sciences, such as modelling of the progression of tumor. His studies of mathematical foundations of theoretical approaches in condensed matter physics provided a reliable background and verification for a number of results obtained phenomenologically. In particular, he provided a rigorous verification of the self-similarity symmetry in the theory of second order phase transitions. The implementation of this concept in the collective variables approach opened up new possibilities for constructing the hierarchical models starting from the lattice models of ferromagnets. He also contributed to quantum statistical mechanics, developed a rigorous theory of evaporation-condensation phase transitions in a number of models with the Curie-Weiss type interaction, proposed and studied a family of hierarchical random graphs based on motifs. Jurij Kozicki is a coauthor of a monograph "The Statistical Mechanics of Quantum Lattice Systems: A Path Integral Approach" published in a prestigious series entitled Trends in Mathematics of the European Mathematical Society, as well as over a hundred publications in highly ranked scientific journals and in collective monographs. Jurij Kozicki was the coordinator/principal investigator of 11 research projects supported by International Science Foundation, DAAD, DFG, KBN and the European Commission. He collaborates with peers in physics and mathematics across different countries, including Ukraine, Poland, Germany, Israel, United Kingdom, Romania, and other countries.

The Editorial board of the "Condensed Matter Physics", colleagues and friends congratulate Prof. Jurij Kozicki on the occasion of his Birthday and wish him prosperity and continued success in his future endeavors.