N. N. Bogoliubov (21.08.1909–13.02.1992)

This issue of the *Journal of Physical Studies* is devoted to the 90th birth anniversary of an outstanding physicist and mathematician Professor Nikolai Nikolaievich Bogoliubov. His seminal results in statistical physics, quantum field theory, theory of elementary particles and fields, mathematical physics and mechanics were to mould the development of these disciplines for a long time placing Professor Bogoliubov in the forefront of those who formed the science of the 20th century.

By publishing this issue of our journal we also want to pay tribute to the strong and long–lasting connections of N. N. Bogoliubov with Ukraine. He worked in the Ukrainian Academy of Sciences in the period of 1925–1973, being the founder and the first director (1966) of the Institute for Theoretical Physics in Kyiv (now: Bogoliubov Institute for Theoretical Physics of the National Academy of Sciences of Ukraine). In 1936–1959 he was a professor of Kyiv University, in 1948 he was elected the Academician of the Ukrainian Academy of Sciences. Not many people in the physical community know that Bogoliubov's famous "Lectures on Quantum Statistics" first appeared in Ukrainian (Kyiv, 1949), the language which was spoken by N. N. Bogoliubov too. There were strong links between Professor Bogoliubov and his students and collaborators in Kyiv, Lviv, Kharkiv, Uzhgorod, Chernivtsi and other scientific centres in Ukraine.

The majority of papers presented in this journal are concerned with the subjects influenced by Bogoliubov's works: microscopic theory of superfluidity and superconductivity, field theoretical renormalization group, scattering theory, general problems of quantum phase transitions theory and quantum statistics. Some papers do not directly refer to Bogoliubov's activity and are rather written in his memory. We thank the authors for responding to our proposal and contributing to this issue and on their behalf as well as in the name of the editorial board of the JPS we want to express a hope that this collection of papers will become a small stone in the monument to a great personality of the 20th century Professor Nikolai Bogoliubov.

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