

## **Congratulation to Professor Andrei Rudskoi on the Occasion of His Diamond Birthday Jubilee**



On 19<sup>th</sup> of February 2017, Chief Editor of Material Physics and Mechanics Journal, Rector of Peter the Great St. Petersburg Polytechnic University, Academician of the Russian Academy of Science, Professor Andrei Rudskoi, celebrates his 60<sup>th</sup> anniversary. A.I. Rudskoi is a recognized and competent scientist in the field of materials science and of metals forming. His notable achievements promote the development of scientific and technical progress.

A.I. Rudskoi significantly contributed to the development of the theoretical foundations and highly efficient technologies for the production of construction materials with high performance and special physicochemical properties. His research interests include theory and modeling of metals forming, powder and composite materials, materials for additive technologies, as well as theory of the formation of ultrafine structures by the means of intensive plastic flow. Likewise, he is passionate about the theory and technology of obtaining nanopowders, nanostructured materials and products by methods of plastic flow and thermomechanical treatment.

Under his leadership, technologies and production equipment of nanopowder metallic, ceramic and composite materials, including those utilizing the method of gas-phase synthesis at atmospheric pressure, have been developed and commercialized by industry. Similarly, manufacturing technologies for nanopowder-based products utilizing processes of nanopowder metallurgy with unique performance properties, have been methodically justified and implemented; theoretical foundations and technologies for intensive plastic flow of metals to produce nanocrystalline structures with high performance and special physicochemical properties had been developed.

Rudskoi's research results are widely used in machine building, instrument-making, chemical industry, as well as the development of specialized equipment and have been introduced in a number of enterprises and research organizations in Russia. Correspondingly, his research had laid foundations for the numerous educational programs in universities in Russia, Germany, Poland and China.

Professor Rudskoi is a chief editor of Material Physics and Mechanics journal and highly contributes into a quality increasing of material science researches. He is a member of the Presidium of the Presidential Council for economic modernization and innovative development in Russia, a member of the Presidium of the Presidential Council on Science and Education. He is a member of several scientific boards and commissions in these areas.

We wish him a long life and success in his endeavors for the benefit of science and education!

Editorial board