
BORIS PATON — LAUREATE OF THE GLOBAL ENERGY PRIZE

The Global Energy Prize was instituted in 2002. The idea of introducing it was put forward by a group of known Russian scientists, supported by the largest energy companies, and approved by the President of Russia. It is one of the most prestigious prizes, which has been awarded annually since 2003 for outstanding scientific achievements in the field power engineering.

On the 18th of June, the President of Russia Dmitry Medvedev in St-Petersburg presented the Global Energy Prize to academicians Boris Paton and Alexander Leontyev. The ceremony took place within the framework of the Petersburg International Economic Forum.

Boris Paton received the honorary award for his «contribution in solving scientific and technological problems of pipeline transport of energy sources and machinery», and Russian scientist Alexander Leontyev — for «fundamental research in the intensification of processes of heat exchange at power installations».

Prof. Boris Paton was recognised to be the prominent research leader by Ukrainian, Russian and world scientists. Upon graduating from the Kiev Polytechnic Institute in 1941 in speciality of electrical engineer, he immediately started working in the defence industry, first at the «Krasnoe Sormovo» plant in Gorky (now Nizhny Novgorod), and then in Kiev at the Electric Welding Institute, which was evacuated to Nizhny Tagil to the Ural Car Building Plant (Uralvagonzavod).



Boris Paton is speaking at the awarding ceremony

By continuing the work of his father, the legendary Evgeny Paton, he made several fundamental inventions in the field of electric welding, took an active part in upgrading and application of high-speed automatic submerged arc welding in tank construction and arms production, and laid the basis for a new scientific direction — automatic control of welding processes. Boris Paton developed a fundamentally new welding method — electroslag welding, which was used to solve the problem of production of unique pressure vessels for heat, nuclear and hydraulic power generation, chemical engineering and manufacture of large-size units of seagoing ships.



The President of Russia Dmitry Medvedev is presenting the Global Energy Prize to academician Boris Paton



Academicians Boris Paton and Alexander Leontyev — laureates of the 2010 Global Energy Prize

As early as 10 years after graduating from the institute, Boris Paton became a corresponding member, after another 7 years — academician of the Ukr. SSR Academy of Sciences, and after another 4 years — academician of the USSR Academy of Sciences.

For 48 years Prof. Boris Paton has been heading the National Academy of Sciences of Ukraine, and since 1993 — the International Association of Academies of Sciences.

«Academician Paton made a vast contribution in all aspects of power engineering, — said Academician Nikolai Laverov, the Vice President of the Russian Academy of Sciences. — His activity plays

an exceptional role in power generation of the CIS countries and, on the whole, in feeding fuel to different countries all over the world. Owing to his work in welding of pipes, the energy is reliably supplied to millions of people».

Results of the research, engineering and organisational activities of Boris Paton are a major contribution to addressing the global problems in power generation, such as pipeline transportation of power supplies, heat, nuclear and hydraulic power engineering, defence industry, and utilisation of non-conventional energy types. The results he achieved are unique in their technical level and scales of application to supply energy to many countries, and serve to improve the human health and habitat.

We are heartily congratulating our dear Boris Evgenievich with a high appraisal of his work, and wishing him strong health, new creative achievements, success and happiness.

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