

Global Energy Foundation Newsletter

March – April 2010



Energy of Kids contest awarding ceremony

- On March, 17th the official awarding ceremony of All-Russian Children's Energy Project Contest titled 'Energy of Kids' took place at Rumiantsevskaya Library (Pashkov's House). The Contest is being held by Global Energy Foundation among children aged from five to seventeen. The main goals of the Energy of Kids Contest are popularizing the key energy concepts among children and youth, shaping a positive and responsible attitude to this area of human activity in their minds, enhancing their creative thinking abilities.
- The respectable jury headed by outstanding Russian animator, People's Artist of Russia Yury Norshtein defined 9 Contest winners from more than 2500 works sent from 270 Russian cities in following categories: literary works of different genres, pictures, computer graphics projects, photographs and amateur videos, miniature models, musical compositions.





ПРЕЗИДЕНТ РОССИЙСКОЙ ФЕДЕРАЦИИ

17 марта 2010 г.

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Москва, Кремль

**Участникам и гостям церемонии награждения
победителей общероссийского конкурса детских проектов
в области энергетики "Энергия детства"**

Рад приветствовать гостей церемонии и поздравить победителей общероссийского конкурса "Энергия детства" с заслуженными наградами.

Ваш форум, впервые проводимый Фондом "Глобальная энергия", собрал тысячи участников из разных регионов страны. И это – прекрасная возможность для юных талантов продемонстрировать мастерство широкой публике. Раскрыть новые грани своего дарования и сделать первые шаги к профессиональному признанию.

Рассчитываю, что конкурс "Энергия детства" и впредь будет подтверждать свой авторитет масштабного и значимого смотра детского художественного и научно-технического творчества. Позволит ребятам получать разнообразные знания о мировой энергетике и роли России в ее развитии.

Искренне желаю всем участникам конкурса успехов, интересного общения, новых друзей и всего самого доброго.

Д.Медведев

In his greetings to participants and guests of the ceremony, President of Russian Federation Dmitry Medvedev said that it was "a great opportunity for young talents to demonstrate their skills to general public, to reveal new sides of their talent and make the first steps to their professional recognition." Greetings were read by Igor Yusufov, Special Envoy of the President of Russia on international energy cooperation.



Nine winners from different parts of Russia were awarded with "Energy of Kids" statuettes, the diplomas and gifts. Winner of the Grand Prix, Anastasia Kochetkova from Bugulma, also received a money prize. In status of the honored guests at the awarding ceremony there were representatives of federal districts, eminent figures in the field of science, art and culture. The awarding ceremony was also attended by students of School of Arts named after M.A. Balakirev, who presented the best musical numbers in classical and modern performance. Yury Vyazemskiy, Professor of MGIMO, was the host of the ceremony.

Global Energy Prize International Award Committee meeting

- The meeting of Global Energy Prize International Award Committee took place in Moscow on April 14th. The best experts in energy field from all over the world elected new laureates of Global Energy Prize. The best candidates for Global Energy Prize 2010 were chosen among dozens of nomination forms sent to Executive Directorate.
- Laureates' names will be officially announced on April 20th at the press-conference in "Interfax" Information Agency. Press-conference participants:
 - **Arkady Dvorkovich**, Aide to the President of Russian Federation
 - **Nikolai Laverov**, Chairman of the International Committee of Global Energy Prize, Vice-president of the Russian Academy of Sciences
 - **Igor Lobovsky**, Chief Executive Officer of Global Energy Foundation
 - **Evgeny Velikhov**, Chairman of the Board of Trustees, Winner of the International Energy prize «Global Energy», President of the Kurchatov Institute.



Global Energy Prize International Award Committee meeting



Announcement of Global Energy International Prize Laureates

- The announcement of Global Energy Prize Laureates took place at the press-conference in “Interfax” Information Agency on April, 20th.

Alexander Leontiev (Russia) received the Prize for "fundamental research in the intensification of processes of heat exchange at power installations."



Evgeny Paton (Ukraine) became the Prize Laureate "for the outstanding contribution to solving of scientific and technological problems of pipeline transport of energy sources and machinery."



This year Prize fund of Global Energy International Prize totals 30 million rubles (\$ 1 million). The awarding ceremony of Global Energy International Prize will take place at the XIV International Economic Forum in St. Petersburg on June, 18th, when the President of RF Dmitry Medvedev presents the Prize to the Laureates.

Alexander Leontiev (Russia).



In 1944 A.I. Leontiev entered the Moscow Aviation Institute. Having finished his studies there in 1950, he began his scientific career in the Laboratory for Thermodynamics of Two-Phase Flows in the Krzhizhanovsky Power Engineering Institute (ENIN).

In 1968 after 10 years of his life and work at Academgorodok, A.I. Leontiev returned to Moscow as the head of laboratory in the mass transfer department of the Institute of High Temperatures of the Academy of Sciences. Simultaneously he worked at the department of gas turbine plants of the Bauman Moscow State Technical University. In 1972 was published the monograph by S.S. Kutateladze and A.I. Leontiev "Heat transfer, mass transfer and friction in turbulent boundary layer" wherein numerous applications of the asymptotic theory were systematically discussed.

For the fundamentals of designing low-head heat-removing systems of ultimate capacity with natural convection, A.I. Leontiev and his colleagues were in 1987 awarded the Polzunov Prize of the USSR Academy of Sciences, one of the most prestigious awards in the field of thermal engineering.

In 1998, A.I. Leontiev was awarded in recognition of his achievements in the field of heat transfer the highly-prestigious Max Jakob Medal instituted by the American Societies of Mechanical and Chemical Engineers. Academician A.I. Leontiev remains to this day an active generator of scientific and technical ideas. He has proposed a method of thermal stratification in supersonic gas streams which served as a basis for the invention protected by patents for a device with the name: "Apparatus for machine-free temperature stratification of gas (Leontiev Tube)".

A.I. Leontiev is the author of more than 300 scientific publications, inventions and patents as well as of ten monographs and textbooks. He has prepared more than 120 PhDs and about 25 ScDs.

Since 1994 A.I. Leontiev has been a member of the Scientific and Executive Committees of the International Centre of Heat and Mass Transfer, from which organization he received a Fellowship Award in 1994 and the A.V. Lykov Medal in 2002 for his achievements in the field of heat and mass transfer as well as for the development of international contacts. In 2008, he was elected a Foreign Member of the US National Academy of Engineers.

Boris Paton (Ukraine).



Boris Paton was born on the 27th of November 1918 in the family of Evgeny Oskarovich Paton, professor of the Kiev Polytechnic Institute. In those years Evgeny Paton was a well known expert in the area of bridge construction and chaired the bridge faculty. He was the author of original bridge designs and engineering structures, and was in charge of their construction.

In 1941, Boris Paton graduated from the Kiev Polytechnic Institute and was assigned to the "Krasnoe Sormovo" plant in Gorky. In the following year he was appointed to the Electric Welding Institute, which was evacuated at that time to the Uralvagonzavod Plant in Nizhnij Tagil. It was that famous Plant where in 1942 B.E. Paton started his manufacturing and scientific activity. From then, for 11 years, Boris Paton was working together with his father; those were the years of his growth as a scientific worker and researcher, and then a leader of a large scientific team.

Boris Paton was working fruitfully on completing investigations associated with the conditions of stable arcing and regulation of the arc. He successfully defended his theses for a doctor of technical sciences degree dedicated to this subject, and was elected a Corresponding Member of the Academy of Sciences of the Ukrainian SSR.

In 1950, Boris Paton was appointed to the post of Deputy Director of the Institute on scientific work, and in 1953, after the death of Evgeny O. Paton, he became the Director of the E.O. Paton Electric Welding Institute of the Academy of Sciences of the Ukrainian SSR.

Professor Paton is head of the chairman of International Association Welding, president of the International Association of Academies of Sciences, honorary president of the International Engineering Academy, member of the European Academy and the International Academy of Technological Sciences, an honorary of the International Academy of Science, Education, Industry, and Art, International Astronauts Academy and Roman Club as well as a foreign member of scientific and technical societies of many countries. He is also a member of the International Committee on Scientific and Technical Development of the CIS countries, head of the Inter-State Scientific Council on Welding and related technologies, chairman of the Coordination Council of Inter-State Program "Highly Reliable Pipeline Transport," a member of the board of directors of the International Fuel-Power Association and board of trustees of the International Foundation of Nuclear Safety.

Photo report of the press-conference on Global Energy Prize 2010 Laureates announcement



Evgeny Velikhov, Chairman of the Board of Trustees, Winner of the International Energy prize «Global Energy», President of the Kurchatov Institute.



Arkady Dvorkovich, Aide to the President of Russian Federation



Nikolai Laverov, Chairman of the International Committee of Global Energy Prize, Vice-president of the Russian Academy of Sciences.



Igor Lobovsky, Chief Executive Officer of Global Energy Foundation.



Happy Birthday!

- March, 2nd – **Mikhail Gorbachev**, Nobel Peace Prize Laureate, President of the International Public Foundation for Socio-Economic and Political Studies (Gorbachev Foundation)
- March, 15th – **Zhores Alfyorov**, Vice-President of RAS, Global Energy Prize 2005 Laureate
- March, 20th – **Mikhail Epov**, member of Global Energy Prize International Award Committee
- March, 23rd – **Robert Aymar**, Global Energy Prize 2006 Laureate, member of Global Energy Prize International Award Committee
- March, 26th – **Arkady Dvorkovich**, Aide to the President of RF, member of Global Energy Prize Board of Trustees
- March, 30th – **Leonard J. Koch**, Global Energy Prize 2004 Laureate
- April, 3rd – **Alexey Mastepanov**, member of Global Energy Prize International Award Committee
- April, 9th – **Baldev Raj**, member of Global Energy Prize International Award Committee
- April, 18th – **Valentin Parmon**, member of Global Energy Prize International Award Committee

