

## **IVth MINSK INTERNATIONAL FORUM ON HEAT AND MASS TRANSFER**

On May 22–26, 2000, Minsk (Academic Scientific Complex "A. V. Luikov Heat and Mass Transfer Institute" (ASC HMTI) of the National Academy of Sciences of Belarus) hosted for the eleventh time scientists and specialists working in the field of research of the phenomena and processes of heat and mass transfer and their practical applications.

The forum was dedicated to the 90th anniversary of the birth of A. V. Luikov, on whose initiative these meetings of scientists began in 1961 as All-Union conferences and, being held every four years since then, have become known and acknowledged worldwide, which is reflected in their current name, "Minsk International Forum on Heat and Mass Transfer" (the I<sup>st</sup> Forum was held in 1988, the II<sup>nd</sup> in 1992, and the III<sup>rd</sup> in 1996).

Convening the regular forum, its organizers (National Academy of Sciences of Belarus, State Committee on Science and Technologies of the Republic of Belarus, Ministry of Education of the Republic of Belarus, "Belénergo" Concern, ASC HMTI, Division of Physicotechnical Problems of Power Engineering of the Russian Academy of Sciences, National Committee on Heat and Mass Transfer of the Russian Academy of Sciences, Ministry of General and Professional Education of the Russian Federation, Institute of Technical Thermal Physics of the National Academy of Sciences of Ukraine, International Heat and Mass Transfer Center) understood its importance and significance, above all for scientists from the countries of the Commonwealth of Independent States, the state of whose science is currently in a difficult situation.

The interest and enthusiasm among scientific and technical workers with which the information on convening the forum was received confirmed the correctness of the decision made.

At two plenary sessions, 10 reports of leading scientists of the Republic of Belarus, Russia, Ukraine, and the USA were heard. To eleven sections, 556 papers and presentations were submitted; among them, 87 papers were presented to the section "Convective Heat and Mass Transfer," 36 to "Radiative and Combined Heat Transfer," 78 to "Heat Conduction and Problems of Optimization of Heat Transfer," 48 to "Heat Transfer in Chemically Reacting Systems," 73 to "Heat and Mass Transfer in Two-Phase Systems," 40 to "Heat and Mass Transfer in Disperse Systems," 34 to "Heat and Mass Transfer in Rheological Systems," 31 to "Heat and Mass Transfer in Capillary-Porous Bodies," 30 to "Heat and Mass Transfer in Processes of Drying," 69 to "Heat and Mass Transfer in Power-Generating Devices," and 30 to "Heat and Mass Transfer in Chemical-Technology Devices."

During the forum, four round tables were organized: "Heat Pipes," "Combustion and Chemical Technologies in the 21st Century," "Heat and Mass Transfer in Biological Systems," and "Heat Transfer and the Environment."

The forum was attended by 318 scientists, including 180 scientists from Russia, 72 from Belarus, 23 from Ukraine, 13 from Lithuania, and 9 from countries far abroad.

Section papers were received practically from all the states of the former Soviet Union. Russia was represented by 312 papers and presentations, Belarus by 108, Ukraine by 75, Kazakhstan by 11, Tajikistan by 3, Azerbaijan by 1, Uzbekistan by 1, and the countries far abroad by 43 (including 11 papers from Lithuania and 4 from Latvia).

---

Academic Scientific Complex "A. V. Luikov Heat and Mass Transfer Institute," National Academy of Sciences of Belarus, Minsk, Belarus. Translated from *Inzhenerno-Fizicheskii Zhurnal*, Vol. 74, No. 4, pp. 3–4, July–August 2001.

Apart from the investigations of the leading scientific centers of Russia (Institute of High Temperatures of the Russian Academy of Sciences, Institute of Mathematical Modeling of the Russian Academy of Sciences, Institute of Thermal Physics of the Siberian Branch of the Russian Academy of Sciences, Physics and Power Engineering Institute, and others), Ukraine (Institute of Technical Thermal Physics of the National Academy of Sciences of Ukraine, Institute of Problems of Mechanical Engineering of the National Academy of Sciences of Ukraine), Belarus (Heat and Mass Transfer Institute of the National Academy of Sciences of Belarus, Institute of Problems of Power Engineering of the National Academy of Sciences of Belarus), university science was represented rather widely at the forum.

By the beginning of the forum, 11 volumes of papers and presentations (on the topics of the sections) and "Annotations of the Papers and Presentations" in the English language had been published; the latter can be found on the Internet (just as the program of the forum).

Plenary and problem papers (not included in the section volumes) and also proceedings of the round tables are published in the present special issue of the "Inzhenerno-Fizicheskii Zhurnal."

The participants of the forum noted that its organizers were able, despite the challenge of our times, to preserve the high creative and organizational level inherent in the Minsk Forum and expressed hope for this forum of scientists to continue in the future.

*N. V. Pavlyukevich and I. G. Gurevich*