

## INTERNATIONAL CONFERENCE «WELDING AND RELATED TECHNOLOGIES — PRESENT AND FUTURE»

On December 5–6, 2018 in Kiev at the conference-centre «DEPO» a representative International Conference «Welding and Related Technologies – Present and Future» was held, organized by the National Academy of Sciences of Ukraine, the E.O. Paton Electric Welding Institute, the International Institute of Welding and the International Association «Welding». The Conference was dedicated to the 100<sup>th</sup> anniversary of the National Academy of Sciences of Ukraine. In it more than 200 representatives of academic institutes, branch research institutes, universities, scientific, design and engineering centers, industrial and commercial enterprises, chiefs and managers of business structures, etc. took part. Among the Conference participants the foreign scientists from Austria, Bulgaria, Great Britain, Germany, Georgia, Israel, Kazakhstan, Canada, China, Poland, Slovakia and Switzerland participated. Among the honored

guests of the Conference, Ms. Cecile Mayer, Executive Director of the International Institute of Welding, was present.

The beginning of the Conference was preceded by a musical greeting from the string ensemble «Kyiv Soloists» and greetings of Academician A.G. Naumovets, Vice-President of the NAS of Ukraine and Mr. Liao Bing, President of the Academy of Sciences of Guangdong Province (China).

During December 5 and the first half of December 6, 18 reports of scientists on the most important scientific and applied achievements in recent years in the field of welding and related technologies, as well as long-term development of these directions were presented and discussed at the plenary sessions.

Among the speakers there were well-known scientists Liao Bing (China), U. Reisgen (Germany), A. Pietras (Poland), L. Gelman (Great Britain), S.I. Kuchuk-Yatsen-





ko (Ukraine), L.M. Lobanov (Ukraine), I.V. Krivtsun (Ukraine), V.T. Nazarchuk (Ukraine), S. Keitel (Germany), J. Kleiman (Canada), M. Beloev (Bulgaria), V.V. Kvasnitsky (Ukraine), N. Enzinger (Austria), F. Kolenic (Slovakia), I.S. Gakh, Z.T. Nazarchuk, V.M. Nesterenkov, S.V. Akhonin (Ukraine).

The plenary report of B. E. Paton «Modern achievements and developments of the E.O. Paton Electric Welding Institute in the field of welding and related technologies» was presented by L. M. Lobanov.

On December 6, in parallel with the main reports of the Conference, at the youth section «Welding and related technologies» the reports of young specialists were presented.

On the afternoon of December 6, in the reading hall of the E.O. Paton Electric Welding Institute over 150 poster reports were presented. The exposition included the following sections:

- technologies, materials and equipment for welding and related technologies (52 reports);
- strength, stress-strain state, nondestructive testing, technical diagnostics (30 reports);
- surface engineering (28 reports);
- ecology, welding in medicine, new materials, certification and standardization of welding production (15 reports);

- section of young specialists (27 reports).

The exchange of opinions in discussing the scientific information was mutually beneficial.

By the beginning of the Conference, the plenary reports were published in the form of paired issues of the journal «Аvtomaticheskaya Svarka» (Nos 11–12, 2018) and «The Paton Welding Journal» (Nos 11–12, 2018), and also in the Proceedings of the poster reports.

During the Conference, its participants were given the opportunity to familiarize themselves with the updated exposition of the demonstration hall of the E.O. Paton Electric Welding Institute.

Also, on December 6, the XX Council of the International Association «Welding» was held, at which the results of the work of the Association for the reporting period and the directions of future works were discussed. By the decision of the IAW Council, the authorities of Academician B.E. Paton, the President of the IAW Council and Dr. A.T. Zelnichenko, the IAW Director, were prolonged until 2020.

On December 7, for the participants of the Conference from Bulgaria and Poland a trip to the plant of the Company «Vita Polis» (Boyarka town, Kiev region) was organized, where they familiarized themselves with the production of welding wires of stainless and special steels, which were not previously produced in Ukraine.

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