

VISIT OF SPECIALISTS OF THE LANZHOU UNIVERSITY OF TECHNOLOGY (PRC) TO THE PWI

In the period of March 18–25, 2018, on the official invitation of the PWI authority, a delegation of welding specialists of the Lanzhou University of Technology (LUT) as well as the enterprise Lanshi visited the PWI. That was already a repeated visit followed after the earlier visit of the PWI by the LUT management. The delegation included Dr. Yu Shi and Dr. Ding Fan, the well-known scientists in China in the field of welding.

At the beginning of the meeting L.M. Lobanov, the Deputy Director of the Institute, Academician of the NASU, acquainted the guests with the history, achievements and main directions in the activities of the E.O. Paton Electric Welding Institute. Then the delegation visited the demonstration hall of the Institute, where

- development and creation of automatic expert systems for technical diagnostics of loaded parts, objects and structures (supervisor — A.Ya. Nedoseka);
- mathematical modeling in the field of evaluation of the residual life of welded structures operating under the conditions of static and dynamic loads (supervisor — O.V. Makhnenko);
- development of new welding consumables (supervisor — V.V. Golovko);
- development of plasma welding technologies, hybrid and combined processes, as well as plasma cutting (supervisor — V.N. Korzhik);
- development of equipment and technologies for welding of live tissues (supervisor — G.S. Marinsky).



During the meeting at the E.O. Paton Electric Welding Institute

it studied the main directions of the Institute research works and the results of their practical application.

Further, the Chinese specialists were offered an extensive program of a deeper acquaintance with the scientific and practical activities of the Institute in separate areas. The presentations on the following directions were heard:

- development, mathematical modeling and application of highly effective processes of activated TIG and plasma welding, including welding over the active flux layer and welding with high-frequency modulation of welding current by programmed pulses. The demonstration of welding equipment and technologies was carried out (supervisor of the works — I.V. Krivtsun);
- development and application of highly effective processes for welding titanium alloys, including a narrow gap welding (supervisor — S.V. Akhonin);
- development of detonation spraying equipment and technology (supervisor — Yu.N. Tyurin);

The Chinese specialists were provided with information about the publishing activities of the E.O. Paton Electric Welding Institute, which was presented by A.T. Zelnichenko.

At the final meeting with the specialists of the People's Republic of China, a closing conversation was held with the participation of I.V. Krivtsun, Deputy Director, Academician of the NASU, at which the supervisors of the works on the directions were also present. As a result of joint discussions, the Protocol on the visit of the Chinese experts to the E.O. Paton Electric Welding Institute, as well as the Agreement on joint cooperation (exchange of specialists, joint research projects, search for customers by the Chinese part and support for the PWI developments implemented at the industrial enterprises in China) were signed.

On the invitation of the Chinese part in October of 2018, a delegation of specialists of the E.O. Paton Electric Welding Institute will visit the Lanzhou University of Technology.

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