

# “WELDING OF PLASTIC MATERIALS” INTERNATIONAL CONFERENCE

By Anna Zaitseva

Executive Secretary, Association of Welders of plastic materials

“Welding of plastic materials 2015” International scientific and practical conference took place on 5 February 2015 at Crocus Expo Exhibition Centre within the framework of Aqua-Therm Moscow.

The Association for Plastic Material Welders (AWPM) was the organiser of the event. Over 120 specialists from most of the regions of the Russian Federation and from foreign countries took part in the conference. They represented pipe production companies and providers of pipeline fabrication and erection services, R&D institutes, regulatory bodies, technical committees, The National Welding Control Agency (NAKS), non-commercial partnerships, as well as the largest State Unitary Enterprises of Moscow city and of Moscow region such as Mosgaz, Mosvodokanal, Mosoblgaz. There were more than 20 presentations made at three sessions for specialists working with various polymeric products.

Elena Zaitseva, Director of AWPM, opened the conference with a report on the work of AWPM. In her address she also emphasized the importance of development of new technologies as well as of regulatory and technical documentation in plastic welding.

Inessa Safronova, a member of AWPM told the conferees about possibilities of applying of international and regional standards on welding in Russia.

Alexander Chuprak, Technical director of NAKS and the Executive Secretary of TK 364 touched upon problems related to standardization in the field of welding and allied processes and to professional standards development.

The most interesting presentations in “Welding of Plastic Pipeline Systems”



session were made by Vladimir Kimelblat, Professor of Chemistry and technology of elastomers processing, department, Kazan National Research and Technology University; Vladislav Kovriga, Professor, R&D Director, POLYMERTEPLO; Natalia Biserova, leading technologist, Technological Department, POLYPLASTIC R&D Institute. The said presentations were devoted to problems and specifics of plastic welding and new methods of control of mechanical properties of welded joints.

Olga Amossova, Ph.D. Eng. Sci., Research Officer, Institute of Oil and Gas Problems of the Siberian Branch of the RAS, presented the results of a study on possibilities of welding of plastic pipes at low temperatures. The Institute has developed a scientific basis for solving a problem of welding of PE gas pipes in low temperatures and technical solutions to ensure welding process parameters.

The Leading manufacturers and dealers of welding equipment and fit-

tings presented their new studies and shared their unique experience in practical application of modern welding technologies. Alexander Zhukov, General Director, “ADR-Technologiya”, gave the detailed description of physical processes in pipes, fittings and welding equipment during electrofusion welding.

Apart from discussions on issues of welding of pipeline systems, proper attention was given to issues related to the use of plastic sheets, films and geomembranes.

Specialists from St. Petersburg spoke about Russia’s experience in installation of geomembranes. It was especially stressed that strict observance of technology in respect of the use of rolled materials also implies the validity of engineering solutions, the quality of materials used and the quality of welding works. In his turn, Michael Ditrich, a representative of WEGENER, Germany, made a report on foreign experience and modern technical solu-

tions related to design and production of plastic sheet, film and geomembrane welding machines.

Discussions and networking continued during round-table meetings, personal talks and coffee breaks.

In the judgment of conference participants, the conference was characterised by a high level of organization, which led to a real success. The main goal was achieved as the conference managed to attract attention of a wide audience of specialists to actual problems and achievements in the field of plastic welding; to practical application of updated norms and standards as well as of the best welding technologies to promote successful development of industries that produce and use polymers.

Presentations from the conference are available on [www.a-spm.ru](http://www.a-spm.ru) on Useful Information page of the website.

