



## Conference “High-end technologies and materials in foundry practices” held by Moscow AVANGARD plant

On November 20 and 21, 2019, the first all-Russian scientific and practical conference “High-end technologies and materials in foundry practices” was held. In the course of the event, 20 papers on the current state and development prospects of the domestic and international foundry practices were heard.

The conference was organised by the Moscow Machine-Building Plant AVANGARD (MMZ “AVANGAD”, JSC), with the support of “Almaz – Antey” Air and Space Defence Corporation, and became the venue for experience exchange by the experts of the leading enterprises of the defence and metal industry, universities, and metallurgical research institutes of Russia.

Within the conference framework, the participants got an insight into the results of research and development works, such as:

- samples of the developed and serially produced alloys;

- instruments and means for quality control and production management;
- serial technologies for obtaining high quality castings and billets.

Drawing from the conference outcomes, a resolve was adopted to continue the efforts on improving process technologies for production of castings of magnesium, aluminium, and other alloys at the MMZ “AVANGAD”, JSC, as well as to create a foundry- and metalwork-oriented engineering and technical competence centre at the plant for training and professional development of mid-ranking specialists and blue-collar workers of certain professions involved in the foundry and metalworking processes.

The conference presentations are included in this issue of the Journal as scientific and technical papers.