

Preface

International Russian Conference on Materials Science and Metallurgical Technology has taken place on September 21-23, 2021.

The conference was carried out under the financial support of the South Ural State University (national research university). The conference was organized to maintain discussion and the presentation of research papers, summarizing research in technical disciplines in universities, research institutes, large industrial enterprises, scientific and industrial associations of the Russian Federation and the World, as well as foreign authors, and research results obtained on the personal initiative of the authors. The conference was aimed to exchange information between scientists and practitioners of the most promising research areas and achievements in material science, metallurgy, and materials processing technologies.

The conference was organized in 7 sections, including:

1. Materials: design, synthesis and characterization;
2. Technologies of pyrometallurgical and electrometallurgical production;
3. Technologies of hydrometallurgical production;
4. Modern problems of foundry production;
5. Metal forming: rolling, stamping, forging, pressing;
6. Technologies of welding production;
7. Additive manufacturing.

The spread of the coronavirus COVID-19 has made adjustments to our lives this year, including the organization of our conference. Participants could take part in the conference in a traditional face-to-face format and remotely as the video conference format.

The organizing committee would like to express our sincere appreciation to everybody who has contributed to the conference. Heartfelt thanks are due to authors, reviewers, participants, and all the organizers for their support and enthusiasm, which granted success to the conference.

Conference Chair, prof. Andrey A. Radionov.

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