



V International Conference and School "Advanced High Entropy Materials"

October 09-13, 2023 г.

Belgorod State National Research University
State Marine Technical University
Siberian State Industrial University

FIRST CIRCULAR

Dear Colleagues!

We invite you to participate in the work of the conference and school "Advanced High Entropy Materials", which is planned to be held on 09-13 October 2023.


Main topics

- 1) High-entropy metallic materials: structure, mechanical, and functional properties.
- 2) Structure and properties of non-metallic high-entropy materials: ceramics, coatings, etc.
- 3) Advanced metallic and non-metallic materials and their applications.
- 4) Additive and laser technologies, and other methods for processing of advanced materials.
- 5) Theoretical and computational prediction of the structure and properties of advanced materials.

Round tables devoted to the discussions of the most cutting-edge problems of new materials development will be held. The participation of young scientists and specialists is especially welcomed.

The school will be supported under Russian Science Foundation grant No. 19-79-30066 "Advanced alloys and technologies for the aerospace industry". Additional support through "Priority 2030" program of Saint Petersburg State Marine Technical University (project: Industrial Digital Technologies) is gracefully acknowledged.

Venue

 St. Petersburg, Marshala Zhukov Ave., 44, Congress Center of St. Petersburg State Marine Technical University



Key dates

- ✓ July 15th, 2023 – registration and acceptance of abstracts
- ✓ August 15th, 2023 – confirmation of participation in the conference;
- ✓ September 1st, 2023 – the second circular, the draft of the conference program;
- ✓ October 1st, 2023 – the final program of the conference.

Terms of participation

Participation in the conference does not require any fee. The work of the conference in a mixed format – offline and online. There will be a competition for the best scientific report presented by young scientists. The winners and participants of the competition will be awarded with diplomas and certificates. The languages of the conference are *English* and *Russian*. The abstracts and presentationslides should be in English. Conference abstracts will be published and sent for indexing in the RSCI database (elibrary.ru). The selected reports will be recommended for publication in: *Izvestiya vuzov. Chernaya metallurgiya (Scopus, RSCI)*, *Fundamental'nye problemy sovremennogo materialovedeniâ. (RSCI)*, *Vestnik Sibirskogo gosudarstvennogo industrial'nogo universiteta. Universities' proceedings. Non-ferrous metallurgy (RSCI)*, *Proceedings of higher schools. Powder metallurgy and functional coatings (Scopus, RSCI)*, *Physical Mesomechanics (Scopus, RSCI)*

Registration

Registration of participants and submission of abstracts is carried out on the conference website (<http://shea.bsu.edu.ru/shea/2023/en>) – July 15th 2023.

The program committee has sole rights to select abstracts for the conference.

Co-chairmen of the conference

G.A. Turichin, *Doctor of Sciences, rector of Saint Petersburg State Marine Technical University, Head of Institute of Laser and Welding Technologies*

G.A. Salishchev, *Doctor of Sciences, Professor, Head of the Laboratory and Professor of the Department of Materials Science and Nanotechnology, Belgorod State National Research University*

Program committee

A.A. Rempel, Academician of the Russian Academy of Sciences, Professor, Doctor of Sciences, Director, Institute of Metallurgy, RAS Ural Branch;

M.I. Alymov, Corresponding Member of Russian Academy Of Sciences, Doctor of Sciences, Professor, Director of Merzhanov Institute of Structural Macrokinetics and Materials Science, Russian Academy of Sciences (ISMAN);

A.V. Makarov, Corresponding Member of the Russian Academy of Sciences, Doctor of Sciences, Head of the Department of Materials Science and the Laboratory of Mechanical Properties, Institute of Physics of Metals, RAS Ural Branch;

V.N. Sanin, Doctor of Sciences, Chief Researcher, Merzhanov Institute of Structural Macrokinetics and Problems of Materials Science, RAS;

S.V. Zherebtsov, Doctor of Sciences, Professor, Leading Researcher, Department of Materials Science and Nanotechnology, Belgorod State National Research University;

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S.V. Kononov, Doctor of Sciences, Professor, Vice-Rector for Research and Innovation, Siberian State Industrial University.

Organizing committee

I.V. Kireeva, Doctor of Sciences, Professor of the Department of Physics of Metals and Head of the Laboratory of Physics of High-Strength Crystals, Siberian Institute of Physics and Technology, National Research Tomsk State University;

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S.A. Uporov, Ph.D., Senior Researcher, Laboratory of Statics and Kinetics of Processes, Institute of Metallurgy, RAS Ural Branch;

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Head of the Department of Electron Microscopy of the Center for Collective Use "Testing Center for Nanotechnologies and Advanced Materials", Institute of Metal Physics, RAS Ural Branch;

A.V. Pervikov, Ph.D., Researcher, Physical Chemistry of Highly Dispersed Materials Laboratory, Institute of Strength Physics and Materials Science, RAS Siberian Branch;

O.G. Klimova-Korsmick, PhD, Head of Materials Science Group in Institute of Laser and Welding Technologies, Saint Petersburg State Marine Technical University;

S.A. Evlashin, PhD, Assistant Professor, SKOLTECH.

Local committee

M.S. Tikhonova, Ph.D., Head of the Department and Senior Researcher, Department of Materials Science and Nanotechnology, Belgorod State National Research University;

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