



**VI School of Young Scientists
"Advanced High Entropy Materials"**

October 02-03, 2024 г.

Belgorod State National Research University
State Marine Technical University

FIRST CIRCULAR

Dear Colleagues!

We invite you to participate in the work of the School of Young Scientists "Advanced High Entropy Materials", which is planned to be held on 02-03 October 2024.

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.

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".

Venue

Format of the School of Young Scientists – online

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



Key dates

- ✓ August 15th, 2024 – registration and acceptance of abstracts
- ✓ September 1st, 2024 – confirmation of participation in the conference;
- ✓ September 13th, 2024 – the second circular, the draft of the conference program;
- ✓ September 26th, 2024 – the final program of the conference.

Terms of participation

Participation in the conference does not require any fee.

The conference is held online.

The languages of the conference are English and Russian. The abstracts and presentation slides should be in English. Conference abstracts will be published and sent for indexing in the RSCI database (<https://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 (<https://shea.bsuedu.ru/2024/en/>) – August 1th, 2024

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;

E.A. Trofimov, Doctor of Sciences, Professor of the Department of Materials Science and Physicochemistry of Materials, National Research South Ural State University;

E.G. Astafurova, Doctor of Sciences, Associate Professor, Head of the Laboratory of Physics of Hierarchical Structures in Metals and Alloys, Institute of Strength Physics and Materials Science, RAS Siberian Branch;

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

Organizing committee

D.O. Moskovskikh, Ph.D., Director, Research Center "Structural Ceramic Materials", National Research Technical University (NUST "MISiS");

N.D. Stepanov, Ph.D., Senior Researcher, Laboratory of Bulk Nanostructured Materials, Belgorod State National Research University;

N.A. Belov, Doctor of Sciences, Professor of the Department of Metal Forming, National Research Technical University (NUST "MISiS");

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

K.S. Tuchina, Engineer, Laboratory of Bulk Nanostructured Materials, Belgorod State National Research University;

E.A. Povolyaeva, Researcher, Laboratory of Bulk Nanostructured Materials, Belgorod State National Research University;

E.V. Zemlyakov, Ph.D., Vice-director of Institute of Laser and Welding Technologies, Saint Petersburg State Marine Technical University;

M.O. Gushina, PhD, Head of Materials Testing Department in Institute of Laser and Welding Technologies, Saint Petersburg State Marine Technical University;

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