

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY MISIS
(NUST MISIS)

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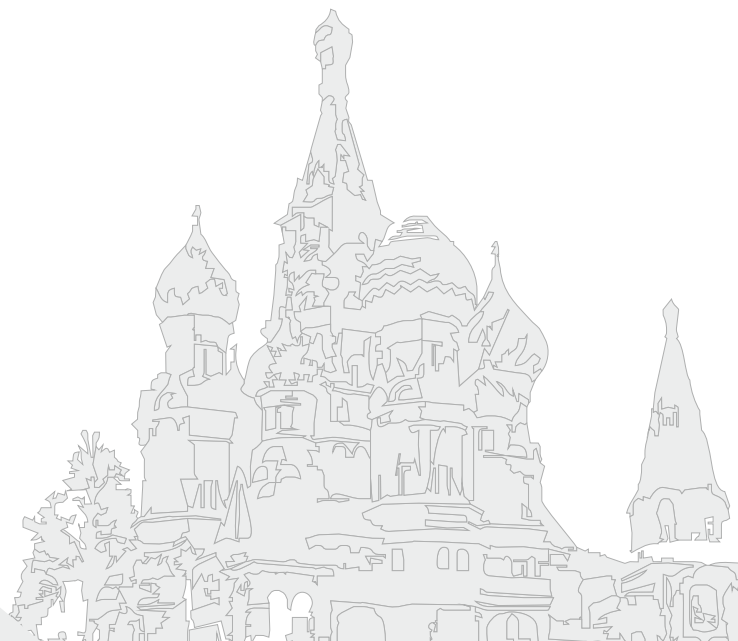
Profound knowledge and
expertise in Metallic Materials
structure and properties

Extensive training in practical
research and problem solving

New materials and technology
development

Modern software tools for
metals and alloys processes

Forecasting properties and
structure



Advanced Materials Science

ADVANCED METALLIC MATERIALS AND ENGINEERING

Communications and International
Public Relations

Computer Vision

Inorganic Nanomaterials

Multicomponent nanostructured
coatings. Nanofilms

Nanotechnology and Materials for
Micro- and Nanosystems

Quantum Physics for Advanced
Materials Engineering

Science and Materials of Solar
Energy

Welcome!



Welcome to the National University of Science and Technology MISiS!

Here you will receive a highly competitive education and practical skills as well as enjoy the friendly and enthusiastic atmosphere of students and a young researcher community. In addition to your studies, you can participate in the numerous exciting extra-curricular activities we offer: sports, theater, music, and more.

We are located in the very heart of Moscow – close to all of its wonders and cultural treasures, granting you convenient access to the historic places of Tolstoy and Dostoyevsky. Plus, intensive Russian language courses are included in our master's programs to help you get the most from your stay and studies in Russia.

Faculty

Prof. **Igor S. Golovin**, Ph.D & D.Sc.

Member of Editorial Boards of Journals Solid State Phenomena (TTP, Switzerland), Journal of Metallurgy (Hyundai Publishing Corporation). Researcher and lecturer at the Ecole polytechnique fédérale de Lausanne (Switzerland), Technical University of Braunschweig (Germany), Cambridge University (UK), Universitat de les Illes Balears (Spain).



Prof. **Vadim S. Zolotarevskiy**, Ph.D & D.Sc.

Member of American Society of Materials (USA). Member of Editorial Board of Russian Journal of Nonferrous Metals, Lecturer at the Ohio State University (USA). Tsinghua University (China), Principal Investigator of research projects for Alcoa (USA), EADS and Audi AG/Volkswagen (Germany), Mitsubishi (Japan).



Prof. **Alexander G. Rakoch**, Ph.D & D.Sc.

Lecturer at Korean Polytechnic University (Korea Republic), Principal Investigator of research projects for EADS (Germany) and Seok Hwa Hi Tech Co., Ltd (Korea Republic).



Program

Inspired by heritage of Prof. Bochvar, founder of the super plasticity effect, founder and first Chairman of the Department of Physical Metallurgy of Nonferrous Metals, the program is focused on practical competences for further career development in applied research and engineering. It provides a unique opportunity for meaningful research and achievements along with academic training, supervised by our leading scientists. Profound training in all modern scientific and applied research issues of Metallic Materials includes:

- Information Technology in Physical Metallurgy
- Thermodynamic Computation and Analysis of Phase Diagrams of Multicomponent Systems
- Metallic Materials Development
- Corrosion and Protection of Metallic Materials
- Functional Metallic Materials: Structure, Properties, Applications
- Advanced Technologies of Metallic Materials Production
- Thermal and Thermomechanical Treatment of Special Steels and Alloys, and
- Modern Equipment and Techniques for Metallic Alloys Structure and Properties Study

Skills and career opportunities

The Department's alumni pursue successful careers in space/aircraft and automotive industries, metallurgy, new materials design in Russia, Europe, USA, China and other countries.

Throughout the program students are welcome to participate in research projects for our local and international customers: Russian Aluminum Inc., Ilyushin Aircrafts JSC, Alcoa, European Aeronautic Defense and Space Company (EADS), Audi AG, Volkswagen Group and others.