

RUSSIAN-GERMAN SEMINARE

within the framework of the implementation of the "Russian-German Roadmap for Cooperation in Education, Science, Research and Innovation"
Large Research Infrastructures

Date and time: December 17, 2021, 14.00 - 18.00 (Moscow time)

Venue: NUST MISIS, Science Cluster:

Moscow, Leninsky Prospekt, 4, B-2,

Working language: Russian and English (synchronous interpretation)

Participation format: full-time/online

Format: seminar

The purpose of the event: discussion of the current interaction of countries in the field of creation and operation of large research infrastructures and the development of joint proposals for the development of cooperation in this area.

Description of the event: intensive scientific cooperation between scientists from Russia and Germany has determined the need for joint participation of countries in the creation and operation of large research infrastructures that ensure the conduct of unique scientific research. In particular, the European X-ray laser XFEL was built and put into operation in Hamburg by joint efforts, and the European Center for the Study of Ions and Antiprotons FAIR is being set up in Darmstadt. A search is underway for the format and conditions for the participation of the German side in the creation of the International Center for Neutron Research on the basis of the PIK reactor complex (International Center for Neutron Research based on the PIK Reactor) and its subsequent joint scientific operation.

At the same time, the success of such infrastructural facilities is associated with the tasks of developing and supporting the scientific and expert community, which is able to take advantage of the unique experimental capabilities of the facilities under construction to solve certain scientific problems.

The involvement of more scientists in these areas, including young researchers, is an important area of cooperation in the development of large research infrastructures.





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13:30– 14:00 Registration of participants and guests of the event
Welcome coffee

14:00 – 14:20 Opening (*Welcome words*)

- **Alevtina Chernikova**, Rector of NUST MISIS
- **Natalya Bocharova**, Deputy Minister of Science and Higher Education of the Russian Federation (*tbc*);
- Representative of the German Federal Ministry of Education and Research (BMBF) (*tbc*);
- **Mikhail Kovalchuk**, President of the National Research Center "Kurchatov Institute" (*tbc*);
- The German Academic Exchange Service (DAAD) и German Center for Research and Innovation (DWIH) (*tbc*);

14:20 – 17:00 Complementarity of large research infrastructures in Russia and Germany

14:20 – 15:20 I. Current status and development plans of the infrastructure landscape in Russia and Germany

Moderators:

Russian side: **Mikhail Rychev**, special Representative of the National Research Center "Kurchatov Institute" in European international scientific organizations

German side: **Sergey Molodtsov**, scientific Director of the European X-ray Free Electron Laser European XFEL, Professor, Doctor of Physics and Mathematics

Questions:

- Plans for the development of large research infrastructures;
- Research opportunities for scientists from Russia and Germany;
- Russian-German cooperation in the framework of the implementation of large infrastructure projects.





- **Grigory Trubnikov**, Director of the Joint Institute for Nuclear Research (JINR), Doctor of Physics and Mathematics, Academician of the Russian Academy of Sciences(*tbc*);
- **Sergey Molodtsov**, Scientific Director of the European X-ray Free Electron Laser European XFEL, Professor Dr.
- **Mikhail Rychev**, special Representative of the National Research Center "Kurchatov Institute" in European international scientific organizations
- **Paolo Giubellino**, scientific Managing Director of the European Center for Ion and Antiproton Research (FAIR) and GSI, Professor, Ph.D. (*tbc*);
- **Viktor Varentsov**, Liaison Officer for Russia, European Center for Ion and Antiproton Research (FAIR) and GSI, Professor, Doctor (*tbc*);

15:20 – 15:45 **Press approach / group photo**
Coffee break

15:45 – 16:30 **II. Large research facilities and training of specialists**

Moderators:

Russian side: **Sergey Salikhov**, First Vice-Rector, NUST MISIS, Ph.D.

German side: **Prof. Dr. Klaus-Dieter Barbknecht**, Rector of the Technical University of Bergakademie Freiberg(*tbc*);

Questions:

- Formation of a community of users of large research infrastructures;
- Student and school educational programs;
- Advanced training programs for employees of large research infrastructures.

- **Sergey Salikhov**, First Vice-Rector, NUST MISIS, Ph.D.
- **Prof. Dr. Klaus-Dieter Barbknecht**, Rector of the Technical





University of Bergakademie Freiberg (*tbc*);

- **Vladimir Shevchenko**, Rector of NRNU MEPhI;
- **Dr. Martin Sandhop** is the coordinator of the DESY International Cooperation, the coordinator of the Russian-German X-ray Institute Ioffe (IRI), the project manager of the European project CREMLINplus (Connecting Russian and European Measures for Large-scale Research Infrastructures - plus) (*tbc*);
- representative of the NRC "Kurchatov Institute"
- representative of the Ioffe Institute of the Russian Academy of Sciences
- representatives of universities and scientific foundations of Russia

16:30 – 17:00 III. Support for research on large research infrastructures.

Moderators:

Russian side: • **Irina Kuklina**, Director of the Analytical Center for International Scientific, Technological and Educational Programs "Transnational Access of Foreign Scientists to Research Infrastructure Operating in Russia

German side: DFG representative (*tbc*);

Participants from the Russian side:

- Representative of the Ministry of Education and Science of Russia (State measures to support the participation of Russian scientists and specialists in research projects implemented in Germany);

Participants from the German side:

- **Viktor Smirnov**, expert on international scientific and technical policy
- **Dr. Jorn Achterberg** – Representative Office of the German Research Community (DFG) in the Russian Federation (*tbc*);
- **Irina Kuklina**, Director of the Analytical Center for International Scientific, Technological and Educational Programs "Transnational Access of Foreign Scientists to Research Infrastructure Operating in Russia



- the German Academic Exchange Service (DAAD); the German Center for Research and Innovation (DWIH) (*tbc*);
- representatives of universities and research funds in Germany;
- young scientists

17:00 – 17:30 Coffee break

