



INVITATION FOR YOUNG SCIENTISTS

IV INTERNATIONAL  
SCIENTIFIC SCHOOL FOR YOUNG SCIENTISTS

Superconducting Functional Materials  
for Advanced Quantum  
Technologies

21-25 September 2026

Peterhof, Russia

About the School

The International Scientific School is held as part of the Russian Science Foundation project "Superconducting Functional Materials for Advanced Quantum Technologies", aimed at laying the physical foundations for a new class of post-silicon elements and devices.

Main Topics

- Fundamentals of the physics of magnetic topological insulators
- Hybrid superconductor-ferromagnetic systems
- Control elements for superconducting quantum circuits and related devices

Innovative Lectures

Leading Russian, Brazilian and Chinese professors from MIPT, SPbGU, MSU, HSE, INME RAS, BIT, Nanjing University, UFRGS, and University of Sao Paulo will deliver innovative lectures within the School.

Important Dates

FOR LECTURERS

Registration and abstract submission are open until **1 May 2026**.

FOR STUDENTS

Register by **20 April 2026** via the School website. Selected students will receive financial support.

PROGRAM COMMITTEE RUSSIA | CHINA | BRAZIL

**Prof. Vasily Stolyarov**  
Director, Center for Advanced Mesoscience and Nanotechnology, MIPT

**Prof. Alexander Golubov**  
Head, Lab. of Topological Quantum Phenomena, MIPT

**Prof. Evgueni Chulkov**  
Head, Lab. of Electronic and Spin Structure of Nanosystems, SPbGU

**Prof. Irina Bobkova**  
Head, Lab. of Spin Phenomena in Superconducting Nanostructures, MIPT

**Prof. Valery Ryazanov**  
Head, Lab. of Superconducting Nanoelectronics, MIPT

**Prof. Oleg Astfiev**  
Head, Lab. of Artificial Quantum Systems, MIPT

**Prof. Dmitry Usachev**  
Professor, Dept. of Solid State Electronics, SPbGU

**Prof. Artem Rybkin**  
Professor, Dept. of Solid State Electronics, SPbGU

**Prof. Alexander Shikin**  
Deputy Head, Lab. of Electronic and Spin Structure, SPbGU

**Prof. Alexey Vagov**  
Director of Center for Quantum Metamaterials, HSE University

**Prof. Alexander Melnikov**  
Leading Researcher, Lab. of Spin Phenomena, MIPT

**Prof. Alexey Aladyshkin**  
Leading Researcher, Lab. of Topological Quantum Phenomena, MIPT

**Prof. Xiang Li**  
Deputy Director, Dept. of Physics, BIT (Beijing, China)

**Prof. Rafael Zadorosny**  
Professor, Dept. of Physics and Chemistry, UNESP (Brazil)

**Prof. Yu Geliang**  
Professor, Dept. of Physics, Nanjing University (China)

**Prof. Sergio Magalhaes**  
Deputy Head, Institute of Physics, UFRGS (Brazil)

**Prof. Jiafang Li**  
Professor, School of Physics, BIT (Beijing, China)

**Dr. Mikhail Tarkhov**  
Head, Research Laboratory of Quantum Technologies, INME RAS

**Dr. Alexander Frolov**  
Head, Lab. of Photoelectron Spectroscopy of Quantum Functional Materials, MIPT

REGISTRATION & CONTACTS

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For queries regarding abstracts or registration, please use the contact above.



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