

**IX INTERNATIONAL YOUTH SCIENTIFIC SCHOOL-CONFERENCE  
"MODERN PROBLEMS OF PHYSICS AND TECHNOLOGY"**

**April 13-19, 2020**

**MEPhI, Moscow**

**1-st ANNOUNCEMENT**

*Organizers:*

**National Research Nuclear University MEPhI**

**P.N. Lebedev Physical Institute of RAS**

*Co-Chairman of the International Program Committee:*

Mikhail N. Strikhanov, Rector of MEPhI

Oleg N. Krokhin, Academician of RAS, Scientific Adviser of N.G. Basov Higher School of Physics of MEPhI

*Chairman of the International Organizing Committee:*

Alexandr A. Garmash, - Head of PhysBio MEPhI

*The purpose of the scientific school-conference:*

- Attraction of young scientists, PhD students and students to discuss actual scientific problems of modern fundamental and applied physics, nuclear, laser, biomedical and IT breakthrough technologies, nuclear and electro physical instrumentation, professional development of future researchers;
- Improving the qualifications of future researchers and involvement youth in science and education, stimulating scientific and technical creative activity.

*The program includes:*

- Lectures by leading foreign and Russian scientists on modern scientific research areas;
- Presentation of young scientists with oral and poster reports;
- Publication of the School-Conference Book of Abstracts;
- Publication of the School-Conference Proceedings (based on scientific publications included in the Web of science / Scopus database);
- Competition of school project works for pupils of 10-11 classes (Competition day is scheduled for April 19);
- International competition of scientific bachelor's works;
- International competition of scientific youth works (young scientists, graduate students, undergraduates);
- Winners receive a recommendation for the publication of an article in the School-Conference Proceedings;
- Participation of students and young scientists as students of the school without presenting a report;
- Visits to laboratories and scientific centers of the MEPhI, LPI and GPI of RAS;

### *Subject sections:*

- Nuclear physics and technologies, particle physics, astrophysics and cosmophysics – N.S.Barbashina, Chairman
- Laser physics, solid state physics, optics and plasma physics – A.P.Kuznetsov, Chairman
- IT technologies, intelligent systems, cybersecurity – V.V. Klimov, Chairman
- Engineering physics technologies for biomedicine – V.Yu.Timoshenko, Chairman
- Electronics, automatics, spintronics, nanotechnologies – N.I. Kargin, Chairman
- Nuclear, electrical engineering, mechanical engineering –A. V. Berestov, Chairman

### *Form and conditions of participation in the work of a scientific school:*

- The conference languages - Russian and English.
- Electronic registration of participants - on the page of the scientific school <http://magistr.mephi.ru/school/> until March 10, 2020. \*

• Registration fee is absent

• Abstracts sent to [MPPT@mephi.ru](mailto:MPPT@mephi.ru) until March 10, 2020

• A sample of abstracts is available on the website of the scientific school.

\* *Foreign citizens must additionally send a copy of their passport to the e-mail MPPT@mephi.ru, and inform us about necessity visa invitation (for countries with visa regime) or availability of visa (educational, business).*

### *Адрес Оргкомитета:*

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Сайт: <http://magistr.mephi.ru/schooleng/>

***We are waiting for everyone who wants to participate in this event and in the work of the school-conference!***