

FEDERAL STATE AUTONOMOUS EDUCATIONAL
INSTITUTION
OF HIGHER EDUCATION
«NATIONAL RESEARCH NUCLEAR UNIVERSITY
MEPhI»

MEPhI NATIONAL
NUCLEAR RESEARCH
UNIVERSITY

ENERGY OF NEW GENERATIONS

HANDBOOK FOR APPLICANTS

$$\nabla^2 \psi + \frac{2m}{\hbar^2} (E - V) \psi = 0; c = 2,9979 \times 10^{10} \text{ cm/sec};$$
$$H_1^3 + H_1^2 \rightarrow He_2^4 + n_0^1 + 17,6 \text{ MeV}; E = h\nu;$$

$$\lambda =$$
$$\Delta p \Delta$$

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Dear future students! Perhaps right at this moment you will make a final decision to enter our university. And it will be the right choice. With its glorious past, remarkable present and brilliant future, MEPhI is one of the most prestigious and significant universities in Russia. **Today MEPhI** is a Russian national research and educational center with branches in all the regions, where our main partner and ally, Russian Federation national nuclear corporation “Rosatom” is represented. **MEPhI's name is associated with the highest quality education.** Our University is known for a unique approach to education, which combines fundamental education in physics and mathematics with comprehensive engineering training as well as the fact that we actively involve students into scientific research. Studying in MEPhI means becoming a true expert and succeeding in life!



*Best regards, Mikhail Strikhanov,
Rector of the National Research
Nuclear University MEPhI,
www.mephi.ru*



MEPhI is one of the best national universities which educates elite experts for the science-based sectors of the Russian Federation economy. It includes prominent science schools and more than 200 educational programs.

Judging by the results of the work, one can say with complete and absolute certainty that the experts of your university are world leaders in the wide range of fields.

VLADIMIR
VLADIMIROVICH
PUTIN 22.01.2014,
MEPhI

PROMISING EDUCATIONAL DIRECTIONS

Physics of atomic nuclei and elementary particles, nanotechnologies and nanomaterials, radiation and beam technologies, superconductivity and controlled thermonuclear fusion, intelligent computer systems, nuclear medicine and medical physics, all of these are far from being a complete list of advanced directions of study for the students, who are engaged both in practical and research activities.

Equally important in the work of the University is the training of managers, analytical experts, who monitor and audit technological and industrial sectors of Russian and world economies. The University also trains specialists in the sphere of management, nuclear law and international science and technology cooperation.

MISSION

To generate, disseminate, use and preserve scientific knowledge aiming to address global challenges of the XXI century as well as to provide innovative transformations in Russia accompanying development of the country competitiveness in the global energy and non-energy high-tech markets.

UNIQUE ADVANTAGES

- The most promising and modern educational programs
- Module education, individualization of education.
- MEPhI's unique experimental facilities and centers.
- 13 students development bureaus.
- Internationally accredited educational programs.
- Internships in the leading research centers and laboratories.

All the educational activity of MEPhI is based on three key notions: **education, science and innovation**. The unity of the three is ensured within the framework of scientific research. And if the first and second year students can choose to participate in research, starting with the 3-rd year scientific research is included into the curriculum. Senior students, master degree students and postgraduate students are actively engaged in the scientific research carried out by laboratories, departments and scientific centers of the University.



HIGHEST QUALITY EDUCATION

Module education and flexible educational trajectories are the basis of the educational process in MEPhI. Students individual work plays an important role in the process. Individualization of the educational

process, applying project and distance methods, interdisciplinary knowledge help students feel confident in the labour market and adapt to its demands. The credit-module system, implemented in MEPhI, allows providing high quality education.

MEPhI graduates get official transcripts of diploma in international form, and students participate in the international academic mobility programs and "double degree" program.

All the educational programs, realized in the University comply completely with the international educational standards and are internationally accredited.

WORLD LEVEL SCIENCE RESEARCH

MEPhI is one of the first universities in Russia, whose students can have internships and practices, prepare graduation projects in the leading science centers of the world.

Switzerland

- Large Hadron Collider (experiments ATLAS, ALICE, CMS, NSW, SHIP, NA61/ SHINE (CERN)).

USA

- Experiments STAR, PHENIX, LZ, COHERENT.

Germany

- FAIR— Facility for Antiproton and Ion Research, XFEL (DESY), HADES (CSI).

Japan

- BELLE, KEK, T2K.

France

- ITER – International Thermonuclear Experimental Reactor

Italy

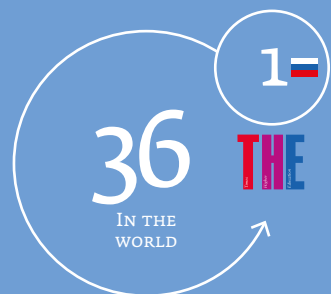
- ICECUBE, PAMELA.

Russia

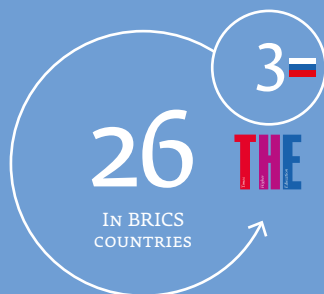
- NICA — Nuclotron-based Ion Collider facility
- PIK reactor – Research nuclear neutronique reactor
- MARS— Multiturn Accelerator-Recuperator Source of synchrotron radiation.
- PEARL — petawatt laser complex
- VEPP-2000— electron-positron collider

INTERNATIONAL RANKINGS 2015/2016

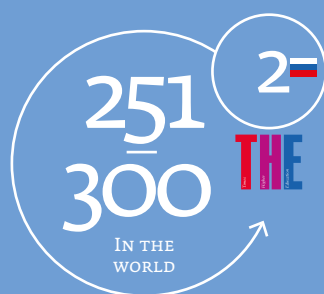
MEPhI is the first and only university among all the participants of Russian academic excellence project, which became one of the TOP-100 world universities according to two international ranking agencies — THE and QS.



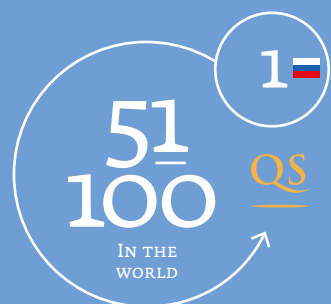
TIMES HIGHER EDUCATION
PHYSICAL SCIENCES



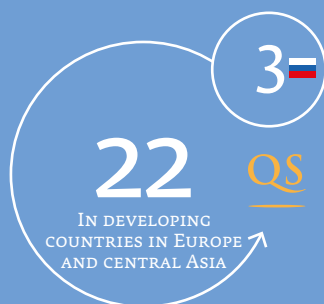
TIMES HIGHER EDUCATION



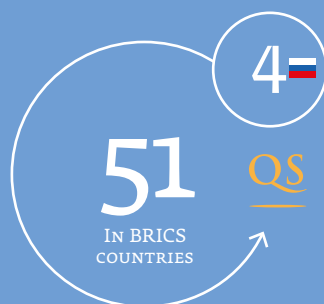
TIMES HIGHER EDUCATION
WORLD UNIVERSITIES RANKING



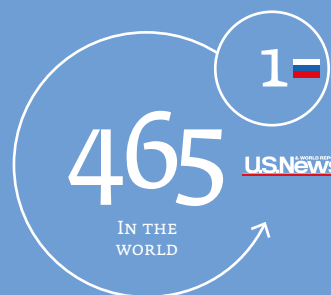
QS WORLD UNIVERSITY
RANKINGS PHYSICS AND
ASTRONOMY



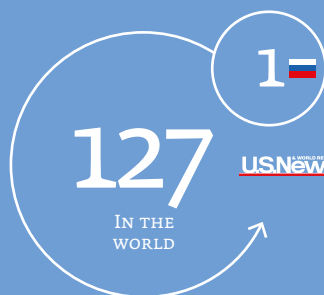
QS WORLD UNIVERSITY
RANKINGS



QS WORLD UNIVERSITY
RANKINGS



US NEWS & WORLD
REPORT GENERAL RANKING



US NEWS & WORLD
REPORT PHYSICS

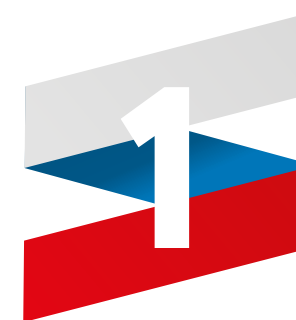
* () The position of MEPhI in the ranking of the Russian higher education institutions, participants of Russian academic excellence project.

NATIONAL RANKINGS 2015/2016



интерфакс
interfax

2015/2016 National university ranking of Interfax and Echo of Moscow 2nd place



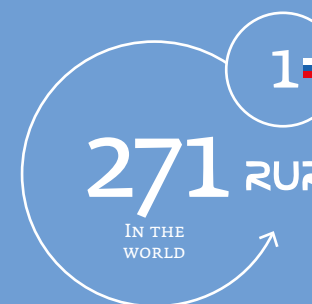
The Russian federation universities popularity ranking in the project "Social navigator" by media group "Russia today" with the participation of the Labour market research center.

1st place among Russian engineering universities

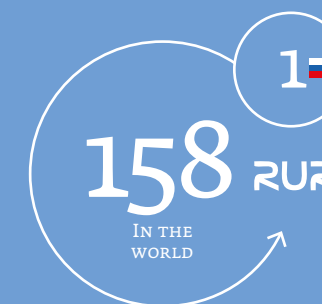


ЭКСПЕРТ РА
РЕЙТИНГОВОЕ АГЕНТСТВО

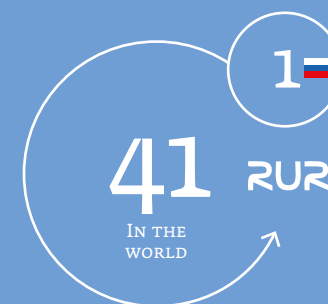
National university ranking of "Expert RA" 3rd place



ROUND UNIVERSITY
RANKING GENERAL RANKING

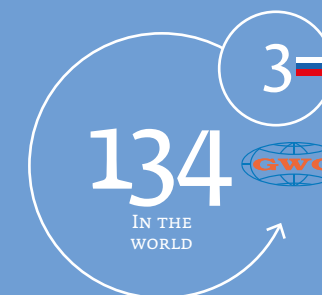


ROUND UNIVERSITY
RANKING NATURAL SCIENCES

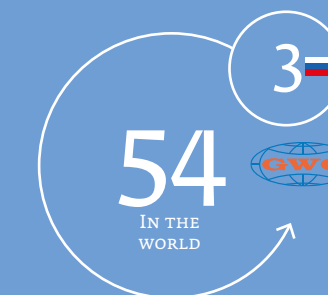


ROUND UNIVERSITY
RANKING TEACHING QUALITY

International science award Scopus Award Russia 2015 (Elsevier) "Outstanding contribution to the promotion of national science in Russia and abroad"



GLOBAL WORLD
COMMUNICATOR
INTERNATIONAL PROFESSIONAL
UNIVERSITIES RANKING



GLOBAL WORLD
COMMUNICATOR
ACADEMIC RANKING



MEPhI was awarded with the Order of the Red Banner of Labour

MEPhI was founded during the Second World War in 1942 and made a great contribution to the national victory. It was named Moscow Mechanics Institute of Ammunitions. Its original purpose was to train specialists for military and nuclear programs of the USSR.

Great scientists and outstanding statesmen were among the founders of MEPhI: I.V. Kurchatov, B. L. Vannikov, Y. B. Zel'dovich, N.N. Semenov, A. I. Leipunskii and many others.



Nobel Prize laureates – MEPhI founders



N. G. BASOV
(MEPHI GRADUATE)



A. D. Sakharov



N. N. Semenov



I. E. Tamm

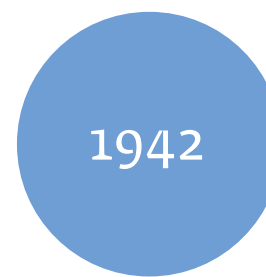


I. M. Frank

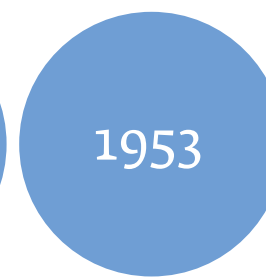


P. A. Cherenkov

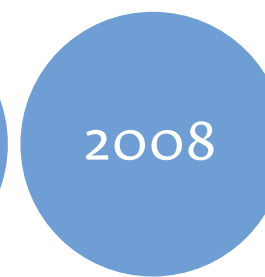
In 2008 MEPhI was reorganized and renamed as the Federal State Budgetary Educational Institution of Higher Professional Education “National Research Nuclear University (MEPhI).” Educational institutions under the competence of the Ministry of Education and Science of the Russian Federation and “Rosatom” in cities with the nuclear enterprises were affiliated to MEPhI.



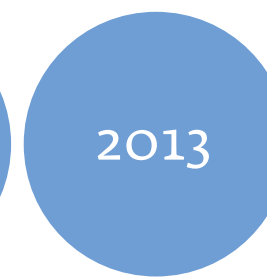
Foundation of the Mechanics Institute of Ammunitions



Reorganization into Moscow Engineering Physics Institute (MEPhI)



Obtaining the status of national research university.
Reorganization into “National Research Nuclear University (MEPhI)”



University became one of the best 15 universities of Russia – candidates for inclusion into TOP-100 world universities.

In July 2013 MEPhI became one of the winners of the competition for the right to become a participant of the Russian academic excellence project.



EDUCATION STRUCTURE OF THE UNIVERSITY



.....
INSTITUTE OF NUCLEAR PHYSICS AND ENGINEERING
.....
INSTITUTE FOR LASER AND PLASMA TECHNOLOGIES
.....
INSTITUTE OF ENGINEERING PHYSICS FOR BIOMEDICINE
.....
INSTITUTE FOR NANOENGINEERING IN ELECTRONICS, SPINTRONICS
AND PHOTONICS
.....
INSTITUTE OF CYBER INTELLIGENCE SYSTEMS
.....
INSTITUTE OF FINANCIAL AND ECONOMIC SECURITY
.....
INSTITUTE OF INTERNATIONAL RELATIONS
.....
INSTITUTE FOR NUCLEAR POWER ENGINEERING
.....
FACULTY FOR PHYSICS AND TECHNOLOGY
.....
FACULTY FOR BUSINESS INFORMATICS AND INTEGRATED SYSTEM
MANAGEMENT
.....
EDUCATIONAL PROGRAMS
.....

INSTITUTE OF NUCLEAR PHYSICS AND ENGINEERING

+7 (495) 788-56-99, ext. 8127

FEDERAL STATE AUTONOMOUS EDUCATIONAL
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"NATIONAL RESEARCH NUCLEAR UNIVERSITY"
(MEPhI)

OBJECTIVE - to achieve global leadership in education, science and innovation in the field of fundamental problems of matter structure and nuclear materials and technologies, which contribute to definition of directions of future energy resources research and exploration for the mankind. Training of specialists, capable of meeting global challenges of today's nuclear sphere which range from fundamental problems of matter structure and new materials development to creation of a new nuclear energy platform.

GENERAL INFORMATION

Institute is engaged in scientific research and innovation activities, in training of the specialists for research in the fields of physics of matter structure, cosmophysics, directed at search of new states of matter and energy sources, as well as engineering and technical and innovation activities in the sphere of nuclear technologies, new materials development, nuclear power plants improvement. Institute's advantage is in active collaborations with the leading international nuclear centers and participation in megaprojects together with the scientific institutes of the Russian academy of science and state corporations "Rosatom", "Roscosmos", "Rostec".

Students are offered international educational programs in two languages, accredited according to the international standards, including programs, realized together with the European universities, MEPhI partners, members of the European Nuclear Education Network ENEN. The graduates receive two diplomas: one of MEPhI and diploma of Master of Science in Nuclear Engineering (MSNE) ENEN.

BACHELOR'S PROGRAMS

Code	Direction of training
14.03.01	Nuclear Power Engineering and Thermophysics
14.03.02	Nuclear Physics and Technologies
22.03.01	Materials Science Engineering

SPECIALIST'S PROGRAMS

14.05.01	Nuclear Reactors and Materials
14.05.02	Nuclear Power Plants: Design, Operation and Engineering
14.05.04	Electronics and Automation of Physics Installations

MASTER'S PROGRAMS

03.04.02	Physics
14.04.01	Nuclear Power Engineering and Thermophysics
14.04.02	Nuclear Physics and Engineering
22.04.01	Materials Science Engineering

POSTGRADUATE PROGRAMS

03.06.01	Physics and Astronomy
09.06.01	Computer Science and Engineering
13.06.01	Electric and Thermal Engineering
14.06.01	Nuclear, Thermal and Renewable Power Generation and Associated Technologies
16.06.01	Physical and Engineering Sciences and Technologies
18.06.01	Chemical Technology
22.06.01	Technology of Materials
24.06.01	Aerospace Engineering
27.06.01	Control of Engineering Systems

DEPARTMENTS

1	Department of Radiation Physics and Safety of Nuclear Technologies
2	Department of Automation
5	Department of Theoretical and Experimental Physics of Nuclear Reactors
7	Department of Experimental Nuclear Physics and Cosmophysics
9	Department of Materials Science
11	Department of Experimental Methods of Nuclear Physics
13	Department of Thermophysics
40	Department of Elementary Particle Physics
60	Department of Physics of Extreme States of Matter
89	Department of Technology of Closed Nuclear Fuel Cycle
91	Department of Computer and Engineering Design

TECHNOLOGICAL POTENTIAL

- Unique scientific facility NEVOD (registration of cosmic rays muons)
- MEPhI Nuclear reactor
- Complex of analytical simulators of nuclear power plants
- Devices for material analysis on the atomic level
- Installations for consolidation of materials
- Subcritical testing units and devices for measurement and control of nuclear materials
- Experimental nuclear physics laboratory, where a neutrino detector of new generation RED-100 was created

INTERNATIONAL RESEARCH AND EDUCATION (R&E) CENTERS AND LABORATORIES

- Nonproliferation of nuclear materials centers and laboratories
- Complex modeling of nuclear power plants
- Nuclear fuel and constructive materials
- Complex support of radiation safety of facilities using nuclear energy
- Management and safe exploitation of nuclear power plant
- Physics of nuclear reactors and technologies of closed nuclear fuel cycle
- Thermophysics of nuclear power plants
- Advanced technologies of new materials development
- Innovative methods of processing and analysis of materials properties
- Preservation and management of nuclear knowledge
- Laboratory of experimental nuclear physics

INTERNATIONAL SCIENTIFIC RESEARCH LABORATORIES

- Advanced technologies of new materials development
- Scientific and educational center NEVOD

INSTITUTE FOR LASER AND PLASMA TECHNOLOGIES

+7 (495) 788-56-99, ext. 9113

FEDERAL STATE AUTONOMOUS EDUCATIONAL
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OBJECTIVE to ensure MEPhI's leading positions in Russia and worldwide in the priority directions in the sphere of environmentally safe energetics, energy-efficient technologies, new materials on the basis of development and convergence of laser, plasma, beam, synchrotron and X-ray technologies by integrating educational, scientific research and engineering and innovative activity of the university.

GENERAL INFORMATION

The institute unites MEPhI departments and key departments of Prokhorov General Physics Institute (Russian Academy of Sciences) and P.N. Lebedev Physical Institute of the Russian Academy of Sciences. The aims of the institute are comprehensive. They include conducting of fundamental and applied research and development of the new plasma, laser, nano and bio technologies. The institute has a developed experimental basis inside the University and is closely connected with the biggest research centers in the world.

Graduates of the institute's departments work in the leading universities and laboratories in different countries as well as the biggest Russian and foreign business companies. The majority of the students publish the results of their works in the leading international physical journals and present them at international conferences even before the defense of their master degree thesis.

BACHELOR'S PROGRAMS

Code	Direction of training
01.03.02	Applied Mathematics and Informatics
03.03.01	Applied Mathematics and Physics
12.03.05	Laser Technique and Laser Technology
14.03.02	Nuclear Physics and Technologies

SPECIALIST'S PROGRAM

14.05.04	Electronics and Automation of Physics Installations
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MASTER'S PROGRAMS

01.04.02	Applied Mathematics and Informatics
03.04.01	Applied Mathematics and Physics
12.04.05	Laser Technique and Laser Technology
14.04.02	Nuclear Physics and Technologies

POSTGRADUATE PROGRAMS

01.06.01	Mathematics and Mechanics
03.06.01	Physics and Astronomy
16.06.01	Physical and Technological Sciences and Technology

DEPARTMENTS

- 14 Departments of Electrophysical Installations
- 21 Departments of Plasma Physics
- 31 Departments of Applied Mathematics
- 32 Departments of Theoretical Nuclear Physics
- 37 Departments of Laser Physics
- 69 Departments of Physics of Laser Thermonuclear Fusion
- 70 Department of Physics of Solid State and Nanosystems
- 88 Department of Physics of Semiconductive Quantum Electronics

TECHNOLOGICAL POTENTIAL

- Automated laser technological complexes in the MEPhI Laser center
- Unique laser facility "International user facility" (launch scheduled for 2017)
- Linear simulator with direct-axis magnetic field with stationary power in plasma flux 50 kw
- Complex of ion beams and plasma research facilities, generating fluxes within the range of 1 to 105 ev (electron volts) and power density up to 10 gigawatt/m²
- Linear electrons accelerators for energy from 2 to 30 MeV, ion sources, neutron generators
- Laboratory of high performance nuclear and physical calculations

INTERNATIONAL RESEARCH AND EDUCATION (R&E) CENTERS

- Advanced laser technologies center
- Experimental laser installation of terawatt power «Laser user facility»
- Advanced laser and beams center

INTERNATIONAL SCIENTIFIC RESEARCH LABORATORIES

- Research of condensed matter and nanostructures with the use of synchrotron radiation and free electron lasers
- Radiation diagnostic methods and radiation technologies with the use of high-intensity laser radiation.
- Energy-efficient surfaces laboratory
- Quantum metrology laboratory
- Modeling of physical processes in extreme light fields
- Impulse process laboratory

INSTITUTE OF ENGINEERING PHYSICS FOR BIOMEDICINE

+7 (495) 788-56-99, ext. 8582

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OBJECTIVE Development and implementation of new materials, methods and technologies of nanotheranostics and nuclear medicine.

GENERAL INFORMATION

The institute is engaged in interdisciplinary research in the field of synthesis of nuclear medicine technologies and nanotechnologies for biomedicine. New technologies and devices, including radiopharmaceuticals, for dangerous diseases diagnostics and therapy are being developed. New high-efficiency methods of computer nanomedicine are being created.

Students are involved in scientific research and contribute to the solution of the important national economy problems, participate in inventive and rationalization activity.

BACHELOR'S PROGRAMS

Code	Direction of training
03.03.02	Physics
04.03.02	Chemistry, Physics and Mechanics of Materials
06.03.01	Biology

SPECIALIST'S PROGRAMS

14.05.04	Electronics and Automation of Physics Installations
31.05.01	General Medicine
37.05.02	Psychological Sciences

MASTER'S PROGRAMS

03.04.02	Physics
04.04.02	Chemistry, Physics and Mechanics of Materials
06.04.01	Biology
14.04.02	Nuclear Physics and Engineering

POSTGRADUATE PROGRAMS

01.06.01	Mathematics and Mechanics
03.06.01	Physics and Astronomy
06.06.01	Life Sciences
12.06.01	Photonics, Instrument Engineering, Optical and Bioengineering Communications Systems
27.06.01	Management in Engineering Systems

DEPARTMENTS

- 35 Departments of Medical Physics
- 46 Departments of Computer Aided Medical Systems
- 85 Departments of Nuclear Medicine
- 87 Departments of Laser Micro and Nano Technologies

TECHNOLOGICAL POTENTIAL

- Nanoparticles generation laser complex for biomedicine
- High tech complexes for cancers diagnostics and therapy, “cleanrooms” complex
- MEPhI Nuclear reactor

INTERNATIONAL RESEARCH AND EDUCATIONAL (R&E) CENTERS

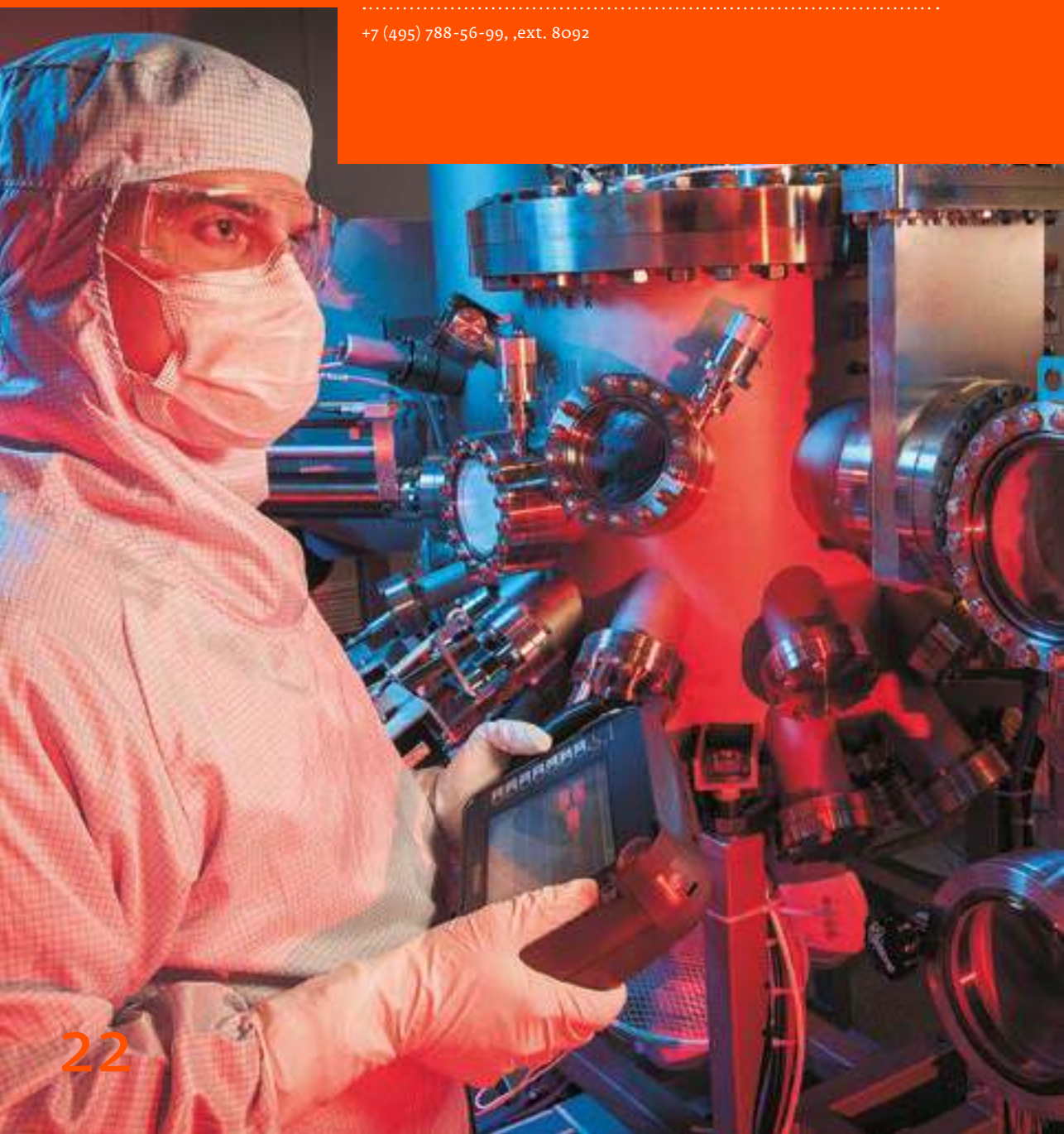
- Nuclear medicine center

INTERNATIONAL SCIENTIFIC AND RESEARCH LABORATORIES

- Nanobioengineering laboratory
- Nanobiophotonics laboratory

INSTITUTE FOR NANOENGINEERING IN ELECTRONICS, SPINTRONICS AND PHOTONICS

+7 (495) 788-56-99, ext. 8092



OBJECTIVE The status of a global leader in education, science and innovations in the field of the development of nanomaterials and nanosystems for nanoelectronics, microwave nanoelectronics, organic electronics, nano-biomedical engineering, nanomechanics, intelligent nanomaterials, materials for nuclear and space application, and composite materials.

GENERAL INFORMATION

The institute gives its students a unique opportunity to become a professional possessing both elaborated theoretical knowledge and expertise in contemporary methods of research and production, and design of complex functional devices on the intersection of science and technology. Unique laboratories allow the students to master advanced methods of the development and research of nanosystems, devices in the field of non-silicon electronics, starting with a material and ending up with an instrument or a functional system. The key areas of the research in the institute are focused on electronics based on new physical principles; spintronics; organic electronics; quantum electronics; TeraHertz technologies and systems (including: plasmonics, radio-photonics);

adaptive systems; nanofluidics and soft matter; new wideband-gap and hybrid materials, and devices combining the advantages of dissimilar functional materials (GaN, SiC) for power devices and etc. The Institute cooperates closely with the leading Russian industrial enterprises and research institutions, belonging to Roselectronics JSC, SC Rosatom, The Russian Academy of Sciences. Our graduates are well acquainted with the challenges of modern science and technology, they possess practical skills of working with up-to-date research and production equipment, thus obtain a high level training, required on a global level.

BACHELOR’S PROGRAMS

Code	Direction of training
01.03.02	Applied Mathematics and Informatics
03.03.02	Physics
11.03.04	Electronics and Nanoelectronics
14.03.02	Nuclear Physics and Engineering

SPECIALIST’S PROGRAM

14.05.04	Electronics and Automation of Physics Installations
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MASTER’S PROGRAMS

01.04.02	Applied Mathematics and Informatics
03.04.02	Physics
11.04.04	Nuclear Physics and Engineering
14.04.02	Nuclear Physics and Technologies

POSTGRADUATE PROGRAMS

03.06.01	Physics and Astronomy
11.06.01	Electronics, Radio Engineering and Communications Systems

DEPARTMENTS

3	Department of Electronics
10	Department of Molecular Physics
27	Department of Micro- and Nanoelectronics
67	Department of Condensed Matter Physics
78	Department of Physical and Technical Problems of Metrology
81	Department of Physics of Micro- and Nanosystems

TECHNOLOGICAL POTENTIAL

- Nanotechnology Education and Research Center is a research and engineering complex of ISO 6 - ISO 8 cleanrooms for the developments in the field of microwave and power electronics. The center has both production facilities and unique measurement equipment.
- New Wideband-gap Semiconductors and Solid State Components on Their Basis Education and Research Center is a joint center of cooperation with the JSC State Plant Pulsar. The center brings together the plant's and institute's developments in the field of latest electronic devices
- Heterostructure Microwave Electronics and Physics of Wide Band-gap Semiconductors Education and Research Center
- Engineering Center (system engineering и commercialization of projects)

SCIENTIFIC RESEARCH LABORATORIES

- Laboratory of advanced equipment and microwave electronics technology based on 2D nanostructures
- Laboratory of ion-cluster technology
- Laboratory of hybrid nanosystems and composites
- Extreme Fluid Dynamics Laboratory

INSTITUTE OF CYBER INTELLIGENCE SYSTEMS

+7 (499) 324-84-46

FEDERAL STATE AUTONOMOUS EDUCATIONAL
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OBJECTIVE Training of personnel able to withstand modern threats and challenges, with expertise and competence in the field of cybernetics, information and financial security essential for meeting the challenges of basic software development, for improving the security the security of critical information systems and combating the financing of terrorism and money laundering.

GENERAL INFORMATION

Institute is engaged in research and innovative development in the field of cybernetics, information and financial security. The advantages of the Institute are: training of the personnel with relevant competences in the field of cybernetics, information and financial security for professional problem solving in sphere of building secure information systems and software development; techniques of proactive cyber defense, including principles of construction of intelligent cyber security agents adapting to the rapidly changing environment of intellectual and high secure distributed infrastructures of data storage and processing, increasing the rate of reaction to

cyber threats and the effectiveness of detection of illegal financial transactions; involvement in research in the field of robotics and cyber physical systems.

Institute has 4 small innovative enterprises. Main areas of graduates employment: public service, banking, finance, audit, IT sphere, information security.

BACHELOR’S PROGRAMS

Code	Direction of training
01.03.02	Applied Mathematics and Informatics
09.03.01	Computer Science and Engineering
09.03.04	Software Engineering
10.03.01	Information Security

SPECIALIST’S PROGRAMS

09.05.01	Use and Operation of Automated Systems for Special Purposes
10.05.04	Information Analysis Security Systems
10.05.05	Information Technology Security in Law Enforcement
38.05.01	Economic Security

MASTER’S PROGRAMS

01.04.04	Applied Mathematics
09.04.01	Computer Science and Engineering
09.04.02	Information Systems and Technology
09.04.04	Software Engineering
10.04.01	Information Security
38.04.01	Economics

POSTGRADUATE PROGRAMS

09.06.01	Computer Science and Engineering
10.06.01	Information Security

DEPARTMENTS

- 12 Department of Computer Systems and Technology
- 22 Department of Cybernetics
- 42 Department of Cryptology and Cyber Security
- 43 Department of Strategic Research in Information Technology
- 44 Department of Information Security of Banking Systems
- 65 Department of Analysis of Competitive Systems
- 75 Department of Financial Monitoring

TECHNOLOGICAL POTENTIAL

- Supercomputer “Basov”
- Supercomputer “Tcherenkov”
- 20 modern IT rooms for students’ training
- 5 specialized laboratories in information security
- 6 student research engineering centers with high efficiency scientific equipment
- Educational manufacturing facility: small scale production of high technology products with automated operating system
- Laboratory testing facility from National Instruments based on LabView hardware-in-the-loop for studying the principles of electronic devices
- Laboratory testing facilities for studying the processes of add-ins based on microcontrollers
- 3 clusters for studying the methods of concurrent programming and building of high load systems
- Laboratory facilities for studying web-based telecommunications technologies based on CISCO equipment

INTERNATIONAL SCIENTIFIC AND RESEARCH LABORATORIES

- Hybrid supercomputer technologies
- Robotic engineering
- Neurotechnology and cognitive architecture
- Intelligent systems and technology
- Software engineering and information support of the development and manufacture of scientific products and technologies
- Fundamental principles of information technology
- Centre of high performance computing
- Cyber security of scientific and education facilities of informational support
- Certification of informational support facilities in accordance with the information security demands

INSTITUTE OF FINANCIAL AND ECONOMIC SECURITY

+7 (499) 324-03-78

FEDERAL STATE AUTONOMOUS EDUCATIONAL
INSTITUTION
OF HIGHER EDUCATION
"NATIONAL RESEARCH NUCLEAR UNIVERSITY"
(MEPhI)

OBJECTIVE Preparation of highly qualified specialists in the field of financial monitoring, information and economic security, economics, audit and national law based on the integration of theory and practice, academic mobility of students, advanced educational technologies to solve the problems of the financial and economic security of the Russian Federation and of the partner countries in the international anti-money laundering system.

GENERAL INFORMATION

Institute – is the first and so far the world's only institution of higher education for training experts to address the financial problems monitoring in the form of a complete educational cycle: basic higher education; Master Degree; Post Graduate Programs; advance training. The advantage of the institute is a comprehensive training with advanced knowledge and competencies in the field of cybernetics, information and financial security to solve the problems of counteraction to money laundering, the protection of critical facilities, capable of withstanding modern threats and challenges. Institute graduates can find application of their knowledge: in government agencies, law enforcement

agencies (the Ministry of Finance, the Central Bank of the Russian Federation, Rosfinmonitoring, etc.); commercial banks, leasing companies, insurance companies, etc; in the financial intelligence units of the country - member of the Eurasian group; in the IT-companies ("FORS "Technoserv", "CROC", etc.); in consulting the firms (PriceWaterhouseCoopers, Ernst & Young and others); in the international organization (FATE, World Bank, "Egmont" Group).

BACHELOR'S PROGRAMS

Code	Direction of training
01.03.02	Applied Mathematics and Informatics
09.03.03	Applied Informatics
38.03.01	Economics
40.03.01	Law

SPECIALIST'S PROGRAMS

38.05.01	Economic Security
40.05.01	Legal National Security Protection

MASTER'S PROGRAMS

38.04.01	Economics
01.04.02	Applied Mathematics and Informatics
40.04.01	Law

POSTGRADUATE PROGRAMS

09.06.01	Computer Science and Engineering
10.06.01	Economic Security
38.06.01	Economics
40.06.01	Law

DEPARTMENTS

28	Department of System Analysis
47	Department of General Jurisprudence and Legal Foundation of Security
56	Department of Accounting and Auditing
63	Department of Financial Management
75	Department of Financial Monitoring

INSTITUTE OF INTERNATIONAL RELATIONS

+7 (495) 788-56-99, EXT. 9583

FEDERAL STATE AUTONOMOUS EDUCATIONAL
INSTITUTION
OF HIGHER EDUCATION
"NATIONAL RESEARCH NUCLEAR UNIVERSITY"
(MEPhI)

GENERAL INFORMATION The Institute was established in 1999 for the human resourcing of federal agencies: the Ministry of Foreign Affairs, the Ministry of Education and Science, Ministry of Economic Development, the State Corporation "Rosatom" State Corporation "Roskosmos", OJSC "Rosoboronexport" and other government institutions, research institutes of the RAS system, Russian missions abroad. The curriculum was created with the support of Academician Ye.M. Primakov and Academician A.V. Torkunov. The Institute prepares analysts, managers, professionals of IT and PR technologies for the human resourcing of the international activities of the Russian Federation. The Institute implemented a unique interdisciplinary curriculum that combines basic scientific training and humanitarian educational modules on International Relations and on the special linguistic training. Students undertake training in foreign universities and research centers.

BACHELOR'S PROGRAM

Code	Direction of training
41.03.05	International Relations

MASTER'S PROGRAM

41.04.05	International Relations
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DEPARTMENTS

55	International Relations
65	Analysis of Competitive Systems

LABORATORIES

- Centre for analysis of the national scientific and technological security of Russia

INSTITUTE FOR NUCLEAR POWER ENGINEERING

249040, Kaluga region, Obninsk, Studgorodok,
Building 1 Telephone: (48439) 3-69-31
Fax: (48439) 7-08-22
Admission office: (48439) 7-01-31
www.iate.obninsk.ru

FEDERAL STATE AUTONOMOUS EDUCATIONAL
INSTITUTION
OF HIGHER EDUCATION
"NATIONAL RESEARCH NUCLEAR UNIVERSITY"
(MEPhI)

OBJECTIVE Comprehensive training
in the field of high technologies with the assistance
of the innovation potential of the first Science City for
enterprises and organizations of nuclear power, science,
technology and nuclear medicine.

GENERAL INFORMATION

Institute for Nuclear Power Engineering (INPE) is located in the city of Obninsk. The Institute implemented the concept of multilevel training of specialists with higher education.

Today the institute trains students in 5 specialties, bachelors in 19 directions, masters in 16, post-graduate students in 12 specialties. The main directions of scientific research are:

- physical and technical problems of nuclear technology and nuclear energy;
- reliability and safety of nuclear energy and industry;
- construction of mathematical models of different processes and systems, of living systems;

- studying environmental issues related to the functioning of the nuclear fuel cycle and other industrial facilities;
- study of the effects of ionizing and non-ionizing radiation of different quality on biological objects of different degrees of difficulty;
- conventional and nuclear medicine;
- preclinical testing of radiopharmaceuticals, radiation protectors

BACHELOR'S PROGRAMS

Code	Direction of training
01.03.02	Applied Mathematics and Informatics
04.03.01	Chemistry
04.03.02	Chemistry, Physics and Mechanics of Materials
06.03.01	Biology
14.03.01	Nuclear Power Engineering and Thermophysics
14.03.02	Nuclear Physics and Engineering
22.03.01	Materials Science and Engineering
12.03.01	Instrument Engineering
09.03.01	Computer Science and Engineering
09.03.02	Information Systems and Technology

SPECIALIST'S PROGRAMS

14.05.04	Electronics and Automation of Physics Installations
14.05.01	Nuclear Reactors and Materials
14.05.02	Nuclear Power Stations: Design, Operations and Engineering
31.05.01	General Medicine

MASTER'S PROGRAMS

04.04.02	Chemistry, Physics and Mechanics of Materials
14.04.01	Nuclear Power Engineering and Thermophysics
14.04.02	Nuclear Physics and Engineering
22.04.01	Materials Science and Engineering
12.04.01	Instrument Engineering

POSTGRADUATE PROGRAMS

01.06.01	Mathematics and Mechanics
03.06.01	Physics and Astronomy
04.06.01	Chemistry
06.06.01	Life Sciences
09.06.01	Computer Science and Engineering
12.06.01	Photonics, Instrument Engineering, Optical and Bioengineering Communications Systems
14.06.01	Nuclear Power Engineering and Thermophysics
37.06.01	Psychological Sciences
38.06.01	Economics and Management

FACULTY FOR PHYSICS AND TECHNOLOGY

+7 (495) 788-56-99, ext. 9790

FEDERAL STATE AUTONOMOUS EDUCATIONAL
INSTITUTION
OF HIGHER EDUCATION
"NATIONAL RESEARCH NUCLEAR UNIVERSITY"
(MEPhI)

GENERAL INFORMATION The faculty carries out educational activities in close connection with the research, technology and innovation activities. The basis of the educational process of the faculty is the combination of fundamental physical and mathematical training and provision of superior engineering skill of graduates on the basis of the application of the best global practices and international standards of engineering education.

The advantage of studying at the faculty is a chance from the very beginning of one's student life to become a member of or to organise a team of young leaders, engineers of the future; by receiving fundamental training in physics and mathematics, to master a wide range of disciplines (new materials, computer-aided design and engineering, electronics and micro-processors, analog and digital signal processing, data transmission systems, programming languages

and operating systems); to contribute to the development of new technical solutions in the priority areas of scientific and technological progress; by submerging into the world of high technology and engineering science, to discover one's talents and the ability to obtain unique competence of highly skilled engineer-physicist, able to create together with the like-minded people the future world which one desires to live in.

BACHELOR'S PROGRAM

Code	Direction of training
14.03.02	Nuclear Physics and Technology

SPECIALIST'S PROGRAM

14.05.01	Nuclear Reactors and Materials
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MASTER'S PROGRAMS

14.04.02	Nuclear Physics and Technology
15.04.05	Design and Maintenance of Machinery Manufacturing

POSTGRADUATE PROGRAMS

02.06.01	Computer and Information Sciences
03.06.01	Physics and Astronomy
09.06.01	Computer Science and Engineering
11.06.01	Electronics, Radio Engineering and Communications Systems
12.06.01	Photonics, Instrument Engineering, Optical and Bioengineering Communications Systems
13.06.01	Electric and Thermal Engineering
14.06.01	Nuclear, Thermal and Renewable Power Generation and Associated Technologies
15.06.01	Mechanical Engineering
16.06.01	Physical and Engineering Sciences and Technologies
27.06.01	Management in Engineering Systems

DEPARTMENTS

4	Department of Chemical Physics
18	Department of Instrument and Installations
24	Department of Applied Nuclear Physics
26	Department of Electronic Instrumentation Systems
59	Department of Problems of Experimental Physics
61	Department of Physics of High Energy Density
76	Department of Power Engineering

FACULTY FOR BUSINESS INFORMATICS AND INTEGRATED SYSTEM MANAGEMENT

+7 (495) 788-56-99, ext. 9734

FEDERAL STATE AUTONOMOUS EDUCATIONAL
INSTITUTION
OF HIGHER EDUCATION
"NATIONAL RESEARCH NUCLEAR UNIVERSITY"
(MEPhI)

GENERAL INFORMATION The Faculty provides training under the bachelor, master and postgraduate programs. Scientific innovation work and development of scientific complex projects on "mesoeconomics" in cooperation with academic institutions of the RAS: the Central Economic Mathematical Institute (CEMI) and the Institute of Economic Forecasting (IEF RAS), creation of business models of innovative development of "Meso-economic" systems - large corporations and territorial complexes (priority development areas - PDA) are under way.

Unique advantages of studying at the faculty are associated with the outstanding Russian scientists, professors of the Faculty. Academician of Russian Academy of Sciences, Director of the IEF RAS V.V. Ivanter, corresponding members of the Russian Academy of Sciences G.B. Kleiner, B.N. Porfiriev,

D.E. Sorokin and many others. They are the "golden fund" of education complex of the Faculty and at the same time represent a powerful research center, providing research and development at the advanced level.

BACHELOR'S PROGRAMS

Code	Direction of training
09.03.03	Applied Informatics
27.03.03	System Analysis and Management

MASTER'S PROGRAMS

09.04.03	Applied Informatics
27.04.03	System Analysis and Management
38.04.02	Management
38.04.05	Business Informatics

POSTGRADUATE PROGRAM

38.06.01	Economics
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DEPARTMENTS

- 71 Department of Economics and Management in Industry
- 72 Department of Management of Business Projects
- 79 Department of Human Resources Management
- 82 Department of Spatial Planning and Management Philosophy
- 83 Department of Regional and Innovative Economy

FACULTY DIVISIONS

- Institute of Innovation Management
- Business School of MEPhI



My name is Blessed Raphotle – a first year Master's student at the Department of Theoretical and Experimental Physics of Nuclear Reactors in MEPhI. I feel highly esteemed and privileged to study at one of the world's leading research universities, especially in the field of nuclear technology. The atmosphere of learning in MEPhI is of a high standard, engaging, and inviting towards acquiring more knowledge. The ease with which students interact with each other and with the staff is profound and dignified. In general, I find Russians to be welcoming, willing to lend a hand, and proud of their heritage. I have been to numerous places in and around Moscow and beyond it, and witnessed what a beautiful country Russia is, as well as its citizens. In all my encounters, I was constantly reminded of the importance of self-awareness and holding true to one's identity, due to the rich historical monuments around the country, how important events are commemorated and most importantly the ability to convey values and ideals from one generation to the other. My journey has not yet ended, and I am sure to discover more about this beautiful country, and the life-lessons learnt here; I will take them back with me to South Africa upon completion of my studies, in the hope of inspiring a set of values and ideals towards a productive society. For now, my studies are my priority.

BLESSED RAPHOTLE



I'm proud of being a student of MEPhI, which is a prestigious unique university of excellent education, innovation and wisdom. There is an abundance of opportunities, intelligence along with a smooth path of study. It's a wonderful center of acquiring knowledge. It has a long glorious history of creativity. MEPhI is the nucleus of nuclear science and technology. That's why our first and foremost choice is the MEPhI.

HAGUE MOHAMMAD REZAUL



MEPhI is a top university in Russia. I am a foreign student, who comes from Vietnam. I am one of many international students who are studying at this university. MEPhI has modern equipment and large dormitories, so I think you will enjoy a comfortable living environment when you live there. In addition, if you worry about your knowledge, MEPhI will help you because we have highly qualified teachers and a diverse system of libraries. This is a university where you can find and make your dream come true in the future. Welcome to MEPhI University.

NGUYEN NGHIA AN

EDUCATIONAL PROGRAMS

BACHELOR'S PROGRAMS

SPECIALIST'S PROGRAMS



BACHELOR'S PROGRAMS

Direction	Program	Department
Nuclear Power Engineering and Thermophysics code 14.03.01	Operation of Nuclear Power Stations and Installations	Moscow-Obninsk
	Radiation Safety of Human and Environment	1 Radiation Physics and Atomic Safety
	Physics of High-Speed Processes	4 Chemical Physics
	Engineering Aspects of Nuclear Materials Safety Control	5 Theoretical and Experimental Physics of Nuclear Reactors
	Nuclear and Space Physics	7 Experimental Nuclear Physics and Space Physics
	Material Physics	9 Physical Problems of Materials Science
	Applied Molecular Physics	10 Molecular Physics
	Experimental Study and Simulation of Fundamental Interactions	11 Experimental Methods of Nuclear Physics
	Thermophysics of Nuclear Power Plants (NPP)	13 Thermophysics
	Radio Engineering of Physical Installations	14 Electrophysical Installations
Nuclear Physics And Engineering code 14.03.02	Information and Measurement Systems of NPP and Radiation Experiment Methods	18 Design Engineering of Instruments and Installations
	Nuclear Reactors (Design and Production of Fuel Rods And Assembly of NPP)	18 Design Engineering of Instruments and Installations
	Plasma Physics	21 Plasma Physics
	Nuclear Physical Analysis Methods of Investigation of Matter Properties	24 Applied Nuclear Physics
	Laser Physics	37 Laser Physics
	Particle Physics and Cosmology	40 Particle Physics

Direction	Program	Department
Nuclear Physics and Engineering code 14.03.02	Application of Charged Particles Fluxes in Physics of Extreme State of Matter and in Nuclear Engineering	60 Physics of Extreme State of Matter
	Condensed Matter Physics	67 Condensed Matter Physics
	Laser Thermonuclear Fusion	69 Physics of Laser Thermonuclear Fusion
	Solid State Physics and Photonics	70 Solid State Physics and Photonics
	Physicotechnical Problems of Metrology	78 Physicotechnical Problems of Metrology
Applied Mathematics and Informatics code 01.03.02	Mathematical Cybernetics	22 Cybernetics
	Mathematical and Information Support of Enterprise and Industry	28 System Analysis
	Mathematical Simulation. Data Analysis and Processing	31 Applied Mathematics
	Mathematical Simulation in Condensed Matter Physics	67 Condensed Matter Physics
Applied Mathematics and Physics code 03.03.01	Theoretical Physics	32 Theoretical Nuclear Physics
Physics code 03.03.02	Physics of Kinetic Phenomena	10 Molecular Physics
	Medical Physics	35 Medical Physics
	Radiation Biophysics	Moscow-Obninsk
Chemistry, Physics and Mechanics of Materials code 04.03.02	Nanomaterials for Biology and Medicine	Moscow-Obninsk
Biology code 06.03.01	Biomedical Research	Moscow-Obninsk
	Radiation Biology	Moscow-Obninsk

Direction	Program	Department
Computer Science and Engineering code 09.03.01	High Efficiency Engineering	12 Computer Systems and Technologies
Applied Informatics code 09.03.03	Applied Informatics in High Technology Economics	71 Economics and Management in Industry
Software Engineering code 09.03.04	Mathematical and Software Support of Computers and Computer Network	22 Cybernetics
Information Security code 10.03.01	Security of Automated Systems	42 Cryptology and Discrete Mathematics
Electronics and Nanoelectronics code 11.03.04	Instruments of Micro and Nano Electronics	67 Physics Condensed Matter and Nano Systems
Laser Technique and Laser Technology code 12.03.05	Laser Technique and Laser Technology	37 Laser Physics
Materials Science Engineering code 22.03.01	Physics of Materials and Processes	9 Physical Problems of Materials Science
System Analysis and Management code 27.03.03	Strategic Management of Life Cycle of Complex Engineering Projects	82 Strategic Planning and Management Methodology
Economics code 38.03.01	Accounting, Auditing and Analysis	56 Accounting and Auditing
	Financial Management	63 Financial Management
Jurisprudence code 40.03.01	State and Legal	47 General Jurisprudence and Legal Basis of Security
International Relations code 41.03.05	International Academic, Technological and Industrial Cooperation	55 International Relations

SPECIALIST'S PROGRAMS

EDUCATIONAL PROGRAMS SPECIALIST'S PROGRAMS

Direction	Program	Department
Nuclear Reactors and Materials code 14.05.01	Physics of Nuclear Reactors	5 Theoretical and Experimental Physics of Nuclear Reactors
	Nuclear Materials Safety	5 Theoretical and Experimental Physics of Nuclear Reactors
	Nuclear Reactors (Design and Production of Fuel Rods and Assembly of NPF)	18 Engineering of Instruments and Facilities
Nuclear Power Plants: Design, Operation and Engineering code 14.05.02	Radiation Safety of NPP	1 Radiation Physics and Atomic Technologies Safety
	Instrumentation and Control Systems of Nuclear Power Plants	2 Automatics
	Design and Operation of NPP	Moscow-Obninsk
Electronics and Automation of Physics Installations code 14.05.04	Charge Particles Accelerators for Radiation Technologies	14 Electrophysical Installations
	Automation and Information and Measurement Systems for Physics Installations	2 Automatics
	Electronics and Systems	3 Electronics
	Computer Aided Medical Systems	46 Computer Aided Medical Systems
	Micro and Nano Electronic Instruments and Systems for Physical Installations	27 Micro and Nanoelectronics
Use and Operation of Automated Systems for Special Purposes code 09.05.01	Automated Systems of Data Processing and Control for Special Purposes	12 Computer Systems and Engineering

Direction	Program	Department
Security Information Analysis Systems code 10.05.04	Information Security of Financial and Economic Structures	75 Financial Monitoring
Security of Information Technologies in Law Enforcement code 10.05.05	Research and Information Support in Law Enforcement	75 Financial Monitoring
General Medicine code 31.05.01	General Medicine	Moscow-Obninsk
Economic Security code 38.05.01	Legal Economic Expert Analysis	56 Accounting and Audit
	Economical and Legal Support of Economic Security	63 Financial Management
	Finance and Credit Institutions Activity for Banking Services of State Bodies to Ensure Security of RF	75 Financial Monitoring
Legal National Security Protection code 40.05.01	State and Legal	47 General Jurisprudence and Legal Foundation of Security

EDUCATIONAL PROGRAMS MASTER'S PROGRAMS POSTGRADUATE PROGRAMS

+7 (499) 725-24-06



MASTER'S PROGRAMS

GENERAL INFORMATION The University trains candidates for Master's degree for Russia and foreign countries in the most important areas of fundamental and applied sciences and modern technology: nanotechnology and nanomaterials, radiation and beam technologies, superconductivity and controlled thermonuclear fusion, nuclear medicine and medical physics, biophysics and ecology, information security, etc.

Graduates of MEPhI bachelor's and specialist's degrees programs are trained in the University along with the students graduated from other universities of Russia and from abroad. Students can undergo study courses in the leading scientific centers and laboratories around the world, participate in programs of international academic mobility

and "double degree". Graduates receive official transcript of international standard. There are more than 60 master's degree programs in MEPhI implemented by the departments, members of institutes and faculties.

Direction of training	Program	Department
Nuclear Power Engineering and Thermophysics code 14.04.01	Modern Technologies of NPP Design	5 Theoretical and Experimental Physics of Nuclear Reactors
	Modern Technologies of NPP Design	Moscow-Obninsk
	Operation of NPP and Facilities	Moscow-Obninsk
Nuclear Physics and Engineering code 14.04.02	Radiation Safety of Human and Environment	1 Radiation Physics and Atomic Technologies Safety
	Automation Systems of Physics Installations and Their Components	2 Automatics
	Physics of High-Speed Processes	4 Chemical Physics
	Physics of Nuclear Power Facilities	5 Theoretical and Experimental Physics of Nuclear Reactors
	Engineering Aspects of Nuclear Materials Safety Support	5 Theoretical and Experimental Physics of Nuclear Reactors
	Nuclear Physics and Space Physics	7 Theoretical Nuclear Physics and Space Physics
	Computer Simulation in Materials Science	9 Physical Problems of Materials Science
	Applied Ion Physics and Mass Spectrometry	10 Molecular Physics
	Physics of Isotope and Molecular Compounds Separation	10 Molecular Physics
	Experimental Research and Simulation of Fundamental Interactions of Subatomic Particles and Atomic Nuclei	11 Experimental Methods of Nuclear Physics
	Thermophysics of Nuclear Power Plants	13 Thermophysics
	Physics of Charge Particle Beams and Electrophysical Installations	14 Electrophysical Installations
	Medical Charged Particles Accelerators	14 Electrophysical Installations
	Information and Measuring Systems of Nuclear Power Facilities and Technique of Radiation Experiment	18 Design of Instruments and Installations

Direction of training	Program	Department
Nuclear Physics and Engineering code 14.04.02	Plasma Physics	21 Plasma Physics
	Nuclear Physical Analysis Methods of Matter Properties Research	24 Applied Nuclear Physics
	Electronic Measuring Systems for Physical Installations	26 Electronic Measuring Systems
	Laser Physics	37 Laser Physics
	Particle Physics and Cosmology	40 Particle Physics
	Computer Medical Systems	46 Computer Medical Systems
	Physics of Extreme State of Matter	60 Physics of Extreme State of Matter
	Physics and Nano Technology of Heterostructure-Based Electronics	67 Physics of Condensed Matter
	Physics of Solids and Photonics	70 Physics of Solids and Nano Systems
	Physicotechnical Problems of Metrology	78 Physicotechnical Problems of Metrology
	Physics of Micro and Nano Systems	81 Physics of Micro and Nano Systems
	Biomedical Photonics	87 Laser Micro and Nano Technologies
	Femtosecond Laser Physics and Technologies	87 Laser Micro and Nano Technologies
	Physics and Technology of Semiconductor Lasers	88 Semiconductor Quantum Electronics
	Nuclear Technologies of Next Generation	89 Technology of Closed Nuclear Fuel Cycle
	Computer Engineering Simulation	91 Computer Engineering Simulation
	Nuclear Physical Methods of Solar Terrestrial Physics	SEC NEVOD
Applied Mathematics and Informatics code 01.04.02	Mathematical Simulation Data Analysis and Processing	31 Applied Mathematics
	Methods of Mathematical Physics, Mathematical Simulation, Data Analysis and Processing	31 Applied Mathematics

EDUCATIONAL PROGRAMS MASTER'S PROGRAMS

Direction of training	Program	Department
Applied Mathematics and Informatics code 01.04.02	Mathematical Simulation in Condensed Matter Physics	67 Condensed Matter Physics
Applied Mathematics code 01.04.04	Mathematical Cybernetics in Information Environment	22 Cybernetics
Applied Mathematics and Physics code 03.04.01	Mathematical Physics and Simulation	32 Theoretical Nuclear Physics
Physics code 03.04.02	Physics of High Energy and Very High Energy Particles	SEC Nevod
	Physics of Kinetic Phenomena	10 Molecular Physics
	Medical Physics	35 Medical Physics
Chemistry, Physics and Materials Science code 04.04.02	Pharmaceutical and Radiopharmaceutical	Moscow-Obninsk
Biology code 06.04.01	Biomedical Research	Moscow-Obninsk
	Experimental Radiology	Moscow-Obninsk
Computer Science and Engineering code 09.04.01	Secure High Performance Computer Systems	12 Computer Systems and Engineering
	Secure Computer Aided Systems of Information Processing and Management	12 Computer Systems and Engineering и
Applied Informatics code 09.04.03	Corporate Management Information Systems in Science-based Industries	71 Economics and Management in Industry
Programming Engineering code 09.04.04	Development Technologies of High Critical Cyber Systems	22 Cybernetics
Information Security code 10.04.01	Application of Cryptology Methods in Information Security Providing Systems	42 Cryptology and Discrete Mathematics
Information Security code 10.04.01	Information Security of Critical Facility (Course: Information Security Provision of Key Systems of Information Infrastructure of Critical Facilities)	43 Strategic Information Research
	Information Security of Critical Facilities (Course: Provision of Continuity and Information Security of Business)	44 Security of Banking Systems

EDUCATIONAL PROGRAMS MASTER'S PROGRAMS

Direction of training	Program	Department
Information Security code 10.04.01	Information and Analytical Support of Financial Monitoring	75 Financial Monitoring
Electronics and Nanoelectronics code 11.04.04	Instruments of Micro and Nano Electronics	67 Condensed Matter Physics
Laser Technique and Laser Technology code 12.04.05	Laser Technique and Laser Technology	37 Laser Physics
Design and Maintenance of Machinery Manufacturing code 15.04.05	Technology of Atomic Engineering	76 Power Engineering
Materials Science and Technology code 22.04.01	Nanostructured Materials	9 Physical Problems of Materials Science
	Advanced Technologies in Materials Science	9 Physical Problems of Materials Science
	Computer Aided Development of Materials	9 Physical Problems of Materials Science
	Solid Body in Extreme Conditions	9 Physical Problems of Materials Science
	Advanced Technologies in Pharmaceutical Materials Science	Moscow-Obninsk
System Analysis and Management code 27.04.03	System Engineering of Artificial Systems	82 Strategic Planning and Management Methodology
Economics code 38.04.01	Accounting, Analysis and Audit	56 Accounting and Audit
	Corporate Finances	63 Financial Management
	Instrumental and Mathematical Methods in High Technology Economics	71 Economics and Management in Industry
	Economic Security	75 Financial Monitoring
Management code 38.04.02	State and Corporate Management	72 Business projects Management
	Personnel Management	79 Personnel Management
	Economics and Management of Science-based Facilities	83 Regional and Innovative Economics

Direction of training	Program	Department
Business Informatics code 38.04.05	Business Informatics in High-Tech Industries of Economics	71 Economics and Management in Industry
Jurisprudence code 40.04.01	Legal Support of Financial Monitoring and Economical Safety	47 General Jurisprudence and Legal Fundamentals of Safety
International Relations code 41.04.05	International Industrial Science and Technology Cooperation	55 International Relations

IMPLEMENTATION OF MASTER’S PROGRAMS AT THE HIGHER SCHOOL FOR PHYSICISTS NAMED AFTER N.G. BASOV. The Higher School for Physicists named after N.G. Basov (HSP) trains candidates for Master’s degree and carries out the Pre-Master’s training for Bachelors in special educational programs for the elite engineering and physics training of Physics and Mathematics, Physics and Technology, Information profiles for advanced directions in scientific research and science-based high-tech industries. HSP implements programs of academic mobility in cooperation with leading foreign education and research centers, as well as joint master’s programs in cooperation with universities of the CIS countries and far abroad.

SCIENTIFIC DIRECTOR OF HIGHER SCHOOL FOR PHYSICISTS NAMED AFTER N.G. BASOV,
DR. SCI. IN PHYSICS AND MATHEMATICS, ACADEMICIAN OF THE RUSSIAN ACADEMY OF SCIENCES, OLEG N. KROKHIN.

Code	Direction of training
03.04.01	Applied Mathematics and Physics
03.04.02	Physics
14.04.02	Nuclear Physics and Technology
15.04.05	Design and Maintenance of Machinery Manufacturing

POSTGRADUATE STUDY

GENERAL INFORMATION Postgraduate study at MEPhI provides the training of highly qualified scientific and academic staff in 20 direction of training: Nuclear, Thermal and Renewable Energy and Related Technology; Physics and Astronomy; Photonics, Instrumentation, Optical and Biotechnical Systems and Technologies; Information Security; Electronics, Radio Engineering and Communication Systems; Technical systems control; Computer Science and Engineering; Economics and others

Admission to postgraduate study of academic staff is based on applications from candidates and entrance examination results. Postgraduates can undertake training programs at leading scientific centers and laboratories and participate in programs of international academic mobility. During the training every postgraduate student is engaged in both research work and teaching. A postgraduate diploma of the state standard is awarded upon

graduation and the qualification of “Researcher. Academic Specialist” is conferred. Postgraduates, who successfully defended their candidate theses, are provided with the opportunity to get a MEPhI Ph.D. degree.

EDUCATIONAL PROGRAMS
POSTGRADUATE PROGRAMS

Direction	Program
Nuclear Power and Technology code 14.06.01	Nuclear Power Facilities: Design, Operation and Decommissioning
Mathematics and Mechanics code 01.06.01	Differential Equations, Dynamical Systems and Optimal Control
Computer and Information Sciences code 02.06.01	Mathematical Modeling, Calculus Methods and Program Complexes
Physics and Astronomy code 03.06.01	Plasma Physics
	Laser Physics
	Electrophysics, Electrophysical Facilities
	Thermal Physics and Theoretical Heat Engineering
	Condensed Matter Physics
	Theoretical Physics
	Devices and Methods of Experimental Physics
	Physics of Atomic Nuclei and Elementary Particles
	Physics of Charged Particle Beams and Accelerators
	High Energy Physics
Chemical Sciences code 04.06.01	Physical Chemistry
Biological Sciences code 06.06.01	Radiobiology
Computer Science and Engineering code 09.06.01	System Analysis, Control and Processing of Information (by sectors)
	Automation and Control in Technological Processes and Production (by sectors)
	Mathematical and Software Support for Computing Machines, Systems and Computer Networks
	Mathematical Modeling, Calculus Methods and Program Complexes
	Elements and Devices of Computer Engineering and Control Systems
Information Security code 10.06.01	Methods and Systems of Information Protection, Information Security

EDUCATIONAL PROGRAMS
POSTGRADUATE PROGRAMS

Direction	Program
Electronics, Radio Engineering and Communication Systems code 11.06.01	Solid State Electronics, Radioelectronic Components, Micro- and Nanoelectronics Devices on Quantum Effects
Photonics, Instrumentation, Optical and Biotechnical Communication Systems code 12.06.01	Information-measuring and Control Systems (by sectors)
Electro and Heat Power Engineering code 13.06.01	Thermal Physics and Theoretical Heat Engineering
Mechanical Engineering code 15.06.01	Technology of Mechanical Engineering
Sciences and Technology code 16.06.01	Mechanics of Liquid, Gas and Plasma
Chemical Technology code 18.06.01	Materials Science (by sectors)
Technology of Materials code 22.06.01	Powder Metallurgy and Composite Materials
Aerospace Engineering code 24.06.01	Nuclear Power Facilities: Design, Operation and Decommissioning
Control of Engineering Systems code 27.06.01	Information-measuring and Control Systems (by sectors)
Psychological Sciences code 37.06.01	Labour Psychology, Engineering Psychology, Ergonomics
Economics code 38.06.01	Economics and National Economy Management (by sectors and areas of activity)
	Accounting, Statistics
	Mathematical and Instrumental Methods in Economics
Jurisprudence code 40.06.01	Administrative Law; Administrative Process

EDUCATION AT THE LEVEL OF INTERNATIONAL STANDARDS



MEPhI has been officially recognized as a member of the Worldwide CDIO initiative (www.cdio.org) aimed at modernization of engineering education in higher education.

Modernization and development of engineering curricula have been implemented in compliance with the CDIO standards requirements.

Having met the CDIO standards MEPhI is on par with leading world universities such as Stanford University, Massachusetts Institute of Technology, California State University, United States Naval Academy, Tsinghua University (Asia Region), Chalmers University of Technology (Europe Region), etc.

INTERNATIONAL ACCREDITATION OF ENGINEERING EDUCATIONAL PROGRAMS



EUROPEAN FEDERATION OF
NATIONAL ENGINEERING
ORGANIZATIONS

FEDERATION EUROPEENNE
D'ASSOCIATIONS NATIONALES
D'INGENIEURS, FEANI

14 MEPhI engineering educational programs are part of Index programs, the quality of which corresponds to “European standards” (FEANI Index). 12 educational programs have been accredited by FEANI for inclusion into FEANI Index.

The University educational programs inclusion into FEANI Index gives MEPhI graduates, who have been taught in accordance with these educational programs, a chance to get the qualification of EUR ING (European Engineer) — a specialist whose qualification is recognized by all EU countries and corresponds to international requirements.

ACCESS TO GLOBAL OPEN EDUCATIONAL COURSES

The university widely uses leading open educational courses.



COURSERA is an international educational platform. It is one of the most massive open online courses MOOC*. Over 13 million students are users and over 2 million courses are offered.



EDX is an international educational platform. It is one of the most prestigious open online courses MOOC*. Its founders are Harvard University and Massachusetts Institute of Technology.

CLP4NET

Cyber Learning Platform for Nuclear Education and Training. An educational platform for specialized education in the field of nuclear technologies developed, implemented and supported by International Atomic Energy Agency (IAEA) . The only platform in Russia has been established in MEPhI.



* MOOC: Massive open online courses — training courses using interactive learning and application of e-training technologies.

MEPhI

REGIONAL BRANCHES

HIGHER EDUCATION

BALAKOVO ENGINEERING AND TECHNOLOGY INSTITUTE (BITI MEPhI)	413853, Saratov Region, Balakovo 140 Chapaeva street (8453) 44-49-69, ext. 5602 www.bitl.org.ru
VOLGODONSK ENGINEERING AND TECHNICAL INSTITUTE (VITI MEPhI)	347360, Rostov Region, Volgodonk, 73/94 Lenina street, (8639) 22-57-64 www.viti-mephi.ru
DIMITROVGRAD ENGINEERING AND TECHNOLOGICAL INSTITUTE (DITI MEPhI)	433511, Ulyanovsk Region, Dimitrovgrad, 294 Kuybisheva street (84235) 4-63-09 www.diti-mephi.ru
OBNINSK INSTITUTE FOR NUCLEAR POWER ENGINEERING (INPE MEPhI)	249030, Kaluga Region, Obninsk, 1 Studgorodok (484) 397-01-31 www.iate.obninsk.ru
NOVOURALS'K TECHNOLOGICAL INSTITUTE (NSTI MEPhI)	624130, Sverdlovsk Region, Novouralsk, 85 Lenina street (34370) 9-49-35 www.nsti.ru
OZERSK TECHNOLOGICAL INSTITUTE (OTI MEPhI)	456783, Chelyabinsk Region, Ozersk, 48 Pobedy avenue (35130) 7-01-44 www.oti.ru
SAROV INSTITUTE OF PHYSICS AND TECHNOLOGY (SARPhTI MEPhI)	607186, Nizhny Novgorod region, Sarov, 6 Dukhova street (83130) 7-02-22, 3-94-78 www.sarfti.ru
SEVERSK TECHNOLOGICAL INSTITUTE (STI MEPhI)	636036, Tomsk Region, Seversk, 65 Kommunisticheskoy avenue (3823) 78-02-01 www.ssti.ru
SNEZHINSK INSTITUTE OF PHYSICS AND TECHNOLOGY (SPHTI MEPhI)	456776, Chelyabinsk Region, Snezhinsk, 8 Komsomolskaya street (35146) 9-24-22 www.sfti.edu.ru
INSTITUTE OF TECHNOLOGY (TI MEPhI)	624200, Sverdlovsk Region, Lesnoy, 36 Kommunisticheskoy avenue (34342) 4-70-52 www.mephi3.ru
TREKHGORNYI INSTITUTE OF TECHNOLOGY (TTI MEPhI)	456080, Chelyabinsk region, Trekhgorniy, 17 Mira street (35191) 6-25-53 www.tpi.ac.ru

SECONDARY PROFESSIONAL EDUCATION

KRASNOYARSK INDUSTRIAL COLLEGE (KPK MEPhI)	662971, Krasnoyarsk Region, Zheleznogorsk, 5 Sverdlova street (3919) 72-60-91 www.kpk26.ru
MOSCOW REGIONAL POLYTECHNIC COLLEGE (MOPK MEPhI)	144000, Moscow Region, Elektrostal, 41 Lenina avenue (49657) 4-22-82 www.mopk-mephi.ru
NOVOVORONEZH POLYTECHNIC COLLEGE (NVPK MEPhI)	396070, Voronezh Region, Novovoronezh, 1 Oktyabrskaya street (47364) 2-47-45 www.nvpk.vrn.ru
SIBERIAN POLYTECHNIC COLLEGE (SPK MEPhI)	630075, Novosibirsk, 9 Bogdana Khmel'nitskogo street (383) 276-11-48 www.newspk.ru
URAL TECHNOLOGICAL COLLEGE (URALTC MEPhI)	624250, Sverdlovsk Region, Zarechny, 27 Lenina street (34377) 3-20-04 www.uraltc-mephi.ru



EDUCATION WITHOUT BORDERS

2

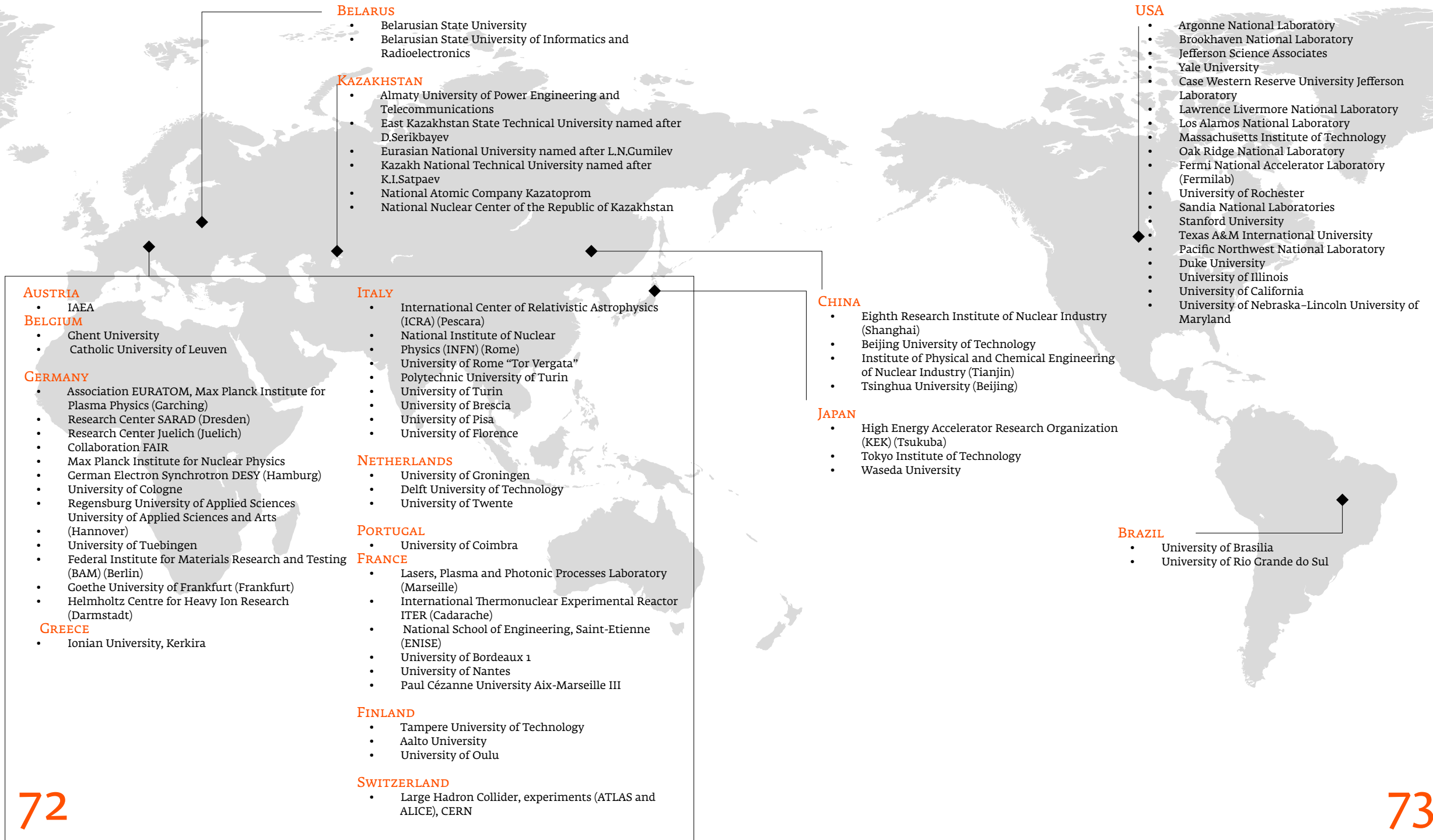
GRAZIANO VENANZONI,
Frascati National Laboratories,
Italy



INTERNATIONAL COOPERATION IN EDUCATION TRAINING AT FOREIGN EDUCATION AND RESEARCH CENTERS



INTERNATIONAL COOPERATION IN EDUCATION



TRAINING AT FOREIGN EDUCATION AND RESEARCH CENTERS

Direction, code	Education and Research Center
Applied Mathematics and Informatics code 01.03.02	Texas A&M International University, USA
	Stony Brook University, USA
	Keele University, UK
	Karlsruhe Institute of Technology, Germany
	University of Surrey, UK
Applied Mathematics and Physics code 03.03.01	CERN, Switzerland
	CERN, Switzerland
	Ludwig Maximilian University of Munich, Germany
	Polytechnic School, France
Physics code 03.03.02	University of Rostock, Germany
	CERN, Switzerland
	Gran Sasso National Laboratory, Italy
	University of Florence, Italy
	University of Rome, Italy
	Research Center Juelich, Germany
Materials Science and Technology of Materials code 22.03.01	Brookhaven National Laboratory, USA
	University of Reims, France
	University of Nantes, France
	Massachusetts Institute of Technology, USA
Nuclear Reactors and Materials code 14.05.01	Institute for Energy Technology, Norway
	Tokyo Institute of Technology, Japan
Nuclear Power Plants: Design, Operation and Engineering code 14.05.02	Brookhaven National Laboratory, USA
	Texas A&M International University, USA
	Belarusian State University, Belarus
	Belarusian State Technological University, Belarus
	Aalto University, Finland

Direction, code	Education and Research Center
Nuclear Physics and Technology code 14.03.02	CERN, Switzerland
	Graduate School of Engineering Sciences at Kyushu University, Japan
	Institute of High Energy Physics, Chinese Academy of Sciences, China
	Institute for Crystal Growth, Germany
	University of Rome, Italy
	ITER, France
	Research Center Juelich, Germany
	Max Planck Institute for Plasma Physics, Germany
	German Electron Synchrotron DESY, Germany
	Ludwig Maximilian University of Munich, Germany
	European Synchrotron Radiation Facility ESRF, France
	Synchrotron Radiation Facility MAX-lab, Sweden
	Synchrotron Facility SOLEIL, France
	University of King Abdulaziz, Saudi Arabia
Electronics and Automation of Physics Installations code 14.05.04	Laboratory LPSC (Laboratory for Subatomic Physics and Cosmology), France
	Belarusian State University, Belarus
	Belarusian State Technological University, Belarus
	Aalto University, Finland
	University of Da Nang, Vietnam
	University of Tuebingen, Germany
	University of Cologne, Germany
	Regensburg University of Applied Sciences, Germany
	University of Brescia, Italy

3

STUDENT COMMUNITY AND CAREER



STUDENT LIFE
SCHOLARSHIPS
NON-RESIDENT APPLICANTS
CAREER AND EMPLOYMENT
ADMISSION DATES AND DEADLINES IN THE
2016/2017 ACADEMIC YEAR

STUDENT LIFE Student life is not only end-of-term assignments and exams. It opens up the possibility to make incredible breakthroughs, to implement ingenious ideas, to make unique discoveries! To make dreams come true the Associated Student Body (ASB), established in MEPhI, strives to help students. The ASB is composed of the best student representatives and for four years in a row, it gains a victory in the Contest of Development Programs for student associations' activity organized by the Ministry of Education and Science of the Russian Federation.

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Research and innovation activities, students' self-government, creative teams, construction teams, volunteer movement, participation in sports, the opportunity to try out the role of a journalist, a TV or radio-presenter — the University creates all favorable conditions for strengthening creative potential of students. Have you already made a choice?



- Dormitory Council
- Volunteer movement "Good Works service"
- Volunteers team «Anzer»
- Construction teams
- Young teachers team
- Ecological Association «ECO-MEPHI»
- Student Television «Gamma-TV»
- Student Radio «Impulse»
- Editorial team of the website MEPhISTUDENT
- International Friendship Club "MEPhI Unity"
- Students Scientific Society (SSS)
- Youth Engineering Center
- Club "What? Where? When?"
- Debates Club



- Patriotic Club "Allegiance"
- Historic Reenactment Club "VIRM»
- Club «Design Laboratory»
- Center for cultural projects
- League of KVN
- Academic Male Choir
- Students Song Club (SSC)
- Chamber Choir CarpeDiem
- Vocal Studio QuantodiStella
- Poetry Club
- Dance Group "ESTA"
- Rock-Laboratory
- Team of Dramatic Sketches "Studio D.T.P."
- Student Theater of Pop Sketches
- "Eighth Creative Association (ECA)



SPORTS Studying at MEPhI is not only learning complex subjects. But it is also a great opportunity to take up sports. There is a choice of about 30 various sports clubs from athletics, martial arts, rugby, hockey, football, volleyball to aerobics&fitness, climbing, sailing and badminton.
Can't decide what to choose or do you want to try yourself as a sports manager?

MEPhI Center for Physical Education and Sports and Students Sports Club "Reactor" will be eager to provide you with all necessary assistance.

All conditions have been created for physical training and sports in MEPhI. The university has games and gymnastics halls, two sambo halls, a hall for table tennis, two outdoor tennis courts with artificial turf, a gym, as well as outdoor plane constructions.

The Sports Facilities of MEPhI hold a series of traditional competitions. These include International Tournament on Sambo for the "Prize of Space Conquerors", ski competitions "Race of Generations", athletics cross "Kolomenskie Hills", Festival of Sports Aerobics, Spartakiad on Basketball, Volleyball, Sambo, Rugby



among Universities of Moscow and Kids City Competitions on Sambo. Sports life gives a chance to MEPhI students to become participants of the Moscow City Student Games, regional tournaments, student national championships, international competitions of the highest rank, the winners of which have repeatedly been the athletes of our university.



NON-RESIDENT APPLICANTS

MEPhI offers non-resident applicants and students comfortable hotels and dormitory in Moscow, Obninsk and other towns where regional branches of the University are located.

The number of places in the dormitories which are available for admission of the first year students in 2016:

Name of branch	Number of Places
NRNU MEPhI (Moscow)	700
BITI MEPhI (Balakovo)	100
VITI MEPhI (Volgodonsk)	150
DITI MEPhI (Dmitrovgrad)	320
INPE MEPhI (Obninsk)	450
MOPK MEPhI (Elektrostal)	50
NVPK MEPhI (Novovoronezh)	35
OTI MEPhI (Ozersk)	30
SarPhTI MEPhI (Sarov)	32
STI MEPhI (Seversk)	91
SPK MEPhI (Novosibirsk)	90
TTI MEPhI (Trekhgorny)	70
UralTC MEPhI (Zarechny)	150

MEPhI SCHOLARSHIPS

in academic year 2015/2016

ACADEMIC SCHOLARSHIPS are awarded to students based on superior academic performance, creative activity, sports achievements, research work, participation in university events as a volunteer.



INDIVIDUAL SCHOLARSHIPS are awarded to students for inventions, participation in scientific conferences, scientific publications, outstanding achievements in Olympiads, significant contributions to the development of their industry



SOCIAL SCHOLARSHIPS



CAREER AND EMPLOYMENT



ROSATOM State Atomic Energy Corporation



Ministry of Defence of The Russian Federation



Roscosmos State Corporation For Space Activities



National Research Center "Kurchatov Institute"



Russian Academy of Sciences



Russian Federal Nuclear Center



Federal Financial Monitoring Service



Ministry of Foreign Affairs of the Russian Federation



Foreign Intelligence Service of the Russian Federation



Federal Environmental, Industrial and Nuclear Supervision Service



Federal Security Service of the Russian Federation



Federal Service for Technical and Export Control (FSTEC Russia)



Federal Service for Military-Technical Cooperation (Russia)



Ministry of Education and Science of the Russian Federation



Ministry of Internal Affairs of the Russian Federation



Central Bank of the Russian Federation



СБЕРБАНК

Sberbank of Russia PJSC



Gazprom PJSC



РОСНЕФТЬ

Oil Company Rosneft OJSC

+300
largest high technology companies



International Atomic Energy Agency (IAEA)



CERN—European Organization for Nuclear Research



European Synchrotron Radiation Facility (ESRF)



N.L. Dukhov all-Russia Research Institute of Automatics



State Scientific Center RF "Troitsk Institute of Innovative and Thermonuclear Research"



Intel Corporation — an American corporation, that manufactures a wide range of electronic devices and computer components

SIEMENS

Siemens — Transnational Industrial Concern (group of companies)

Microsoft

Microsoft Corporation — one of the largest transnational companies in the production of proprietary software for all kinds of computers



"Kaspersky Lab" — a Russian company specializing in the development of protective systems against computer viruses, spam, hacker attacks and other cyber threats

Яндекс

"Yandex" — a Russian IT-company, which owns the eponymous search engine on the web and internet portal



"ICC Milandr" JSC — a Russian company - developer and producer of microelectronic components based on the use in products with high demands of reliability

ADMISSION DATES AND DEADLINES IN ACADEMIC YEAR 2016/2017

ADMISSION DATES AND DEADLINES IN ACADEMIC YEAR 2016/2017							
				The beginning of the application period for admission of documents for Master's Degree , programs.	The application deadline for admission of documents for Master's Degree programs.	The deadline for entrance examinations for Master's Degree programs.	
				18 April	10 August	15 August	
The beginning of the application period for admission of documents for Bachelor's Degree and Specialist's Degree programs.	The application deadline for admission of documents for Bachelor's Degree and Specialist's Degree programs from persons entering on the results of additional entrance examinations of creative and (or) a professional character.	The application deadline for admission of documents for Bachelor's Degree and Specialist's Degree programs from persons entering on the results of other entrance examinations conducted by MEPhI on its own.	The deadline for entrance examinations conducted by MEPhI on its own.	The application deadline for admission of documents for Bachelor's Degree and Specialist's Degree programs from persons entering without passing entrance examinations conducted by MEPhI on its own.	The application deadline for agreement to admission from persons entering without entrance examinations; entering the place within quota if these persons have applied at the same time for admission to the two or more higher education institutions.	The application deadline for agreement to admission from persons, included in the lists of applicants to the main competitive places and wishing to be enrolled at the first stage of admission to the main competitive places.	The application deadline for agreement to admission from persons, included in the lists of applicants to the main competitive places.
15 June	8 July	11 July	26 July	28 July	1 August	6 August	
				27 July	29 July	3 August	8 August
				Lists of applicants are available on the official website.	Issuance of an order (orders) for admission of persons who submitted agreement to admission, from the number of applicants entering without entrance examinations, who enters within quota.	Issuance of an order (orders) for admission of persons who submitted agreement to admission, before 80% of the main competitive places are filled.	Issuance of an order (orders) for admission of persons who submitted agreement to admission, before 100% of the main competitive places are filled.

CONTACTS:

31, KASHIRSKOE SHOSSE
115409
MOSCOW

Applicant's hotline:

+7 800 775 15 51

FREE CALLS FOR RUSSIA

+7 495 785 55 25

FREE CALLS FOR MOSCOW

DIRECTIONS TO THE UNIVERSITY:

"KASHIRSKAYA" METRO STATION,
TAKE THE BUS № 275, 280, 298,
738, 742, 907; OR THE TROLLEYBUS
№ 71 TO THE BUS STOP "MEPhI".
ONE STOP FROM METRO OR 10-15
MINUTES ON FOOT.

OFFICIAL WEBSITE

mephi.ru

ADMISSION COMMITTEE

admission.mephi.ru

NETWORK SCHOOL

school.mephi.ru

License of the Federal Supervisory
Agency for Education and Science:
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0764
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Certificate of the State Accreditation:
series 90Ao1 # 0001648
registration # 1556
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