

№	Name of summer school	Short description	Dates
1	«Modern information technologies within international relations»	<p>Institute of International Relations NRNU MEPhI invites students to participate in the summer online school " Modern information technologies within international relations". The school will focus on the issues of transformation of international relations, the role of modern information technologies in them, as well as scientific and e-diplomacy, information security of the state.</p> <p>Participants will take part in a master class dedicated to data collection and analysis, applicable to work in international organizations.</p>	27.07.2020 - 31.07.2020
2	«School of Financial Intelligence»	<p>AML/CFT/CWMD — anti-money laundering, countering terrorist financing and countering financing of weapons of mass destruction is one of the most progressive areas in government regulation. We will give you an idea of what financial intelligence is doing and what knowledge is required to work in this area. You will conduct independent financial investigations and gain a fascinating experience.</p>	8.06.2020 - 12.06.2020 (corrections are possible)
3	«Laser and plasma research and technologies of the future»	<p>Laser, plasma, radiation technologies constitute a very important part of our daily life. The main quality of laser, plasma and radiation technologies is their versatility, the possibility of application in almost all fields of science and different spheres of human existence.</p> <p>Every day we use high-tech gadgets and manage modern machines, we research and create new materials, we try to unlock the mysteries of the Universe. As a rule, we don't even realize that all these opportunities have appeared due to the usage of a laser beam, plasma (ionized gas) and radiation technologies.</p> <p>These technologies have enormous potential for application. For example the rate of growth of the laser equipment market is over 6,6%, while that of the global economy is around 2,4%.</p> <p>The possible solution of many problems, with</p>	22.06.2020 – 26.06.2020.

		<p>which humanity faces in the fields of energy, industrial production, healthcare, information support, environmental protection and safety is associated by experts with laser, plasma and radiation technologies.</p>	
4	<p>«Modern electronics: physics, circuitry, technology»</p>	<p>Modern electronics is developing very quickly and dynamically. At present, technologies are being actively developed to ensure such processing and transmission speeds of information that several years ago seemed almost unattainable. The use of heterostructures and wide-gap semiconductors has opened up new prospects for the development of high-voltage, power, and microwave electronics. The introduction of new technologies has allowed us to significantly expand the operating temperature range of new integrated circuits and other products of electronic equipment, to increase their reliability and radiation resistance. The results achieved open up new opportunities for the development of the electronics of spacecraft, nuclear power plants, and research physics facilities. The use of new materials requires constant research in the field of physics of microelectronic structures, the development of fundamentally new circuitry and technological solutions. To familiarize a wide audience of students with the tasks, methods and achievements of modern electronics, NRNU MEPhI holds the international summer online school "Modern Electronics: Physics, Circuitry, Technology". Our teachers, engineers and leading scientists specializing in various fields of modern electronics, online, will conduct a series of lectures, seminars, master classes and will be happy to share with you their knowledge and practical experience. We are waiting for you among the students of our school!</p>	<p>23.06.2020, 24.06.2020</p>
5	<p>«Nuclear engineering computer simulation»</p>	<p>The International Summer School on Engineering Computing in Nuclear Technology provides certified training in mathematical modeling of physical processes. The school aims at the solution of complex engineering problems</p>	<p>29.06.2020 - 10.07.2020</p>

		<p>by means of inter-coupled numerical modeling. The participants will learn the techniques and practice in use of different numerical tools for simulation of conjugate heat transfer, turbulence and multiphase (CFD-codes: FlowVision, STAR-CCM+, ANSYS), thermo-mechanical stresses in process equipment (FEA code KOMPAS-3D), neutron physics (Monte Carlo simulator MCU).</p>	
6	<p>«Non-destructive testing of welded joints of pipelines and equipment of nuclear power plants»</p>	<p>The main methods of NDT are considered (ultrasonic, radiography, eddy current, magnetic particle, liquid penetrant), foundations and practical application on the NPPs of Russian design.</p>	<p>24.06.2020- 28.06.2020</p>