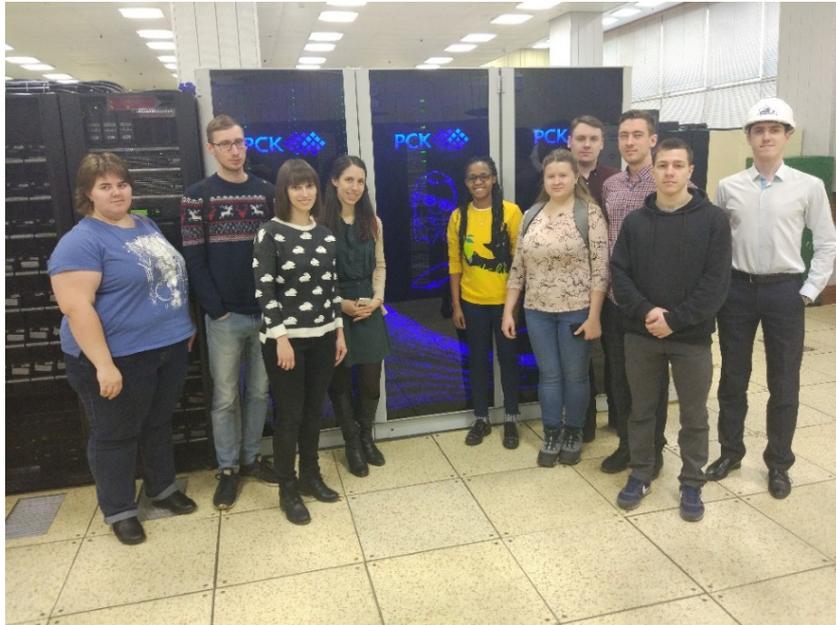


## Students from SPbU at LIT JINR

On 18-29 November 2019, the Laboratory of Information Technologies of JINR welcomed students from St. Petersburg University. Nine students of the 2<sup>nd</sup> year of master's studies from the department "Computer Modeling and Multiprocessor Systems" came to Dubna for pre-graduation practice as part of the program "Computing Technologies". Topics of the students' research were diverse and covered machine learning, distributed systems and registries, cloud technologies, econophysics, online data security.



Lectures from leading JINR specialists were organized for the students as part of the practice. T.A. Strizh (LIT deputy director) presented the scientific program of LIT. O.V. Rogachevsky (head of sector, VBLHEP) briefly talked about what high-energy physics studied, what the NICA megaproject was, how the given facility differed from the others and at what stage the construction of the accelerator complex was. G.A. Ososkov (main researcher, LIT) read the basic course on machine learning and data mining. Yu.L. Kalinovsky (leading researcher, LIT) devoted his lecture to mathematical and numeral methods for modeling complex physical systems in the framework of the NICA megaproject. I.S. Kadochnikov (software engineer, LIT) described the trends and prospects for the development of Big Data analytics. Ye. Mazhitova (junior researcher, LIT) enlarged upon the topic of cloud technologies: what this notion defines, what its history is, how cloud storages differ from cloud services, what the cloud infrastructure of JINR consists of. I.S. Pelevanyuk (software engineer, LIT) held an excursion in LIT, within which the JINR LIT computer center, including the "Govorun" supercomputer updated in November this year, was presented.



During the practice, the students managed to attend two events: the seminar “Cloud and Supercomputer Technologies in Economics”, which was held at LIT on 21-22 November 2019 for students of Plekhanov Russian University of Economics, and the all-Russian scientific-practical conference “Nature. Society. Human”, organized at Dubna State University on 27-29 November 2019.