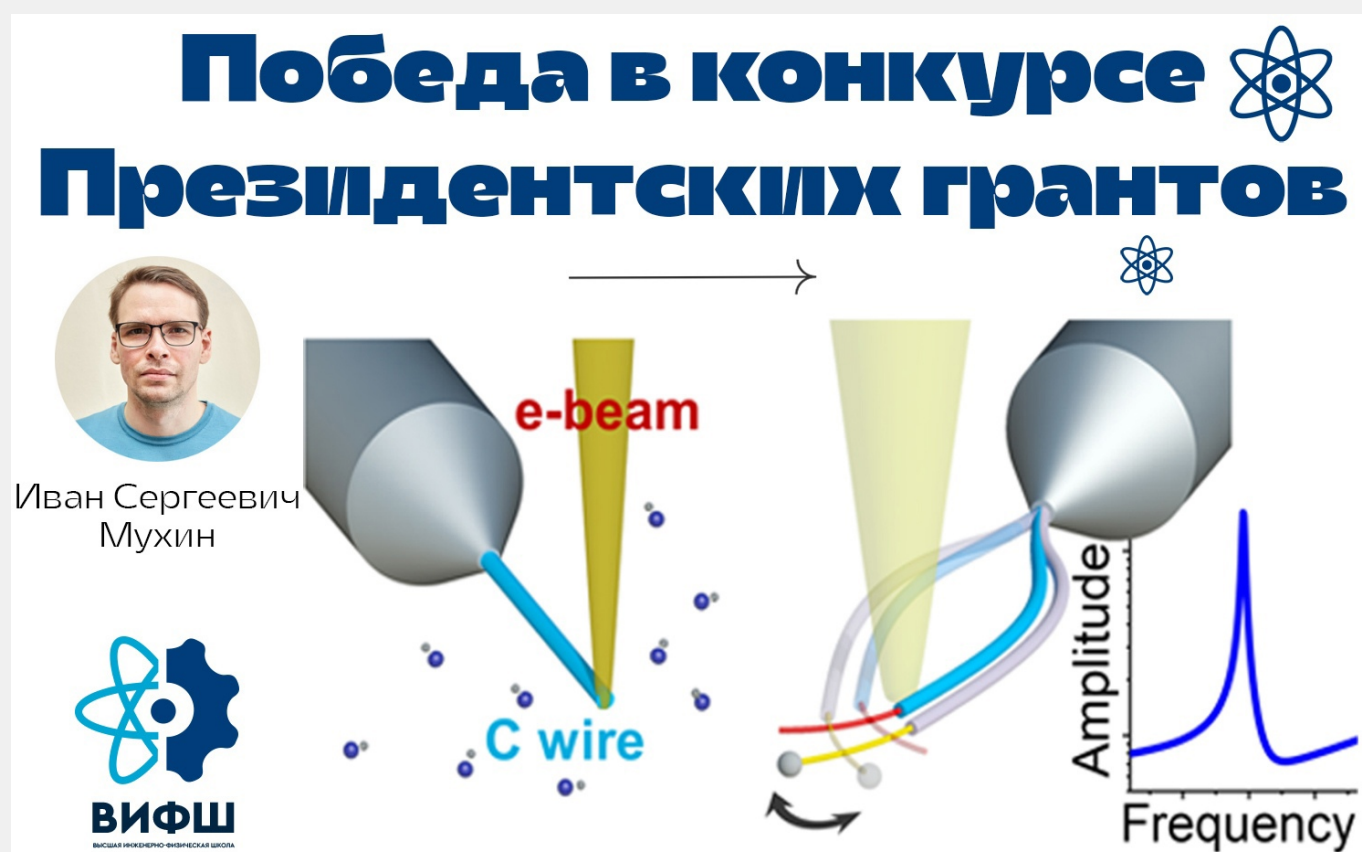


Victory in the competition of grants of the President of the Russian Federation



Professor Mukhin I.S. with the project "Resonant nanooscillators based on single carbon nanowhiskers for mass detectors and low force sensors" became the winner of the 2022-2024 competition. for the right to receive a grant from the President of the Russian Federation for state support of young doctors of science!

Nanomechanical resonators and oscillators with low mass and volume are of considerable interest in science and technology due to their active use in micro- and nanoelectromechanical systems, such as encoders, accelerometers, nanobalances, nanodynamometers, low-force sensors, including optical ones, and others

The project is devoted to the development of structures and methods for creating nanomechanical oscillators based on single and coupled carbon nanowhiskers and the creation of resonant mass detectors and external force sensors with increased efficiency on their basis.

We congratulate Ivan Sergeevich on his victory and wish him successful completion of the project!