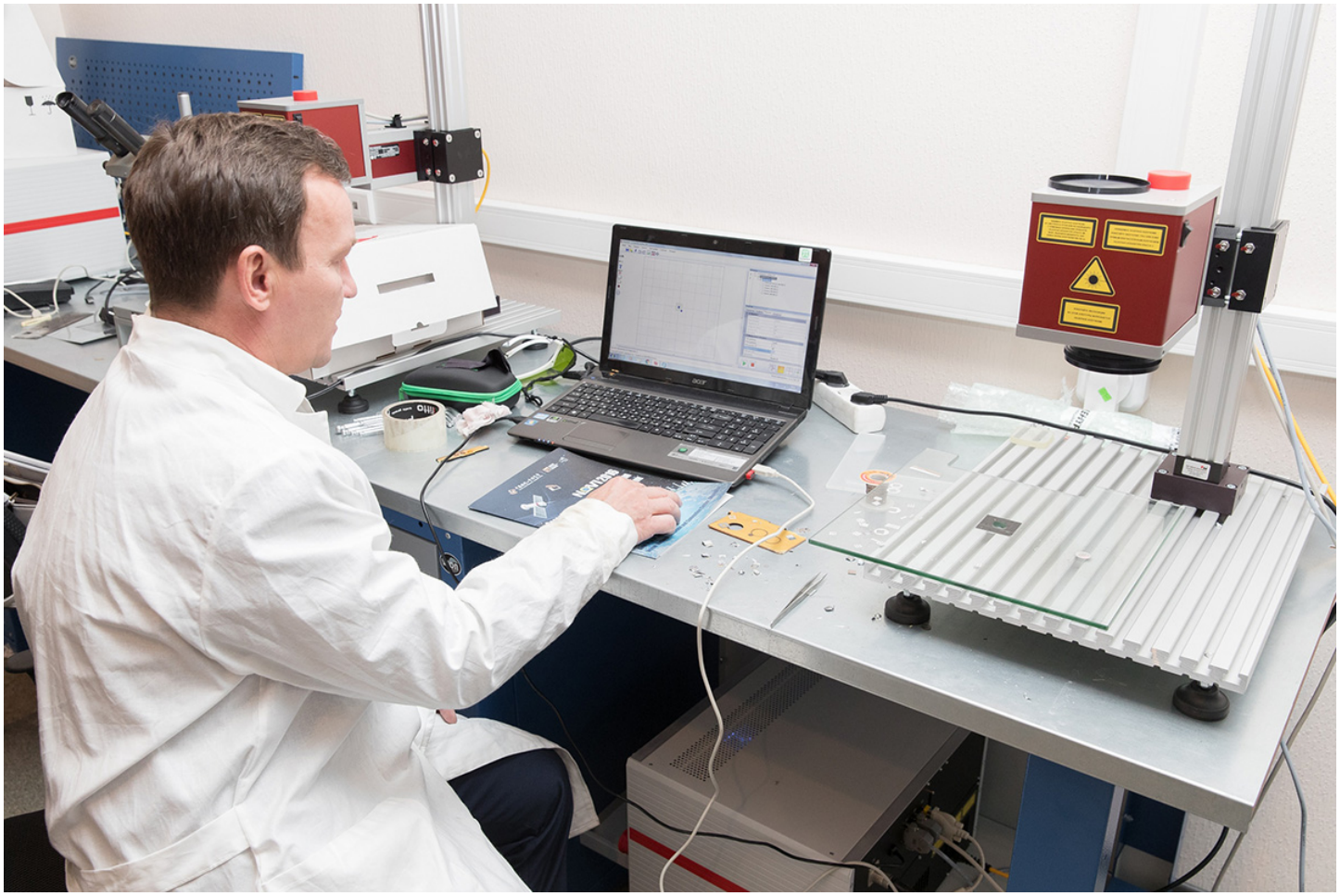
The Polytechnics at the International Competition of Innovative Projects INRADEL-2020



The team of postgraduate students of Polytechnic University FiberOpticLab was selected among the 34 most promising participants from 13 cities of Russia for the third stage of the INRADEL-2020 competition of innovative projects in the field of early-stage electronics. The competition is held with the support of the Ministry of Industry and Trade of Russia to help young scientists translate their ideas into a high-tech business and build a career in the radio-electronic industry.

Valentina TYOMKINA and Alexey MAISEL are members of the FiberOpticLab team. They presented a project to create a more accurate, stable, reliable, and less expensive (as compared to existing analogues) design of a digital fiber optic current transformer. Young scientists use domestic original scientific solutions and data processing algorithms that can be employed to create competitive Russian-made optical current transformers (OTT).

At this point of the educational stage of the competition, all participants under the guidance of 14 best trainers master four training modules for the effective development and “packaging” of projects. In the first module, teams will be helped to test their ideas: analyze the market, identify target audiences, and identify key issues. The second module helps in the formation of a strategy, preparation of a business plan and a project roadmap. In the third module, the contestants will get acquainted with the principles of building financial models and calculating indicators of investment

attractiveness. The fourth module will be devoted to “packaging” a startup, i.e., preparing a speech.

According to the FiberOpticLab participants, at INRADEL-2020 the team will have to thoroughly “work with the market”: interview potential consumers, test market hypotheses, and establish interaction with profile investors (in the near future). *“And in the long term, we will already be engaged in the development of design solutions, prototyping, testing, certification and setting up a supply chain and launching production,”* Valentina TYOMKINA specified.

We pull for our participants, follow their progress in the competition and sincerely wish them victory!