

# INFORMATION



## THE MASTER'S PROGRAMME OF THE RUSSIAN-GERMAN CENTRE FOR APPLIED AND COMPUTATIONAL PHYSICS (*ACOPHYS*) AT SAINT PETERSBURG STATE UNIVERSITY

The centre is a joint project between St. Petersburg State University and three German universities — the Ilmenau University of Technology, the University of Leipzig and the Technical University of Munich. The centre was established as a result of long-standing cooperation between Leningrad/Saint Petersburg State University, which has always been distinguished by active research. Thus, the project is implemented in close collaboration with the Ioffe Physical-Technical Institute of the Russian Academy of Sciences.

The ACOPhys training programme is oriented towards research and was designed as a master's programme. The project implements three two-year master's programmes:

- new materials and nanotechnologies (NewMat), coordinated by Prof. Vadim Agekyan (SPSU) and Prof. Gerhardt Gobsch (Ilmenau UT);
- semiconductor physics and optoelectronics (SCPhys), coordinated by Prof. Boris Novikov (SPSU) and Prof. Dieter Michel (University of Leipzig);
- computer physics and information technologies (ComPhys), coordinated by Prof. Sergey Yakovelev, Prof. Sergeu Slavyanov (SPSU), and Prof. A. Alfred Laubereau (TU of Munich).

The programme is meant for graduate students. Students are expected to possess the requisite level of knowledge of physics and mathematics. The partner universities select students for the participation in the programme. Tuition fees for Russian students are paid by the Russian Federation; students are required to comply with the Charter of Saint Petersburg State University. The German partner universities select German students on competitive basis.

The partners evince mutual interest in adopting the European educational system in the framework of the Bologna process. Thus, knowledge is assessed according to the ECTS grading scale. The Russian Federation has been taking part in the process since November 19, 2003. The project partners commit themselves to maintain the high quality of education in physics at the level of preceding research-oriented training in physics in both countries. Thus, the type and quality of master's thesis as independent research

should reflect the level of qualification obtained when completing a thesis in both countries. Therefore, the master's programmes offered should become applied physics programmes closely connected with industry, which will give rise to the development of new forms of cooperation.

Since the project complies with the requirements of the Bologna principles, academic performance is assessed according to the ECTS grading scale. A master's programme is 120 credit points (approximately 30 credit points per semester), 75 of them account for the educational part of the programme, 15 for research and internship, 30 for the preparation of master's thesis. These research the level of publications in international research journals. Upon graduation, students are awarded a Master of Science degree, which allows them to continue education as PhD candidates. Graduated receive a Russian Federation diploma with an addendum.

### Application procedure for international students

1. Contact the International Office of Saint Petersburg State University at [www.spbu.ru/eng/Education/CIE/](http://www.spbu.ru/eng/Education/CIE/).

2. Fill in an application for the programme at [www.spbu.ru/e/Education/appform/](http://www.spbu.ru/e/Education/appform/) marking it "ACOPhys programme".

3. Send a copy of your passport at [interoffice@om1636.spb.edu](mailto:interoffice@om1636.spb.edu) and [mikushev@paloma.spbu.ru](mailto:mikushev@paloma.spbu.ru) and follow the guidelines.

4. Notify the international affairs assistant to the Dean of the Faculty of Physics, Ye. Serova, at + 7 812 428 4314/serova.elena@gmail.com that you have completed the previous steps.

5. Additional information:

— in the framework of the programme, international students attend Russian language classes (6 hours per week);

— students have an opportunity to reside in the SPSU halls of residence located in Peterhof (Botanicheskaya str.) (rooms are shared between 2—3 people, the cost of accommodation per person is equivalent to 12 USD per month);

— the campus has shops, call shops, a cafe, student clubs, and a cyber-cafe (internet access at a rate equivalent to 1 EUR per hour);

— buses run regularly from the main entrance of the university to Stary Peterhof and Avtovo metro station (approximately 50 minutes in normal traffic conditions).

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