

## **Post-doctoral research position in Microwave Metamaterials**

ITMO University (Saint-Petersburg, Russia) is offering a postdoctoral position to a bright and highly motivated young scientist who wishes to enhance his/her scientific career.

The successful candidate will be joining the recently established laboratory "Metamaterials" (<https://metalab.ifmo.ru/>) led by Prof. Pavel Belov. The group has experience both in theoretical modeling and experimental studies in the areas of microwave metamaterials and metasurfaces, microwave devices, antennas and their applications, etc. In the laboratory theoreticians closely collaborate with the experimentalists possessing state of the art facilities for microwave experiments.

The candidate will participate in the on-going projects of the group and will be involved in the development and characterization of microwave metamaterials. It can be either study of novel complex physical phenomena in the microwave frequency range or development of prospective applications with the particular interest in artificial structures for wireless power transfer and magnetic resonance imaging.

A full list of the available equipment is here: <https://metalab.ifmo.ru/equipment/>.

Starting salary is from 100 000 RUB depending on candidate qualification. Further growth of salary is possible.

### **Requirements**

Candidates must hold an internationally-recognized Ph.D.-equivalent degree (or evidence of its completion in the nearest future), preferably in Radio Engineering. The expertise in microwave design, technology and techniques, microelectronics, electrical engineering and microwave experiment are highly required.

The candidate should have a proven experience in measurements of microwave devices/metamaterials and track record in academics and research, along with the experience in microwave measurement techniques and analysis, numerical simulations of electrodynamic problems (CST MWS/COMSOL/HFSS or other numerical packages). Advanced skills in programming (C, Matlab, LabView or script languages), and expertise in CAD software and machine operation will be advantageous. Creativity, independent thinking, and readiness to conduct standalone research projects will be evaluated as highly as professional skills.

### **Application Process**

The formal application should be submitted online via [nm@corp.ifmo.ru](mailto:nm@corp.ifmo.ru).

Suitable candidates are requested to submit:

- Motivation letter with a declaration of interest,
- Curriculum Vitae, including full address, contact phone number and e-mail address,
- The contact e-mail of two potential referees.

Candidates should be willing to be contacted by phone during the selection process. Candidates may contact address for informal enquiries regarding the application to Margarita Petrova [petrovamargo155@gmail.com](mailto:petrovamargo155@gmail.com).