

**AT THE INSTITUTE OF MATERIALS SCIENCE**

<b>Name of department</b>	<b>Name of position</b>	<b>Part of position</b>	<b>Study field</b>	<b>Required competences</b>
Research Laboratory of Surfaces and Thin Films	Chief Researcher	1,0	Materials Engineering (08T); Physics (02P)	Expertise in thin films and surface engineering, and related analytical processes, experience of work with laser radiation and scanning electron microscopy.
Research Laboratory of Surfaces and Thin Films	Senior Researcher	1,0	Materials Engineering (08T); Physics (02P)	Expertise in vacuum processes and vacuum analytical equipment, abilities and experience of work with electronic spectroscopy instruments.
Research Laboratory of Surfaces and Thin Films	Senior Researcher	0,5	Materials Engineering (08T); Physics (02P)	Expertise in technologies of thin films, assessment of mechanical properties of thin films, experience in measuring of electrical characteristics of thin films in dielectric materials.
Research Laboratory of Surfaces and Thin Films	Junior Researcher	0,25	Materials Engineering (08T); Physics (02P)	Expertise in vacuum processes and vacuum analytical equipment, abilities and experience of work with electronic spectroscopy instruments and electrical measurement.
Research Laboratory of Vacuum and Plasma Processes	Chief Researcher	1,0	Materials Engineering (08T); Physics (02P)	Expertise in vacuum processes and technologies, experience of work with two-dimensional and volumetric micro and nano structures and their application.
Research Laboratory of Vacuum and Plasma Processes	Senior Researcher	1,0	Materials Engineering (08T); Physics (02P)	Application of optical spectroscopies for thin structures and nano composites, experience in Raman spectroscopy and infrared spectroscopy.
Research Laboratory of Vacuum and Plasma Processes	Researcher	1,0	Materials Engineering (08T); Physics (02P)	Expertise in vacuum and plasma technologies, experience of work with electronic evaporation, plasma deposition and magnetron thin film systems.
Research Laboratory of Vacuum and Plasma Processes	Junior Researcher	1,0	Materials Engineering (08T); Physics (02P)	Expertise in principles of spectroscopic ellipsometry, ability to apply it to the analysis of thin film, multi-layer and multiphase structures.
Research Laboratory of Nano and Micro Lithography	Chief Researcher	1,0	Materials Engineering (08T); Physics (02P)	Expertise in technological processes of electronic nanolithography, experience of work with electronic lithography and its application in production of micro and nano devices.
Research Laboratory of Nano and Micro Lithography	Senior Researcher	1,0	Materials Engineering (08T); Physics (02P)	Expertise in probe methods and equipment for surface analysis, experience of work with force microscopy and image analysis software.
Research Laboratory of Nano and Micro Lithography	Senior Researcher	1,0	Materials Engineering (08T); Physics (02P)	Knowledge of physical principles and technologies of micro and nano lithography, experience in the field of nanoimprint and contact UV lithography.
Research Laboratory of Nano and Micro Lithography	Junior Researcher	0,5	Materials Engineering (08T); Physics (02P)	Abilities of formation of two-dimensional nano structures, experience of work with capillary deposition equipment and software for digital modelling of physical processes.