PROF. K. BARŠAUSKAS ULTRASOUND RESEARCH INSTITUTE					
Name of the department	Name of the position	Part of FTE	Study field	Science field	Required competences and experience
Digital Simulation Research Laboratory	Researcher	1,0	10T, Measurement Engineering	10T, Measurement Engineering; 01T, Electrical and Electronics Engineering	**Doctor of Science** in the field of Measurement Engineering; **Experience of research activities:** - At least 5 years of research work experience; - Experimental experience of ultrasonic measurement and non-destructive tests; - Knowledge and experience in the area of digital signal processing methods; - Experience of modelling of the propagation of ultrasound waves in various environments using computational methods; - Knowledge and experience in the area of x-ray computed tomography image processing methods; - Experience of participation in the national and international scientific projects; - Experience of preparation of the project proposals for research works; **Knowledge of specific technologies:** MATLAB, Avizo, CIVA, Solidworks; **Additionally required experience and competences:** - Preparation of scientific publications for the journals of foreign publishers; - Qualification improvement certificates; - Educational activities.
Digital Simulation Research Laboratory	Researcher	0,5	10T, Measurement Engineering	10T, Measurement Engineering; 01T, Electrical and Electronics Engineering	**Doctor of Science** in the field of Measurement Engineering; **Experience of research activities:** - At least 4 years of research work experience; - Experience in the areas of ultrasonic measurement and non-destructive tests using directional waves, signal and image processing; - Experience of modelling of the propagation of ultrasound waves in various environments (including composite materials) using computational methods; - Experience of participation in scientific projects; **Knowledge of specific technologies:** - MATLAB; C++; - Systems of ultrasonic measurement and non-destructive tests; - Automated scanning systems for ultrasonic converters and samples. **Additionally required experience and competences:** - Participation in peer-review activities; - Preparation of scientific publications for the journals of foreign publishers.