

University	Peter the Great St. Petersburg Polytechnic University
Level of English proficiency	Fluent
Courses and fields of studies offered for applicants	2.1.1. Building structures, buildings and structures
Projects for potential academic supervision	Textile-reinforced concrete for buildings and structures. Thin-walled building structures made of composite materials. Air-supported and tent building structures.
Topics offered for prospective researches	Building structures made of textile-reinforced concrete. Building structures reinforced with high-strength composite materials. Air-supported and tent building structures
 <p>Research supervisor: Oleg Stolyarov, PhD (Saint Petersburg State University of Industrial Technologies and Design)</p>	<i>Construction &amp; building technology</i>
	Supervisor's research interests Fibrous materials, composites, structural mechanics, mechanical properties, test methods, durability, modelling
	Study program highlights Experimental research
	Supervisor's specific requirements: Good command of English
	Supervisor's publications 14 articles in Web of Science, Scopus, RSCI over the last 5 years. 1. Stolyarov O., Dontsova A., Kozinetc G. Structural behavior of concrete arches reinforced with glass textiles // Magazine of Civil Engineering. 2023, 122. 12202. 2. Stolyarov O., Mostovyykh P. Creep and stress relaxation behavior of woven polyester fabrics: experiment and modeling // Mechanics of Time-Dependent Materials. 2023, 27(1), pp. 207–226. 3. Stolyarov O., Ershov S. Experimental study and finite element analysis of mechanical behavior of plain weave fabric during deformation through a cross-section observation // Materials Today Communications. 2022, 31, 103367. 4. Stolyarov O., Olshevskiy V. Prediction of compressive creep behavior of three-dimensional geomat using stepped isothermal method // International Journal of Geosynthetics and Ground Engineering. 2022, 8(6), 73. 5. Haas R., Quadflieg T., Stolyarov O. Analysis of reinforcement efficiency and microscopic characterization of glass and carbon roving geometry in prestressed concrete composites Journal of Composite Materials, 2021, 55(23), pp. 3293–3305.
	Impacts of Supervisor's research 4 patents Two chapters in peer-reviewed monographs published by Elsevier.