

University	Peter the Great St.Petersburg Polytechnic University
Level of English proficiency	“Upper Intermediate” or “Fluent”
Courses and fields of studies offered for applicants	1.6.21 Geo-ecology 2.1.1. Building Construction and Materials
Projects for potential academic supervision	Development of rational forms and parameters, space-planning solutions for buildings and structures based on conditions and environmental safety. Development of new and improvement of rational types of load-bearing and enclosing structures, design solutions for buildings and structures taking into account the processes occurring in them, natural and climatic conditions, and environmental safety.
Topics offered for prospective researches	Analysis of microclimatic comfort conditions of different types of building Building Life Cycle Assessment (LCA) Environmental impact of the construction materials and methods
 <p>Research supervisor: Ksenia I Strelets Candidate of Science (SPbPU)</p>	Ecological engineering
	Supervisor's research interests CO ² emissions reduction, LCA assessment, construction methods, sustainable materials.
	Supervisor's publications 10 (<i>Web of Science, Scopus, RSCI</i>), <i>Strelets, K.; Zaborova, D.; Kokaya, D.; Petrochenko, M.; Melekhin, E. Building Information Modeling (BIM)-Based Building Life Cycle Assessment (LCA) Using Industry Foundation Classes (IFC) File Format. Sustainability</i> 2025, 17, 2848. https://doi.org/10.3390/su17072848 <i>Strelets, K.; Zaborova D., Serbin I., Petrochenko M., Zavodnova Analysis of Microclimatic Comfort Conditions in University Classrooms, E. Sustainability.</i> – 2024. – T. 16(8). – P. 3388 <i>Strelets, K.; Petrochenko, M.V., Nedviga, P.N., Kukina, A.A., Sherstyuk, V.V. Machine learning model for the bim classification in ifc format Magazine of Civil Engineering, 2024. Article no. 12602.</i>
	Impacts of Supervisor's research Patent for invention https://new.fips.ru/registers-doc-view/fips_servlet?DB=EVM&DocNumber=2024612430&TypeFile=html Membership in the editorial board of the international publication MDPI, reviewing publications indexed in the Scopus databases of the I and II quartiles