


University	Peter the Great St. Petersburg Polytechnic University
Level of English proficiency	Fluent
Courses and fields of studies offered for applicants	5.2.2 Mathematical, statistical and instrumental methods in economics
Projects for potential academic supervision	<ul style="list-style-type: none"> •Digital transformation and energy transition: symbiosis and synergy of technological trends •Technological challenges and socio-economic transformation in the context of energy transitions •Digital and Logistics Infrastructure in the Arctic •Digital Technologies in Biomedical Systems •Improving the economic efficiency of medical organizations through data-driven management
Topics offered for prospective researches	<ul style="list-style-type: none"> •Improving the efficiency of enterprise architectures <name of industry> •Artificial Intelligence and data-driven management of socio-economic systems (companies, industries, regions) •Methods and models for implementing <name of technology and application industry> based on an assessment of their maturity level •Modeling the management system <name of organization> based on <name of technology> •Methods and models for developing decision support systems •Mathematical models for managing business processes of enterprises <name of industry> •Methods and models for designing the transition to new business models of enterprise activities
 <p>Research supervisor: Ilin Igor V, Doctor of Economics (Peter the Great Saint Petersburg University)</p>	<i>Mathematical methods in social sciences</i>
	Supervisor's research interests Enterprise architecture (business architecture, IT architecture, technological architecture), Artificial Intelligence, data management, process management, project management, mathematical methods of economics, automation and digital transformation of enterprises) in the areas of: healthcare, oil refining, logistics, resource supply, transport companies, IT.
	Study program highlights Interdisciplinary research at the intersection of economics, management, mathematical methods, IT
	Supervisor's specific requirements: Basic knowledge of economics, management, business process management, mathematical and/or statistical methods
	Supervisor's publications <ul style="list-style-type: none"> • Levina, A., Ilin, I., Trifonova, N., & Tick, A. (2023). Data-Driven Management of Vaccination and Its Consequences. Systems, 11(11), 553. – Q2 • Politaeva, N., Ilin, I., Velmozhina, K., & Shinkevich, P.

	<p>(2023). Carbon Dioxide Utilization Using Chlorella Microalgae. <i>Environments</i>, 10(7), 109. – Q2</p> <ul style="list-style-type: none">• Ilin I. et al. System of Project Management at a Medical Hub as an Instrument for Implementation of Open Innovation // <i>Systems</i>. – 2023. – T. 11. – №. 4. – C. 182. – Q2• Ilinskiy A. et al. Features of the Phytoremediation by Agricultural Crops of Heavy Metal Contaminated Soils // <i>Agronomy</i>. – 2022. – T. 13. – №. 1. – C. 127. – Q1• Ilin I. et al. Life-Cycle Contract as an Innovative Business Model for High-Tech Medical Organizations // <i>Journal of Open Innovation: Technology, Market, and Complexity</i>. – 2022. – T. 8. – №. 4. – C. 207. – Q1
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