


University	Saint Petersburg Electrotechnical University "LETI"
Level of English language proficiency	Upper intermediate (B2)
PhD direction	2.4.2 Electrotechnical complexes and systems
Research projects of a potential supervisor	<ol style="list-style-type: none"> 1. Development of models and methods for monitoring electric motors in order to plan the resources of electric motors for oil industry 2. Modeling the movement of electric vehicles in typical operating modes 3. Design and research of a new technology for measuring the coefficient of airfield pavements adhesion and the development on its basis of a mobile complex for predicting the safe landing of air transport 4. Energy-efficient electric drive systems of industrial facilities
List of possible researches	modern intellectual methods of control theory for mechatronic systems and complexes, mathematical modeling, research of nonlinear systems
 <p>Research supervisor: Anastasia D. Skakun (Stotckaia) Candidate of science. Department of Automatic Control Systems (Saint Petersburg Electrotechnical University "LETI")</p>	2.02. Electrical Engineering, Electronic Engineering, Automated Control Systems
	Research highlights: <i>The program provides modern methods of automatic control theory, methods of analysis, design of nonlinear, adaptive and intelligent control systems</i>
	Supervisor's specific requirements: <ul style="list-style-type: none"> • <i>The basic of designing electric drive systems</i> • <i>programming of PLC and microcontrollers</i>
	Supervisor's main publications: <ul style="list-style-type: none"> • Lillo, A.V., Skakun, A.D. Study of the Control System for a Three-Phase Active Voltage Rectifier (2022) Russian Electrical Engineering, 93 (3), pp. 196-201. DOI: 10.3103/S1068371222030117 • Prakosa, J.A., Gusrialdi, A., Kurniawan, E., Stotckaia, A.D., Adinanta, H., Suryadi Experimentally robustness improvement of DC motor speed control optimization by H-infinity of mixed-sensitivity synthesis (2022) International Journal of Dynamics and Control, DOI: 10.1007/s40435-022-00956-y • Kuznetsov, V.E., Skakun, A.D., Chung, P.T., Khanh, N.D. Adaptive Algorithms for a Servo System Using a Linear Electric Motor (2021) Russian Electrical Engineering, 92 (3), pp. 169-174. DOI: 10.3103/S1068371221030081 • Prakosa, J.A., Stotckaia, A.D. The H-infinity robust control for optimization on low water flow application (2019) Journal of Advanced Research in Dynamical and Control Systems, 11 (4 Special Issue), pp. 1995-2006 • Polyakhov, N.D., Stotckaia, A.D., Prikhodko, I.A., Ha, A.T. The pseudo adaptive algorithm of control over a dynamic plant with limited uncertainty (2017) International Journal of Applied Engineering Research, 12 (15), pp. 4870-4876.
	Results of intellectual activity: 2 patents, 3 computer programs

