

Potential scientific supervisors: Computer Sciences and Data Sciences

No	Full name	University	Field of study	Link to portfolio
1	Danil Zakoldaev	ITMO University	<ol style="list-style-type: none"> 1. Blockchain technologies applications to ensure cyber security 2. Features of ensuring information and functional security of cyber-physical systems 3. Development and improvement of modern methods of detecting and resisting network attacks 	https://aspirantura.itmo.ru/?main=43&page=870
2	Yury Matveev	ITMO University	<ol style="list-style-type: none"> 1. Voice biometrics 2. Facial biometrics 3. Speech and biometric information technology 	https://aspirantura.itmo.ru/?main=43&page=906
3	Dmitry Mouromtsev.	ITMO University	Intelligent information processing and semantic technologies	https://aspirantura.itmo.ru/?main=43&page=909
4	Maxim Klopotov	ITMO University	<ol style="list-style-type: none"> 1. Educational analytics 2. Social network data analysis 3. Network analysis methods for natural language processing 4. Methods and algorithms for supporting managerial decision-making in economic and social systems 	https://aspirantura.itmo.ru/?main=43&page=915

No	Full name	University	Field of study	Link to portfolio
5	Dmitry I. Kaplun	Saint Petersburg Electrotechnical University "LETI"	Research for increasing performance of embedded systems, vector processors, FPGA and SoC with using Residue Number System, spatio-temporal metrics, hardware structures. Applied of Artificial Intelligence and Machine Learning to Biomedical Systems.	https://etu.ru/assets/files/oda/struktura-portfolio-pnr-angl_kaplun.pdf
6	Alexey A. Paznikov	Saint Petersburg Electrotechnical University "LETI"	Optimization of parallel program execution on multiarchitectural hierarchical distributed computer systems	https://etu.ru/assets/files/oda/p5-paznikov-angl.pdf
7	Evgenia Novikova	Saint Petersburg Electrotechnical University "LETI"	Attacker behavior profiling, analysis of relation between low level raw network, system and security events and high level attributes of threat actor model, automation of ATT&CK MITRE attack pattern and techniques detection in streaming network data and security events.	https://etu.ru/assets/files/oda/attacker-behavior-profiling-analysis-of-privacy-preserving-techniques-in-federated-learning-systems-evgenia-novikova.pdf
8	Alla B. Levina	Saint Petersburg Electrotechnical University "LETI"	cryptography, information security, coding theory, side-channel attacks	https://etu.ru/assets/files/oda/struktura-portfolio-pnr-angl_levina.pdf

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9	Denis Butusov	Saint Petersburg Electrotechnical University "LETI"	Numerical methods, chaos theory & applications, advanced neural networks, biological neuron simulation, memristors, nonlinear dynamics, signal processing, advanced robotics	https://etu.ru/assets/files/oda/chislennyye-metody-teoriya-i-prilozheniya-haosa-perspektivnye-arhitektury-nejronnyh-setej-modelirovanie-biologicheskikh-nejronov-d.n.butusov.pdf
10	Mikhail I. Bogachev	Saint Petersburg Electrotechnical University "LETI"	Data Science and Applied Statistics with particular focus on Time Series Analysis and Complex Systems Dynamics, with applications to Bioinformatics, Computational Biology, Climate, Geosciences, Finance, Networks, Physiology and Medicine	https://etu.ru/assets/files/oda/bogachev.pdf
11	Bruno Frederik Bauwens	HSE University	Theoretical computer science: Kolmogorov complexity, computability theory, pseudorandomness, computational complexity and statistical learning theory	https://aspirantura.hse.ru/en/opens/
12	Beaudou Laurent	HSE University	Metric Graph Theory, Formal concept Analysis, Querying Graph-database (Studying the possible imports from continuous topology to discrete metric spaces induced by graphs Studying recognition of Formal contexts issued from convexity in graphs and searching for applications)	https://aspirantura.hse.ru/en/opens/

No	Full name	University	Field of study	Link to portfolio
13	Alexey A. Kytmanov	Siberian Federal University	computer algebra; multivariate complex analysis; algebraic geometry; mathematics education	http://www.sfu-kras.ru/files/Alexey A. Kytmanov.pdf
14	Aksenov Konstantin Alexandrovich	UrFU	<ul style="list-style-type: none"> • Applying methods of system analysis and synthesis, decision-making, calculation experiments, and numerical methods • Research and design of hybrid modeling and decision-making methods • Big Data processing, knowledge processing 	https://science.urfu.ru/en/persons/%D0%BA%D0%BE%D0%BD%D1%81%D1%82%D0%B0%D0%BD%D1%82%D0%B8%D0%BD-%D0%B0%D0%BB%D0%B5%D0%BA%D1%81%D0%B0%D0%BD%D0%B4%D1%80%D0%BE%D0%B2%D0%B8%D1%87-%D0%B0%D0%BA%D1%81%D0%B5%D0%BD%D0%BE%D0%B2
15	Shabunin Sergey Nikolaevich	UrFU	<ul style="list-style-type: none"> • Electromagnetic theory and techniques • Microstrip antennas and antenna arrays • Antenna radomes • Metamaterials utilization in microwave devices • Electromagnetic scattering 	https://science.urfu.ru/en/persons/%D1%81%D0%B5%D1%80%D0%B3%D0%B5%D0%B9-%D0%BD%D0%B8%D0%BA%D0%BE%D0%BB%D0%B0%D0%B5%D0%B2%D0%B8%D1%87-%D1%88%D0%B0%D0%B1%D1%83%D0%BD%D0%B8%D0%BD
16	Ogorodnikova Olga Mikhailovna	UrFU	Robotics, simulation, computer aided engineering	https://science.urfu.ru/en/persons/%D0%BE%D0%BB%D1%8C%D0%B3%D0%B0-%D0%BC%D0%B8%D1%85%D0%B0%D0%B9%D0%BB%D0%BE%D0%B2%D0%BD%D0%B0-%D0%BE%D0%B3%D0%BE%D1%80%D0%BE%D0%B4%D0%BD%D0%B8%D0%BA%D0%BE%D0%B2%D0%B0

LIST OF POTENTIAL SCIENTIFIC SUPERVISORS

№	Full name	University	Field of study	Link to portfolio
17	Borisov Vasili Il'ich	UrFU	Biomedical engineering; Processing of biomedical signals; Intelligent interfaces; Nonlinear dynamics	https://science.urfu.ru/en/persons/%D0%B2%D0%B0%D1%81%D0%B8%D0%BB%D0%B8%D0%B9-%D0%B8%D0%BB%D1%8C%D0%B8%D1%87-%D0%B1%D0%BE%D1%80%D0%B8%D1%81%D0%BE%D0%B2
18	Topolsky Dmitry Valerianovich	South Ural State University (National Research University)	Increasing the level of automation of technological processes and scientific research, computer modeling of systems including intelligent electronic devices, the introduction of computer technologies in the educational process, the use of free software for education and science	https://www.susu.ru/en/topolsky-dmitry-valerianovich