Potential scientific supervisors: Applied Mathematics & Artificial Intelligence

№	Surname	Name	University	Scientific interests	Link to portfolio
1.	Zenkova	Zhanna	National Research Tomsk State University	Statistical modeling based on complete and censored (including interval) data using additional information; application of the models and their modifications in economics, including in marketing, insurance and actuarial calculations and in logistics.	https://tsuod.tilda.ws/ingaeng
2.	Paul	Svetlana	National Research Tomsk State University	Theory of random processes, queuing theory, development of analytical methods for studying mathematical models of telecommunication systems and communication networks.	https://tsuod.tilda.ws/paulen
3.	Rozhkova	Svetlana	National Research Tomsk State University	Filtering, interpolation, extrapolation, recognition of stochastic processes, transmission of stochastic signals trough continuous and discrete channels with memory; detection of anomalous noises; queuing theory.	https://tsuod.tilda.ws/rozhkovaen
4.	Akimova	Elena	Ural Federal University named after the first President of Russia B.N. Yeltsin	Numerical methods, parallel algorithms, multiprocessor computing systems, ill-posed problems, forward and inverse geophysical problems.	https://urfu.ru/en/research/postgraduate-programs-in-english/admission-options/open-doors-olympiad/research-supervisors/elena-n-akimova/
5.	Demidenko	Gennadii	Novosibirsk State University	Boundary value problems for partial differential equations not solvable with respect to the highest order derivative. Properties of quasielliptical operators. Asymptotic properties of solutions to dif.equations.	https://events.nsu.ru/open_doors/ruk/eng/Demidenko.pdf
6.	Kochetov	Yuri	Novosibirsk State University	Transport logistics tasks for supplying gas stations; two-dimensional packaging for rectangular and irregular items; placements with barriers and prohibited areas; scheduling theories for warehouse management with robots.	https://www.nsu.ru/upload/medialibrary/3d5/kqsn2v91u58ekt9hsjuizne2pkvtkqdq/Kochetov-english.pdf
7.	Krivorotko	Olga	Novosibirsk State University	Mathematical modeling, inverse problems, machine learning, epidemiology, identifiability, sensitivity analysis.	https://www.nsu.ru/upload/medialibrary/926/hkdkbu57a232jade73f

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№	Surname	Name	University	Scientific interests	Link to portfolio
					w22bw7mdhsxj4/krivorotko-russian.pdf
8.	Matveeva	Inessa	Novosibirsk State University	Asymptotic properties of solutions to functional differential equations; Stability of solutions to functional differential equations.	https://www.nsu.ru/upload/medialibrary/568/6lqt1lc7prvk0eejgoq3vflwhknuu95h/Matveeva-russian.pdf
9.	Mironov	Andrey	Novosibirsk State University	Integrable systems, geometry, mathematical physics.	https://www.nsu.ru/upload/medialibrary/d0b/n7yqlm8qlfw0j23x2qzvc98v5ody2ok/Mironov-en.pdf
10.	Pavlovsky	Evgeniy	Novosibirsk State University	Models of classification of medical images. Quantum convolutions in image recognition. Recognition of multiple sclerosis foci on MRI images. Segmentation of bone specimens (ribs) in X-ray images.	https://www.nsu.ru/upload/medialibrary/ae0/ahmtcr6meo6e1earhtktlcixmjxu8uqu/%D0%90%D0%BD%D0%BA%D0%B5%D1%82%D0%B0%20%D0%B0%D0%BD%D0%B3%D0%BB_%D0%9F%D0%B0%D0%B2%D0%BB%D0%BE%D0%B2%D1%81%D0%BA%D0%B8%D0%B9.pdf
11.	Nuriev	Artem	Kazan (Volga region) Federal University	Fluid mechanics, computational fluid dynamics, turbulence theory, hydrodynamic stability theory, biomimetic propulsion systems, oscillatory motion in liquid.	https://kpfu.ru/portal/docs/F113378110/Nuriev.ang.docx
12.	Zun	Pavel	ITMO University	Applying computer models, both imitation-based and ML-based, to improve understanding of tissue function and properties, to find ways to design better medical devices and to grow tissues in vitro for transplantology; validation and verification of these models. Main application area is cardiology and the circulatory system.	https://aspirantura.itmo.ru/?main=43
13.	Kudryashov	Nikolay	National Research Nuclear University MEPhI	Nonlinear mathematical models and methods for their research.	https://eng.mephi.ru/study-with-us/contests/supervisors/nakudryashov

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14.	Trofimov	Aleksander	National Research Nuclear University MEPhI	Machine learning and neural networks.	https://eng.mephi.ru/study-with-us/contests/supervisors/agtrofimov
15.	Kryanev	Aleksander	National Research Nuclear University MEPhI	Mathematical theory of nuclear reactors, mathematical methods for processing uncertain data, statistical methods for solving ill-posed problems, including methods for taking into account additional information about the desired solutions.	https://eng.mephi.ru/study-with-us/contests/supervisors/avkryanev

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