

Potential scientific supervisors: Computer & Data Science

№	Surname	Name	University	Scientific interests	Link to portfolio
1.	Agafonov	Evgeny	Siberian Federal University	Development of methods and algorithms for monitoring, control and management in technical systems Development of algorithms for identification and control of complex objects, including distributed, nonlinear and non-stationary ones.	https://www.sfu-kras.ru/files/Agafonov_E.D._Struktura_nauchnogo_profilya_portfolio_PNR_2023_ENG.pdf
2.	Antamoshkin	Oleslav	Siberian Federal University	Optimization of hardware and software resource management in distributed computing networks. Methodology for integrating artificial intelligence technologies into various processes of human activity.	https://www.sfu-kras.ru/files/ENG_Antamoshkin.pdf
3.	Borisov	Vasilii	Ural Federal University named after the first President of Russia B.N. Yeltsin	Biomedical engineering; Processing of biomedical signals; Intelligent interfaces; Nonlinear dynamics.	https://urfu.ru/en/research/postgraduate-programs-in-english/admission-options/open-doors-olympiad/research-supervisors/vasilii-i-borisov/
4.	Demin	Anton	National Research Tomsk Polytechnic University	Parallelization of programs based on graph representations; computer graphics; designing Internet applications; development of modern information systems for monitoring and verification of forest fires.	https://tpu.ru/upload/medialibrary/b5a/xwhqzc8mlykp351fzp09zroor6topzjm/Demin-AYA.pdf
5.	Drobintsev	Pavel	Peter the Great St. Petersburg Polytechnic University	Applications of formal models to software quality assurance.	https://opendoors.spbstu.ru/files/supervisors_portfolio/drobintsev.pdf
6.	Faizrahmanov	Marat	Kazan (Volga region) Federal University	Computable numberings, computable families, computable algebraic systems, Turing degrees, jump operator, degree spectra.	https://kpfu.ru/portal/docs/F1804122959/Fajzrakhmanov.ang.docx
7.	Gapanyuk	Yuriy	Federal State Budgetary Educational Institution of Higher Education «Bauman	Development of management systems for economic and organizational structures. Use of artificial intelligence methods and big data processing platforms in management systems.	https://opendoors.bmstu.ru/eng.html

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			Moscow State Technical University»		
8.	Goryunov	Alexey G.	National Research Tomsk Polytechnic University	Mathematical modeling and simulation physical plant; Control systems; Methods for measurements parameters and variables of technological processes	https://tpu.ru/upload/medialibrary/31d/3iwr8gf5wzz9exrqizksq2298ev6v55h/Goryunov-AYA.pdf
9.	Kazakovtsev	Lev	Siberian Federal University	Self-configuring algorithms for optimization and machine learning, clustering algorithms.	https://www.sfu-kras.ru/files/ENG_Kazakovcev.pdf
10.	Savelev	Aleksei	National Research Tomsk Polytechnic University	Supervisor's research interests (detailed description of research interests): Social media mining, problem-oriented systems, research automation systems.	https://tpu.ru/upload/medialibrary/9be/7urgupmngqbnetraejmagtcf8031cgwy/Savelev-AYA.pdf
11.	Semenov	Konstantin	Peter the Great St. Petersburg Polytechnic University	Probability theory and mathematical statistics, data processing, processing of inaccurate and incomplete data, decision-making under conditions of uncertainty, measurement methods, instrumentation, information-measuring and control systems, metrologically significant software, metrology, mathematical modelling, algorithmization, numerical methods, computational mathematics, physical modelling of processes in fluids, applied hydrodynamics, interaction of sea waves with hydraulic structures, performing meta-analyses, the impact of eco-innovations on the financial performance of companies (in the context of their size), scientometrics.	https://opendoors.spbstu.ru/files/supervisors_portfolio/semenov.pdf
12.	Shilin	Alexander	National Research Tomsk Polytechnic University	Development of theory and applied methods in process control systems based on micro-controllers. Optimal control of dynamic systems.	https://tpu.ru/upload/medialibrary/afd/uorf9lbq8y15qqe70ew0ldlp1xb2eczv/SHilin-A.YA.pdf
13.	Shkodyrev	Vyacheslav	Peter the Great St. Petersburg Polytechnic University	Complex research of scientific and technical problems using modern technology of mathematical modeling and computational experiment.	https://opendoors.spbstu.ru/files/supervisors_portfolio/shkodyrev.pdf

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14.	Stupina	Alena	Siberian Federal University	System analysis of complex systems, GERT network planning, multiversion software, hybrid optimization methods.	https://www.sfu-kras.ru/files/ENG_Stupina.pdf
15.	Temkin	Igor	University of Science and Technology MISIS	Designing and researching some algorithms for a group of autonomous transport agents control using dynamic 3D models (digital shadows). Developing the models for predicting of the dynamic processes parameters based on inductive learning mechanisms.	https://en.misis.ru/files/-/99492fa664dd70907d116774d0e9106e/tmk_e.pdf
16.	Tvardovskii	Alexander	National Research Tomsk State University	Finite state machine based analysis and synthesis; Network security, traffic analysis; Analysis and development of access control systems; Distributed ledgers.	https://tsuod.tilda.ws/tvardovskye
17.	Vasiliev	Alexander	Kazan (Volga region) Federal University	Computation of parameters for quantum hash functions. Analysis of cryptographic resistance of quantum hashing	https://kpfu.ru/portal/docs/F514652751/Vasilev.A.V...ang.docx
18.	Volkov	Mikhail	Ural Federal University named after the first President of Russia B.N. Yeltsin	Problems at the interface of semigroup and semi-ring theory and computer science	https://urfu.ru/en/research/postgraduate-programs-in-english/admission-options/open-doors-olympiad/research-supervisors/mikhail-v-volkov/
19.	Yamaleev	Mars	Kazan (Volga region) Federal University	Computability Theory and Mathematical Logic.	https://kpfu.ru/portal/docs/F1607105478/Yamaleev.ang.docx
20.	Zakoldaev	Danil	ITMO University	Blockchain technologies applications to ensure cyber security. Features of ensuring information and functional security of cyber-physical systems. Development and improvement of modern methods of detect-ing and resisting network attacks.	https://aspirantura.itmo.ru/?main=43
21.	Zuev	Denis	Kazan (Volga region) Federal University	Analytics and data management; intensive use of data; electronic libraries; clustering; classification; recommender system; microservice architecture; semantic technologies.	https://kpfu.ru/portal/docs/F_556484904/Zuev.DS.ang.docx