Potential scientific supervisors: Computer & Data Science

№	Surname	Name	University	Scientific interests	Link to portfolio
1.	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/tvardovskyen
2.	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
3.	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/uorf9lbq8yl5qqe70ew0ldlp1xb2eczw/SHilin-_A.YA_.pdf
4.	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/7urgupmngqbnetraejmagtcf8o31cgwy/Savelev-AYA.pdf
5.	Goryunov	Alexey	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
6.	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/
7.	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/
8.	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

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9.	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
10.	Yamaleev	Mars	Kazan (Volga region) Federal University	Computability Theory and Mathematical Logic.	https://kpfu.ru/portal/docs/F1607105478/Yamaleev.ang.docx
11.	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
12.	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
13.	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
14.	Kazakovtsev	Lev	Siberian Federal University	Self-configering algorithms for optimization and machine learning, clustering algorithms.	https://www.sfu-kras.ru/files/ENG_Kazakovcev.pd

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15.	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
16.	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
17.	Zakoldaev	Danil	ITMO University	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 detect-ing and resisting network attacks.	https://aspirantura.itmo.ru/?main=43
18.	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