

Curriculum vitae

Personal data

Name: Vladimir Bukhtoyarov
Address: 3 Avgusta str., 24-177, 660133 Krasnoyarsk, Russia
Phone: +7 983 150 5464
E-mail address: vladber@list.ru
Marital status: married
Nationality: Russian
Date of birth: 25. October 1986 in Krasnoyarsk, Russia

Education

2010 Russian candidate of technical sciences
2008 – 2010 Master of System Analysis and Control (Honoured Degree)
Dept. of System Analysis and Operations Research
Institute of Computer Science and Telecommunications
Siberian State Aerospace University
Krasnoyarsk, Russia
2004 – 2008 Bachelor of System Analysis and Control (Honoured Degree)
Dept. of System Analysis and Operations Research
Institute of Computer Science and Telecommunications
Siberian State Aerospace University
Krasnoyarsk, Russia
1996 – 2004 Secondary school, Gymnasium No. 164
Zelenogorsk, Russia
1994 – 1996 Elementary school, Gymnasium No. 164
Zelenogorsk, Russia

Research interests

Computing, Knowledge Discovery & Data Mining, Artificial & Computational Intelligence (artificial neural networks, fuzzy rules based systems, neuro-fuzzy systems, evolutionary algorithms, self-adaptation), Speech recognition

Work experience

2012– present Associate Professor, Department of Production Machinery and Equipment For Oil and Gas Industry, Institute of Oil and Gas, Siberian Federal University
2012 – present CIO, limited liability company “Artificial Intelligence”
2011 – 2013 Senior Lecturer, Department of Information Security, Siberian State Aerospace University
2010 – 2011 Junior Research Fellow, Siberian State Aerospace University
2013 – 2014 Development of the algorithmic core for program system for complex evaluation of reliability of oil and gas industry equipment – Oil Company Grant – responsibilities: *project management, algorithms development, software implementation.*
2013 – 2014 Development and research of bioinspired algorithms for intelligent systems of information security, Siberian State Aerospace University, Grant, - responsibilities: *algorithms development, software implementation.*
2012 – 2013 Development of ensembles of bioinspired algorithms for detecting information security incidents, Siberian State Aerospace University, Grant, - responsibilities: *algorithms development, software implementation.*

2011 – 2012	Development of technology for synthesis of secured automated systems parameters, algorithms for intelligent systems of information security, Siberian State Aerospace University, Government Contract – responsibilities: <i>algorithms development, software implementation.</i>
Disciplines	Modeling and optimization of production machinery and equipment for oil and gas industry Technical systems control Theory of technical systems control Quality management in technical and production systems Diagnostics of production machinery for reliability Monitoring of the state of production machinery and equipment Modeling of chemical-technological processes
Languages	Russian (native language) English (upper intermediate) German (beginner)
Computer skills	<u>Operating systems:</u> Linux, Windows XP, Vista, 7 <u>Programming languages:</u> C++, SQL, HTML <u>Software development environments:</u> C++ RAD Studio, MS Visual Studio 2008, 2010, Borland C++ Builder 6 <u>Other products:</u> MS Office, MathCAD, MATLAB, MySQL, MS SQL Server
Achievements	Siberian Federal University and Bank “International Financial Club” Award for results obtained in the field of information technology (2014) Siberian State Aerospace University "Best student" award (2010) The President of Russia Prize for talented youth (2009)– <i>PEGAS – evolutionary approaches for design of intelligent information technologies</i> The President of Russia Scholarship (2009) Krasnoyarsk city Mayor Price for talented youth (2009) Krasnoyarsk Territory Governor Scholarship (2009) Best talk awards from different scientific conferences of young scientists (2007-2010)
Certificates	-
Publications	7 International conference papers, 7 journal papers, over 20 others Indexed in Scopus: Bukhtoyarov, V., & Zhukov, V. (2014). Ensemble-Distributed Approach in Classification Problem Solution for Intrusion Detection Systems. In <i>Intelligent Data Engineering and Automated Learning–IDEAL 2014</i> (pp. 255-265). Springer International Publishing. Bukhtoyarov, V., & Semenkin, E. (2013). Evolutionary Three-Stage Approach for Designing of Neural Networks Ensembles for Classification Problems. In <i>Advances in Swarm Intelligence</i> (pp. 467-477). Springer Berlin Heidelberg. Bukhtoyarov, V., & Semenkin, E. (2012, June). Neural networks ensemble approach for detecting attacks in computer networks. In <i>Evolutionary Computation (CEC), 2012 IEEE Congress on</i> (pp. 1-6). IEEE.

Bukhtoyarov, V., Semenkin, E., & Shabalov, A. (2012). Neural networks ensembles approach for simulation of solar arrays degradation process. In *Hybrid Artificial Intelligent Systems* (pp. 186-195). Springer Berlin Heidelberg.

Bukhtoyarov, V., Semenkin, E., Sergienko, R., Evolutionary approach for automatic design of neural networks ensembles for modeling and time series forecasting. In *Proceedings of the IADIS International Conference Intelligent Systems and Agents 2011, Part of the IADIS Multi Conference on Computer Science and Information Systems 2011, MCCSIS 2011* pp. 93-96.

Sergienko, R. B., Semenkin, E. S., & Bukhtoyarov, V. V. Hybrid fuzzy classifier design with coevolutionary genetic algorithm. In *Proceedings of the IADIS International Conferences - Informatics 2011, Wireless Applications and Computing 2011, Telecommunications, Networks and Systems 2011, Part of the IADIS, MCCSIS 2011*, pp. 35-42.

Bukhtoyarov, V. V., & Semenkina, O. E. (2010, July). Comprehensive evolutionary approach for neural network ensemble automatic design. In *Evolutionary Computation (CEC), 2010 IEEE Congress on* (pp. 1-6). IEEE.

Hobbies

Studies: Hardware

Sports: Snowboarding, swimming, cycling.

Additional Skills

candidate master of sports in swimming

candidate master of sports in powerlifting