Curriculum Vitae

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Academic degree and scientific school: -

Candidate of Physical and Mathematical Sciences, Associate Professor St. Petersburg State University, Faculty of Applied Mathematics - Manage- ment Processes

Scientific interests: programming, cryptosystems based on finite state machines, data mining.

Read courses: Assembler programming language, Multithreaded programming, Object-oriented programming in Java, Knowledge analysis, Methods of data analysis, Software design, Models of data organization, WEB-programming.

Author's courses: Assembler programming language, Multithreaded programming, Methods of data analysis, WEB-programming

Professional experience:

Since 2020 an Associate Professorof the Department of Information Security,ENU. from 2015 to 2020 Associate Professor of the Department of Informatics and Information Security, ENU.

From 2013 to 2015 a Head of Department Multilingual education, ENU

From 2011 to 2013, a senior manager at the branch scientific institute «Institute of high technologies» LLP

From 2008 to 2011, a Head of the Depart- ment of Academic Affairs, a Dean of the Faculty of Economics and Technology at the Kazakh University of Technology and Busi-ness

From 2007 to 2008, an Associate Professor of Department of mathematics at the Ka- zakhstan branch of Lomonosov Moscow State University.

From 2002 to 2008, a Head of Educational Department, an associated professor of De- partment of Information Systems at the L.N.Gumilyov ENU.

From 1987 to 2002, a lecturer, a senior lec- turer and a Head of the Department of Infor- matics at the Aqtobe State University named after K. Zhubanov.

From 1988 to 1992, researcher, graduate stu- dent of St. Petersburg State University, Fac-ulty of Applied Mathematics and Control Pro-cesses

Publications:

1. Application of finite automata in cryptography. ACM International Conference Proceeding Series. ISSN 978-1-4503-7212-1, 2019
2. KPI estimation for the university faculty. ACM International Conference Proceeding Series. ISSN 978-1-4503-7212-1, 2019
3. Онтология конечно-автоматной криптографии. Научный журнал Онтология проектирования. ISSN 2223-9537, 2019, стр. 36-49.
4. Применение конечных автоматов без выхода в шифровании информации. Вестник Семипалатинского государственного университета им. Шакарима. (Технические науки и технологии), ISSN 1607-2774, №1(85)2019, стр. 138-143
5. Matlab Fuzzy Logic Toolbox саймандарының көмегімен бұлдыр модел-дерді құру: Оқу құралы Астана қ., ISBN 978-601-326-064-8, 20.09.17. (Сауханова М.С.)
6. Параллель программалау негіздерін оқыту әдістемесі. II международная научно-практическая конференция «Перспективы развития современной науки», Южная Корея, 19-21 апреля 2017 г, стр. 226-233. (Сауханова М.С.)

Certificates: 1. Прикладной статистический анализ. Открытое образование. НИУ Высшая школа экономики, 14 февраля -21 апреля, 2019. 2. Awarded with certificate for participation at Workshop on High Performance Computing, Astana, 5-9 June, 2017. 3. Fundamentals of InterSystems DeepSee Corporation branch InterSystems, International Corporation in Russia and CIS countries, Астана 11-14 февраля 2014 г. 4. Advanced control systems in automation. Big Data, Курсы PhD докторов Harry Heikura, Arto Toppinen университета Savonia University of Applied Sciences, Finland, 16.05.16 - 20.05.16 The Educational Program at Java Laboratory, EPAM Systems Inc., Астана, 05/2013 - 09/2013	Rapid Miner ортасында мәтіндерді талдау. VI Международная научно-практическую конференция «Информатизация общества» 16 июня 2017 г, стр. 243-246. (Сауханова М.С., Калдыбек А.)