**Resume**

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| **last and first name:Аkishev Karshyga** | |
| **Education:** | |
|  | Higher education, 1983-1989. Leningrad Polytechnic Institute named after M.I. Kalinin, specialty - Mechanical engineering technology, metal-cutting machines and tools, technology of robotic production.  In 1992-1995, postgraduate studies at Pavlodar State University, specialty-automation and control of technological processes and production (by industry) |
| qualification | specialty |
| Specialization: | Automation and control of technological processes and productions (by industry) |
| The Hirsch Index | Scopus-1,РИНЦ-1 |
| **Work experience:** | |
| *Academic:* | |
| From 1.09.2021-to the present | senior lecturer of the Department of "Information Technologies" |
| From 1.09.2018-31.08.2021 | Senior lecturer Toraigyrov University Department of Metallurgy |
| 1.09.1995-1.05.1996 - | Senior lecturer of the Department of Computer Engineering of Pavlodar State University. Toraighyrova |
| 1.11.1992-1995- | Postgraduate student of the Department of "Computer Engineering" of Pavlodar Technical University |
| 1.09.1991-1992- | trainee researcher, Department of "Computer Engineering" of Pavlodar Industrial Institute |
| 04.14.1989-1.09.1991- | Assistant of the Department "Computer Engineering" of Pavlodar Industrial Institute |
| Employment | full-time |
| *Non - academic:* | |
|  | 1.01.2018-1.09.2018- Инженер-исследователь компании Huawei, Шеньжен  17.03.107-31.12.2017 – ИП Акишев, Директор, Астана  16.11.2016-17.03.2017 - Главный менеджер Tele2, Астана  13.11.2013-15.11.2016 - Технический директор Акмолинского филиала АО "АЛТЕЛ", г. Астана  03..05.2013-12.11.2013-Административный директор Акмолинского филиала АО "АЛТЕЛ", г. Астана  16.10.2007-02.05.2013 - директор Павлодар бранч оф АЛТЕЛ ЖСК , Павлодар  1.10. 2007-1.05.2011, Директор представительства ТОО "Ивент Телеком", г. Павлодар |
| **Professional development:** | |
|  | . "Strategic Management, International Project Management, Entrepreneurship and Commercialization"Certificate, October, 2018  - "Improving the quality of scientific research using Scopus and Science Direct databases", Certificate dated 28.11.2018  - - English language program,Certificate December 2018 (English language teaching methodology courses  - Innovative scientific and production technologies and equipment in the field of metallurgy.Certificate. January 2019. |
| Activities in the service sector: | |
|  | 14.12.1995-15.11.2016, ALTEL JSC (mobile communication services)  16.11.2016-17.03.2017, Tele 2(mobile communication services)  17.03.2017-31.12.2017 - IP Akishev, installation of telecommunication equipment. |
| Publications: | |
|  | 1.Simulation model as a tool to optimize the process line for manufacturing construction products. RJAEE,17(10)(2020) 2491-2499pp  2. MATHEMATICAL FORMULATION AND THE PROBLEM SOLUTION OF CLUSTERING RECIPES OF CONCRETE MIXTURES USING TECHNOGENIC WASTE AND SLAGS OF METALLURGICAL ENTERPRISES. Метаllurjia, 2022.61(1)213-216  3. Improving the reliability of mechanisms and assemblies in automatic control and regulation systems. Известия НАН РК серия геология и технические науки.1(451),2022.-С.115-125  4. Checking the adequacy of the simulation model of the production line of construction product. Наука, новые технологии и инновации Кыргызстана,Бишке,2020,№1,стр.27-32.  5. Методы нейронных сетей и глубокого обучения на основе интеллектуального агента. Журнал «Надежность и качество сложных систем» №3, 2021г.- С.25-31.  6. Математическая модель искусственной нейронной сети для решения задач data mining. Журнал «Надежность и качество сложных систем» №4 (36), 2021г.- С.20-27.  7.Influence of manufactured waste quality on the strength of empty wall stone. Международная конференция **«Scientific Research of the SCO countries: Synergy and Integration»** (Пекин, Китай) 23.06.2021. С.115-121.  8. Description of the information logical model of technology of production of building products using industrial waste and the IDEF1X metodology. Вестник ЕНУ,технические науки и технологии, г.Нурсултан,2019,№4(129), 2019.−С.8-18.  9**.** База данных «Технологической системы производства строительных изделий. Сборник научных статей по итогам работы Международного научного форума (Москва 17 января 2020) «Наука и современные концепции». Т1.С.100-108  10. Учебно-Методическое пособие к курсовому проекту по дисциплине «ИСПОЛЬЗОВАНИЕ ОТХОДОВ ПРОИЗВОДСТВА, ПЕРЕРАБОТКА ВТОРИЧНОГО СЫРЬЯ». Павлодар: Издательство ToraighyrovUniversity.− 2019, 500 экз:ISBN 978-601-345-014-8  11. Применение методологии кластерного анализа для статистической оценки качества металлургического шлака Павлодарского филиала ТОО «КАСТИНГ. Проблемы автоматики и управления. НАН КР, институт автоматики и информационных технологий.Бишкек, 2019, №2(37). С.79-87.  12. Анализ существующих зарубежных и отечественных разработок применения имитационных моделей и методов математической статистики в отрасли строительства**.** Вестник ПГУ,серия Энергетическая, №4, Павлодар,2019г. С.64-74.  13. Применение методологии SADT для описания технологического процесса производства строительных изделий с использованием техногенных отходов промышленных предприятий. Сборник избранных статей по материалам научных конференций ГНИИ "Нацразвитие" (Санкт-Петербург, Ноябрь 2019). Международная научная конференция "Высокие технологии и инновации в науке". – СПб.: ГНИИ  «Нацразвитие», 2019.С 139-143.  14. Разработка структурно-функциональной модели технологической системы производства строительных изделий с использованием техногенных отходов. Науки и техника Казахстана. №2,2019,С.67-76.  15. Анализ разработок использования техногенных отходов в строительных материалах. Материалы международной научной конференции молодых ученных,магистрантов, студентов и школьников « ХIXСатпаевские чтения» , Павлодар,2019,том  20.С249-256. |
| **New scientific developments:** | |
|  | Computer program "Simulation model of a technological line for the production of construction products using industrial waste". Certificate of entry of information into the state register of rights to objects protected by copyright. No. 6653 dated 26.11.2019.  Database of the "Technological system for the production of construction products using industrial waste". Certificate of entry of information into the state register of rights to objects protected by copyright. No. 7545 dated 15.01.2020.  Information-logical model.Database of the technological system for the production of construction products using industrial waste. Certificate of entry of information into the state register of rights to objects protected by copyright. No. 11385 dated 17.07.2020.  Patent for concrete mix. No. 10842. 20.11.2020. |
| Additional information: | |
|  | Participation in the grant project, subproject No. ARP-SSG-17/0290P "Innovative technologies for the use of solid technogenic waste from heat power and metallurgy enterprises of Pavlodar region in the production of building materials", funded under the Project "Stimulating productive innovation", supported by the World Bank and the Government of the Republic of Kazakhstan. |
| Field of scientific interests | Solving practical problems related to the industrial Internet of Things, the technology of robotic production, simulation of complex technical systems, automation of technological processes and production, new materials based on man-made waste, development of technologies for processing man-made waste. |
| Subjects taught | Fundamentals of robotics and microprocessors, Smart technologies, interactive engineering networks, Engineering modeling, mechatronic systems, Iot technologies, Embedded control systems, elements of embedded control systems, industrial electronics, automatic control theory, automation of technological complexes, equipment, automatic control, registration and accounting, architecture of computer systems and Iot devices, multi-agent systems, modeling and prototyping of complex systems, application software, programming of microcontrollers and controllers, automated control system design, theory of linear and nonlinear automatic control systems, digital and microprocessor technology, smart home automation system. |