**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- Huawei Research Engineer, Shenzhen17.03.107-31.12.2017 – IP Akishev, Director, Astana16.11.2016-17.03.2017 - Chief Manager of Tele2, Astana13.11.2013-15.11.2016 - Technical Director of Akmola branch of ALTEL JSC, Astana03..05.2013-12.11.2013- Administrative Director of Akmola branch of ALTEL JSC, Astana16.10.2007-02.05.2013 - Director of Pavlodar Branch of ALTEL HBC , Pavlodar1.10. 2007-1.05.2011, Director of the representative office of Event Telecom LLP, Pavlodar |
| **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) 2491-2499pp2. MATHEMATICAL FORMULATION AND THE PROBLEM SOLUTION OF CLUSTERING RECIPES OF CONCRETE MIXTURES USING TECHNOGENIC WASTE AND SLAGS OF METALLURGICAL ENTERPRISES. Метаllurjia, 2022.61(1)213-2163. Improving the reliability of mechanisms and assemblies in automatic control and regulation systemsIzvestiya NAS RK series geology and technical sciences.1(451),2022.-С.115-1254. Checking the adequacy of the simulation model of the production line of construction product. Science, new technologies and innovations of Kyrgyzstan, Bishkek,2020,№1,стр.27-32.5. Methods of neural networks and deep learning based on an intelligent agent. Journal "Reliability and quality of complex systems" No. 3, 2021- pp.25-31.6. A mathematical model of an artificial neural network for solving data mining problems. Journal "Reliability and quality of complex systems" No. 4 (36), 2021- pp.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»** (Beijing, China) 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. Bulletin of ENU,Technical Sciences and Technologies, Nursultan,2019,№4(129), 2019.− Pp.8-18.9**.** Database of the "Technological system for the production of construction products. Collection of scientific articles based on the results of the International Scientific Forum (Moscow, January 17, 2020) "Science and modern concepts". T1.S.100-10810. Учебно-Методическое пособие к курсовому проекту по дисциплине «ИСПОЛЬЗОВАНИЕ ОТХОДОВ ПРОИЗВОДСТВА, ПЕРЕРАБОТКА ВТОРИЧНОГО СЫРЬЯ». Павлодар: Пздательство ToraighyrovUniversity.- 2019, 500-014-8, ISBN 978-601-345-014-8 11Application of cluster analysis methodology for statistical evaluation of metallurgical slag quality of Pavlodar branch of CASTING LLP. Automation and control problems. NAS KR, Institute of Automation and Information Technologies.Bishkek, 2019, No. 2(37). pp.79-87.12. Analysis of existing foreign and domestic developments in the application of simulation models and methods of mathematical statistics in the construction industry. Bulletin of PSU,Energy Series, No. 4, Pavlodar, 2019. pp.64-74.13. Application of the SADT methodology to describe the technological process of manufacturing construction products using man-made waste from industrial enterprises. Collection of favorites articles based on the materials of scientific conferences of the Research Institute "National Development" (St. Petersburg, November 2019). International Scientific Conference "High Technologies and Innovations in Science". – St. Petersburg: GNII «National Development", 2019.From 139-143.14. Development of a structural and functional model of a technological system for the production of construction products using man-made waste. Science and technology of Kazakhstan. No.2,2019, pp.67-76.15. Analysis of developments in the use of man-made waste in building materials. Materials of the international scientific conference of young scientists, undergraduates, students and schoolchildren "XIX Satpayev readings" , Pavlodar, 2019, vol.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. |