



**Uskenbayeva Gulzhan
Amangzheyevna**
Head of department

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Professional experience:

Total work experience - 18, including the industry experience –2.5

since 09.2019 – SAC department ass.professor, L.N. Gumilyov ENU;
09.2016 – 09.2019 - SAC department senior lecturer, L.N. Gumilyov ENU;
2015-2016 - Leading expert, RSPC "Uchebник", CCES, MES RK;
2013-2016 - doctoral studies, SAC department senior lecturer, L.N. Gumilyov ENU;
2012-2013 – SAC department senior lecturer, L.N. Gumilyov ENU;
2005-2012 – teacher, senior lecturer of the "Information systems" department, Shakarim SSU;

Awards:

2016, 2020 yy. Award from the Dean of the Faculty of Information Technology, ENU named after L.N. Gumilyov;
2020, 2022 yy Diploma Kurmet, Republican Scientific and Practical Center for Expertise of the Content of Education

Scientific degree and rank, scientific school:

PhD, 2017. Eurasian National University named after LN Gumilev, Astana, Specialty "Automation and control"
Master degree, specialty "Information Systems", 2004.
KazNU named after al-Farabi, Almaty

Scientific interests: modern control theory; robust automatic control systems, integrated design and control systems, controller programming, optimal control systems.

Research Grants:

MES RK. Fundamental research for 2020-2022
"Information technology research and control of deterministic chaotic processes"
MES RK. Fundamental research for 2012-2014
«Development of theoretical base of control systems with high potential of robust stability and control of stabilisation processes and orientation of spacecraft» (Responsible executor of the project).

Delivered courses:

Information support of control systems (B)
SCADA (B)
Integrated design and control systems (M)
Technical Objects and Control Systems Modeling (M)

Publications (selected):

1. The effect of the amount of data array on the results of forecasting network equipment failures. Известия НАН РК. Серия физико-математическая. Алматы: Национальная академия наук Республики Казахстан, 2021. – 6(340). – С.28-36
2. Көлік ағындарының мониторинг жүйесіне тән жағдайларда панорама құру алгоритмінің тиімді жұмысын талдау. Труды Университета. Серия «Автоматика, энергетика, ИКТ. Караганда: Карагандинский технический университет, 2022. – 1(86). – С.338-343.
3. Конволюционалдық нейрондық желі арқылы тұрмыстық қалдықтарды сұрыптау. Труды Университета. Серия «Автоматика, энергетика, ИКТ. Караганда: Карагандинский технический университет, 2022. – 2(87). – С.333-340.
4. Адаптивный нечёткий ПИД-регулятор системы управления углом наклона лопасти ветрогенератора. Вестник КазАТК. Серия автоматика, телемеханика, связь, энергетика, информационные системы. Академия логистики и транспорта. 2022, 2(121) – С.380-390.
5. Study of the Process of Packet Arrival at a Multiservice Node. Symmetry, Switzerland. MDPI 2022, 14 (4), - p. 752, Q2. DOI: <https://doi.org/10.3390/sym14040752>
6. Использование методов интеллектуального анализа данных для прогнозирования поломок устройств сети передачи данных. Труды Университета. Серия «Автоматика, энергетика, ИКТ. Караганда: Карагандинский технический университет, 2022. – 3(88). – С.304-313.
7. Methods for modeling and optimizing the delayed coking process in a fuzzy environment. Processes, Switzerland. MDPI 2023, 11 (2), - p. 450, Q2. DOI: <https://doi.org/10.3390/pr11020450>
8. Automation of flow analysis in scleral vessels based on descriptive-associative algorithms. Scientific Reports, Springer Nature, 2023, 13 – p. 4650, DOI: <https://doi.org/10.1038/s41598-023-31866-4>