



Kissikova Nurgul Myrzabekovna
associate professor

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Scientific degree and rank, scientific school:

Candidate of Physical and Mathematical Sciences, 2001
Al-Farabi Kazakh National University, Almaty
Speciality "Differential equations"

Scientific interests: Models and methods of control theory, system modelling, system analysis and decision making, determined chaos in economic systems

Research Grants:

MES RoK. Fundamental research for 2012-2014 years.
«Development of information protection system in distributed network on the base of determined chaos», KarGTU (Responsible executor of the project);
MES RoK. «Grant financing of scientific research» for 2020-2022 years. «Information technologies for research and control of deterministic chaotic processes», L.N.Gumilyov ENU, (Responsible executor of the project).

Delivered courses:

Science research methods (D), Theory, methods and tools of System analysis (D), Problems of system analysis and control (M), Mathematical foundations of the theory of systems (B), Optimization methods (B).

Professional experience:

Total work experience - 27 years, including the industry experience - 0 year
From 2001 – Associate professor of the System analysis and control Department in L.N.Gumilyov Eurasian National University;
2000-2001 – Lecturer of the High math department in Kazakh State Management Academy, Almaty;
1997-1999 yy. Junior Researcher, Research Institute of Mathematics and Mechanics, Al-Farabi Kazakh National University.

Awards:

2022 y. Medal "25 years of ENU named after L.N. Gumilyov";
2019 y. Letter of appreciation from the first deputy. Chairman of the city branch of the Nur Otan party in the city of Nur Sultan;
2015 y. Certificate given by the Information Technologies Faculty Dean for «Efforts and achievements in science and pedagogy».

Publications (selected):

1. Self-Organizing Control Systems for Unstable and Deterministic Chaotic Processes, World Academy of Science, Engineering and Technology International Journal of Mechanical and Mechatronics Engineering, vol:16, no:8, 2022, pp.182-185, ISNI: 0000000091950263;
2. Управления неустойчивыми режимами объектов с m-входами и с n-выходами в классе катастроф «Ласточкин хвост» // Вестник Торайгыров университета. Энергетическая серия. Павлодар, 2020. -№4. –С.65-69;
3. Velocity gradient method of Lyapunov vector functions // Proceedings of The 5th International Conference on E-Society, E-Learning and E-Technologies.- Австрия, Вена, 2019. –С.88-92. - ISBN 978-1-4503-6235-1;
4. Управление неустойчивыми и детерминированными хаотическими режимами объекта с m входами с n выходами // Вестник государственного университета имени Шакарима. Семей, 2019. - №286. – С. 51-55;
5. «Гиперболикалық омбилика» сыныбында құрылған көп өлшемді және бейсызықты жүйелерді зерттеу // Вестник Павлодарского государственного университета имени С.Торайгырова. Энергетическая серия. Павлодар, 2019. - №1. – С. 72-84;
6. m кірістері және n шығыстары бар объектілердің орнықсыз және детерминделген бейберекетсіз режимдерін басқару Вестник ЕНУ им. Л.Н. Гумилева. Серия естествен-но - технических наук. Астана, 2019. - №2 (127). – С. 13-20;
7. Синтез системы управления с m-входами и n-выходами по вектору состояния объекта градиентно-скоростным методом вектор-функций Ляпунова // Вестник КазНИТУ. Алматы, 2018. - №4 (128). – С. 56-61;
8. Development and research of automated head point in improving the quality of heating and hot water supply systems in Kazakhstan // BULLETIN of L.N.Gumilyov Eurasian National University. Technical science and technology series. Astana, 2018. - №4 (125). – P17-20;
9. Generation mechanism of short-term variations and fluctuations in the goods market (Article) // International Journal of Applied Engineering Research.Volume 12, Issue 10, 2017, Pages 2232-2238;
10. Decision-making in the fuzzy environment on the basis of various compromise schemes // 9th International Conference on Theory and Application of Soft Computing, Computing with Words and Perception, ICSCCW 2017, Budapest, Hungary. 24-25 August 2017, P.945-952.