Satybaldina Dana Karimtayevna
Associate professor

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Professional experience:
from 2008 – Associate professor of the System analysis and control Department in L.N.Gumilyov Eurasian National University;
2003-2008 – Senior Lecturer of the System analysis and control Department in L.N.Gumilyov Eurasian National University;
2001-2003 - Lecturer of the Department of Informatics in L.N.Gumilyov Eurasian National University;
1994-2001 - Lecturer of the Department of math and informatics'methodic in I.Altynsarin ArGPI;
1993-1994 - Intern Lecturer of the Department of math and informatics' methodic in I.Altynsarin ArGPI;

Awards:
2021 Rector's diploma in L.N.Gumilyov Eurasian National University «12 sauyr- Gylym qyzmetkerleri kuni merekesine orai universitet gylymyn damytuga qosqan ulesi ushin»;
2017 Certificate given by the Information Technologies Faculty (ITF) Dean for «Efforts and achievements in science and pedagogy»;
2016 Certificate given by the ITF Dean for «Efforts and achievements in science and pedagogy»

Scientifie degree and rank, scientifie school:
Candidate of Technical Sciences, 2008
Kazakh National Research Technical University after K.I.Satpayaev, Almaty
Speciality "System analysis, control and data processing"

Scientifie interests: Modern control theory, robust control systems, catastrophe theory, determined chaos in economic systems.

Research Grants:
MES RK. Fundamental research for 2020-2022
«Informaczionnye tekhnologii issledovaniya i upravleniya determinirovannymi khaoticheskimi proczessami» (Responsible executor of the project);
MES RK. Fundamental research for 2015-2017
«Research of short lasted fluctuations and control of determined chaos in economic systems» (Responsible executor of the project);
MES RK. Fundamental research for 2012-2014
«Development of information protection system in distributed network on the base of determined chaos», KarGTU (Responsible executor of the project).

Delivered courses:
Theory of linear automatic control systems (B), Theory of nonlinear automatic control systems (B), Nonlinear Control Systems (M)

Publications (selected):
1. Robust control for a tracking electromechanical system // International Journal of Electrical and Computer Engineering (IJECE), vol. 12, no. 5, pp. 4883-4891, October 2022, DOI: http://doi.org/10.11591/ijece.v12i5.pp4883-4891 (Scopus)
2. Robust control of aircraft flight in conditions of disturbances // International Journal of Electrical and Computer Engineering (IJECE), vol. 12, no. 4, pp. 3572-3582, August 2022, DOI: http://doi.org/10.11591/ijece.v12i4.pp3572-3582 (Scopus)
3. Parametrleri men kuii turaly aqparat tolyq bolgan kezde ushu apparatyn tiimdi baskaru // Vestnik gosudarstvennogo universiteta im. Shakarima. Serya «Tehnicheskie nauki».- Semei, 2021.- №4(92).- S.69-72. ISSN 1607-2774
4. Jenil avtokolikti basqarudyn adaptivti juiesin azirleu // Vestnik gosudarstvennogo universiteta im. Shakarima. Serya «Tehnicheskie nauki».- Semei, 2020.- №1(89).- S.103-106.- ISSN 1607-2774
5. Velocity Gradient Method of Lyapynov Vector Functions // Proceedings of The 5th International Conference on E-Society, E-Learning and E-Technologies.- Austria, Vienna, 2019. –C.88-92. - ISBN 978-1-4503-6235-1 (Scopus, Web of Science)
6. Construction of Control Systems with High Potential of Robust Stability in the Case of Catastrophe Elliptical Umbilic // International Journal of Applied Engineering Research ISSN 0973-4562 Volume 12, Number 17 (2017) pp. 6954-6961 (Scopus, Web of Science).
7. Robust stability of spacecraft traffic control system using Lyapunov functions // 16th International Conference on Control, Automation and Systems (ICCAS 2016).- Korea, 2016.- C.743-748. (Scopus, Web of Science).