

Resume of the faculty

Full name: Bystrova Svetlana Vladimirovna	
Education:	
1992 - 1997	Pavlodar State University, specialty "Electric drive and automation of industrial installations and technological complexes", electrical engineer
2018 -2020	Moscow Financial and Industrial University "Synergy", educational program "Applied Informatics", Master
Work experience:	
<i>Academic:</i>	
<u>Work in this organization</u>	
1997 up to now:	Senior Lecturer of the Department "Automation and Information Systems" Employment: full time List of taught disciplines: Nonlinear automatic control systems, Linear automatic control systems, Design of automated control systems, Diagnostics and reliability of automated control systems, Technical means of automation and control, Optimization and control methods in automated systems, Elements and devices of automation, Fundamentals of automation and control.
<i>Previous places of work in educational organizations:</i>	
<i>Non-academic:</i>	
Professional development:	
2023	Certificate "Features of the Organization and Methodological Support of Inclusive Education in Higher Education Institutions", No. NTsOK -4.68, 72 hours, Astana
2023	Certificate "Operations Research and Methods of Optimization and Control in Automated System», Training and Retraining Center for the Heat and Power Complex, No. 23-144, 72 hours
2023	Certificate "Planning and Optimal Control of Automated Control Systems. Design of Automated Control Systems. Modern SCADA. Design of Automation and Robotics Systems", Training and Retraining Center for the Heat and Power Complex, No. 23-145, 72 hours
2023	Certificate "Linear and Nonlinear Automatic Control Systems", Training and Retraining Center for the Heat and Power Complex, No. 23-193, 72 hours
2023	Certificate "Fundamentals of Automation and Control. Fundamentals of Control Systems Reliability", Training and Retraining Center for the Heat and Power Complex, No. 23-194, 72 hours
2023	Certificate "Technical Means of Automation and Control. Technological Measurements and Instruments", Training and Retraining Center for the Heat and Power Complex, No. 23-195, 72 hours
2023	Certificate "Elements and Devices of Automation. Theoretical Foundations of Automation and Telemechanics. Metrology and Measurements", Training and Retraining Center for the Heat and Power Complex, No. 23-196, 72 hours
2023	Certificate "Online Training on Digital Literacy: Risks and Opportunities of Using Artificial Intelligence in the Academic Environment", E.A. Buketov Karaganda State University; Public Foundation "TAUAN"
Membership in professional organizations:	
Awards and prizes:	
2024	Letter of Appreciation from the Ministry of Science and Higher Education of the Republic of Kazakhstan
2024	Letter of Appreciation from the Satpayev Kazakh Institute of Technology

	(EITI) named after Academician K. Satpayev
Service activities:	
Publications and presentations:	
2023	Optimization of Regulator Parameter Values Using Dynamic Optimization Methods in SIMULINK. International Scientific and Practical Conference "Improving the Quality of Education, Modern Innovations in Science and Production", XXI Satbayev Readings, Ekibastuz. Co-authors: D.K. Zhalmagambetova, N.N. Moldovan.
2023	ASCAPC Using the "Zarya" Software Package and the Advantages of Implementing Such Systems. International Scientific and Practical Conference "Improving the Quality of Education, Modern Innovations in Science and Production", Ekibastuz–Prokopyevsk. Co-authors: I.Kh. Rakhmatullaev, N.N. Moldovan.
2023	Improvement of Algorithms of the Topological Model of the Steady Mode of Electric Power Systems. Volume 384, Rudenko International Conference "Methodological Problems in Reliability Study of Large Energy Systems" (RSES 2022). Co-authors: D.S. Akhmetbayev, A.R. Dzhandigulov, A.D. Akhmetbayev, Sh.S. Begezhanova.
2023	Simplified Topological Algorithm for Forming a Steady Mode of an Electric Power System. E3S Web of Conferences 461, 01025 (2023), RSES 2023. Co-authors: A.R. Dzhandigulov, R. Korgaubek.
2024	Determination of the Tuning of Dynamic Parameters of the Steam Pressure Regulator Behind the Drum of a Coal-Fired Steam Generator. International Conference "Improving the Quality of Education, Modern Innovations in Science and Production", Ekibastuz–Prokopyevsk. Co-author: A.V. Yegovtsev.
2024	Development of Effective Algorithms for Calculating Current Distribution Coefficients of an Electric Power System. E3S Web of Conferences 584, 01014 (2024), RSES 2024. Co-authors: D. Akhmetbayev, A.R. Dzhandigulov, A. Akhmetbayev.
2025	Modeling the Process of Steam Pressure Regulation in a Boiler Unit. Bulletin of Abai KazNPU, Series "Physical and Mathematical Sciences", Vol. 89, No. 1 (2025). Co-authors: B.G. Dzhuzybayeva, T.B. Akishev, A.B. Kydyrbayeva, V.I. Cherdakov.
New scientific developments:	
2022-2024	Research Project "Automatic Regulation of the Boiler Drum Feed for the BKZ-160-100F Boiler to Maintain the Drum Level within Specified Limits". Co-authors: M.Yu. Zhanazarov, D.K. Zhalmagambetova, S.V. Bystrova, D.B. Albekov
2024 .	Educational and Methodological Manual "Mathematical Foundations of Discrete Systems". Authors: A.B. Kydyrbayeva, S.V. Bystrova, S. Seitkanov (Certificate of Authorship No. 44300 dated April 4, 2024, ISBN 978-601-7609-88-7)
2024 .	Educational and Methodological Manual "Mathematical Foundations of Discrete Systems". Authors: A.B. Kydyrbayeva, S.V. Bystrova, S. Seitkanov (ISBN 978-601-7609-88-7)
2025	Study Guide "Automated Information and Control Systems". Authors: A.B. Kydyrbayeva, D.K. Zhalmagambetova, S.V. Bystrova (Certificate of Authorship No. 53810 dated January 23, 2025, ISBN 978-601-7609-99-3)
Additional Information:	
2024	First Degree Diploma. Republican Student Research Competition in Higher

	Education Institutions of the Republic of Kazakhstan in the field of "Automation and Control". Almaty, JSC "Kazakh National Research Technical University named after K.I. Satpayev". Topic: "Determination of the Settings of Dynamic Parameters of the Steam Pressure Controller Behind the Drum of a Pulverized Coal Steam Generator"
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