



Curriculum Vitae

Shakotko T.



Tetiana Shakotko

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Gender: female Born: 18.08.1985 Citizenship: Ukrainian

<i>Scientific degree</i>	
<i>Teaching degree</i>	
<i>Position</i>	<i>assistant</i>
<i>Department</i>	<i>Operations research</i>
<i>Faculty</i>	<i>Faculty of Computer Science and Cybernetics</i>
<i>Part-time extra job</i>	<i>Leading engineer of the scientific and organizational group for ensuring the educational process</i>

Delivered classes:

This year	<i>1. Algebra and geometry, bachelor, 1th year, practical classes.</i>
In the past	<i>1. Algebra and geometry, bachelor, 1th year, practical</i>

	<p>classes.</p> <p>2. <i>Mathematical analysis, bachelor 1st year, practical classes (mechanical and mathematical faculty).</i></p> <p>3. <i>Higher mathematics, preparatory courses of KNU.</i></p>
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Teaching and scientific experience:

Period	Description
01.2021-present	<i>In the position of assistant (0.5 rate) of the Department of Operations Research, Faculty of Computer Sciences and Cybernetics</i>

Education and post-doctoral training:

2003-2008	<i>Specialist in Mathematics, teacher</i>
	<i>Mechanical and Mathematical Faculty, Taras Shevchenko National University of Kyiv</i>
	<i>Diploma paper "Stability and convergence estimates described by ordinary differential" (adviser – Prof. O. Pereguda)</i>

Personal skills:

Naming	Description
Mother tongue	<i>Ukrainian</i>
Other languages	<i>English-average user</i>
Communication skills	<i>I have experience teaching in Ukrainian. Every year I make several reports at conferences both within Ukraine and abroad. She did not observe her own communication problems.</i>
Digital skills	<i>Regularly work with TeX/LaTeX, with Microsoft Word.</i>
Areas of professional interests	<i>Quadratic Lyapunov functions, stability and convergence are written by differential equations with delay.</i>

Additional info:

Naming	Description
main publications	<p>1. <i>Shakotko T.Y., Husainov D.Ya. Research on the dynamics of Volterra's population model with subsequent action // Bulletin of Taras Shevchenko National University of Kyiv. Series: Cybernetics, No. 12, 2012. - P.51-54.</i></p> <p>2. <i>Shakotko T.I., Husainov D.Ya., Sirenko A.S. About one approach to the study of the stability of the model of neural networks with a delay using the second Lyapunov method // Bulletin of Taras Shevchenko National University of Kyiv, Series: Physical and</i></p>

mathematical sciences, v. 4, 2014. – P. 232-237.

3. *Shakotko T.I. Investigation of the stability of the equilibrium position of the quadratic model with one delay Dynamical System Modelling and Stability Investigation, Abstracts of Conference Reports, Kiev, Ukraine, Nay 29-31, 2013. – pp. 145.*
4. *Husainov D.Ya., Shakotko T.I. Estimates of stability in nonlinear differential equations of a special form. Bulletin of Taras Shevchenko Kyiv National University. Series of physical and mathematical sciences. No. 1, 2022, pp. 76-71.*
5. *D.Ya. Husainov, A.V. Shatyрко, T.I. Shakotko Obtaining conditions of convergence of learning processes in mathematical models of neurodynamics with aftereffect. International Scientific and Technical Journal Management and Informatics Problems, 2022 No. 5 Art. 5-16.*
6. *Shakotko T.I. An optimization approach to the construction of the Lyapunov-Krasovsky function Journal of Computational and Applied Mathematics January 26, 2023 No. 2, articles 165-173.*