



# Curriculum Vitae

Rabanovych S.



## Viavheslav Rabanovych

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*Gender: male*

*Born: 12.04.1973*

*Citizenship: Ukrainian*

<i>Scientific degree</i>	<i>Candidate of Science in Physics and Mathematics</i>
<i>Teaching degree</i>	<i>Lecture, Scientific researcher</i>
<i>Position(part-time extra job)</i>	<i>Associate Professor</i>
<i>Department</i>	<i>Operations research</i>
<i>Faculty</i>	<i>Faculty of Computer Science and Cybernetics</i>
<i>Affiliation</i>	<i>Department of Functional Analysis, Institute of Mathematics NAS of Ukraine, Senior Scientific Researcher</i>

## Delivered classes:

<i>This year</i>	<ol style="list-style-type: none"><li><i>1. Algebra and Geometry, bachelor, 1<sup>st</sup> year, lectures.</i></li><li><i>2. Some topics of linear algebra and its applications, master, 5<sup>th</sup> year, lectures and tutorials.</i></li></ol>
<i>In the past</i>	<ol style="list-style-type: none"><li><i>1. Algebra and Geometry, bachelor, 1<sup>st</sup> year, lectures and tutorials.</i></li><li><i>2. Complex Analysis (one variable), bachelor, 2<sup>nd</sup> year, lectures and tutorials (National University of Kyiv Mohyla Academy).</i></li><li><i>3. Calculus (one variable), bachelor, 1<sup>st</sup> year, lectures and tutorials (National University of Kyiv Mohyla Academy).</i></li><li><i>4. Differential and Integral equations, bachelor, 2<sup>nd</sup> year, lectures and tutorials (National University of Kyiv Mohyla Academy).</i></li></ol>

Teaching and scientific experience:

Period	Description
03.2017-present	<i>Associate Professor of Operations Research Department, Faculty of Computer Science and Cybernetics (part-time extra job)</i>
	<i>Taras Shevchenko National University of Kyiv</i>
	<i>Teaching and scientific work</i>
09.2022- 06.2023	<i>Associate Professor of Department of Mathematics (part-time extra job)</i>
	<i>Kyiv Academic University</i>
	<i>Teaching and scientific work</i>
01.2016-06.2017	<i>Assistance Professor, Department of Physical and Mathematical Science, Faculty of Natural Science (part-time extra job)</i>
	<i>National University of Kyiv Mohyla Academy</i>
	<i>Teaching and scientific work</i>
	<i>Сектор Освіта/Наука</i>
09.2000-06.2001	<i>School teacher of Mathematics (half time extra job)</i>
	<i>Kyiv Natural Science Lyceum no. 145</i>
	<i>Teaching</i>
11.1999 - present	<i>Scientific researcher (from junior to senior) in Department of Functional Analysis</i>
	<i>Institute of Mathematics of National Academy of Science of Ukraine</i>
	<i>Research</i>

Education and post-doctoral training:

1996-1999	<i>PhD study</i>
	<i>Institute of Mathematics, National Academy of Science of Ukraine</i>
	<i>Obtained PhD degree with the thesis “Banach Algebras and Representation Theory” (supervisor-Prof. Yu. S. Samoilenko)</i>
2000	
1991-1996	<i>Specialist in Mathematics, degree mathematician, teacher</i>
	<i>Faculty of Mechanics and Mathematics, Taras Shevchenko National University of Kyiv</i>
	<i>Diploma paper “Representations of generalized Weyl algebras with involution” (adviser – Prof. Yu. Drozd)</i>

Personal skills:

Naming	Description
Mother tongue	<i>Ukrainian, Russian</i>
Other languages	<i>English (B2)</i>
Communication skills	<i>7-year long experience of teaching in Ukrainian.</i>

Organizational/ Administrative skills	
Digital skills	<i>Regularly work with TeX/LaTeX, Mathematica, occasionally with Microsoft Word.</i>
Areas of professional interests	<i>Operator Theory, Linear Algebra, Representation Theory, Quantum information Theory, Number Theory</i>

Additional info:

Naming	Description
10 main publications	<ol style="list-style-type: none"> <li>1. <i>When a sum of idempotents or orthoprojections is a multiple of identity (with Yu. S. Samoilenko), Func. Anal. and Appl., 34, no. 4, (2000) 311-313.</i></li> <li>2. <i>Scalar operator representable as a sum of projectors (with Yu. S. Samoilenko), Ukrainian Math. Jour., 53, no. 7 (2001) 1116-1133.</i></li> <li>3. <i>On decomposition of the identity into a sum of idempotents (with T. Ehrhardt, Yu. Samoilenko and B.Silbermann), Meth. of Func. Anal. and Topology, no. 2,(2001) 1-6.</i></li> <li>4. <i>On sums of projections (with S. Kruglyak and Yu. Samoilenko), Func. Anal. and Appl., 36, no. 3, (2002) 182-195.</i></li> <li>5. <i>Decomposition of a scalar matrix into a sum of orthogonal projections (with S. Kruglyak and Yu. Samoilenko), Linear Algebra and its Appl. 370, (2003) 217-225.</i></li> <li>6. <i>When is a sum of partial reflections equal to a scalar operator (with A. S. Mellit and Yu. S. Samoilenko), Func. Anal. and Appl. 38, no. 2, (2004) 157-160.</i></li> <li>7. <i>Every matrix is a linear combination of three idempotents. Linear Algebra and Its Appl. 390, (2004) 137-143.</i></li> <li>8. <i>Multicommutators and multianticommutators of orthogonal projections (with V. Mazorchuk), Linear and Multilinear Algebra, 56(6), (2008) 639-646.</i></li> </ol>
Selected presentations	<ol style="list-style-type: none"> <li>1. <i>On spectra of sums and the norms of products of orthogonal projections? "17th International conference on Domain decomposition methods", St. Wolfgang/Strobel, Austria, July 3-7, 2006.</i></li> <li>2. <i>On real linear combinations of orthoprojections. "Groups and Operators", Gothenburg, Sweden, August 15-18, 2016.</i></li> </ol>
Refereeing and reviewing duties	<i>Referee for Ukraniane mathematical journal, Methods of Functional analysis and Topology, and Linear algebra and its applications.</i>