
CURRICULUM VITAE

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EDUCATION

1. Academic status: Associate Professor, obtained at Department of Algebra, Geometry and Applied Mathematics. Higher Attestation Commission, Moscow, Russia, 2005.
2. Advanced training course, Mathematical Methods in Economics, Department of Probability Theory, Mechanics and Mathematics Faculty, Moscow State University, Russia, 2000.
Supervisors: Professor Vladimir Tutubalin, Professor Yurii Turin.
3. PhD, Mathematics, Moscow Institute of Physics and Technology, Russia, 06/1979.
Dissertation: Mathematical research of Gas Laser Aerodynamic Window.
Supervisor: Professor Aleksandr Kraiko, Mathematics Department.
4. M.Sc., B.Sc. in Applied Physics and Mathematics (with distinctions), M.Sc., Flying Vehicles Researcher, Moscow Institute of Physics and Technology, Moscow, Russia, 05/1973.

TEACHING

1. Associate Professor, Department of Math & Computer Science, [Papua New Guinea University of Technology](#), PNG, 07/2015 – 07/2017.
2. Associate Professor, Department of Math & Information Systems, [Murmansk State Technical University](#), Russia, 09/2008 – 07/2014.
3. Lecturer of Distance Education in Mathematics, Murmansk Gifted Pupil Education Committee (A-Elite), and Murmansk Polytechnic Lyceum, Russia, 09/2012 – 06/2015.
4. Chair of Department of Mathematical Modeling and Math Methods in Economics, Associate Professor, [Murmansk State University](#), Russia, 09/2005 – 08/2006.
5. Associate Professor, Department of Algebra, Geometry and Applied Mathematics, [Murmansk State University](#), Russia, 08/2001 – 09/2005.
6. Assistant Professor, Mathematics, Murmansk Schools, Russia, 10/1991 – 08/2001.

PROFESSIONAL ACTIVITIES

1. [LLC "Deoma"](#), Russia, Director-general, Head of [InMA department](#), CAS and DGS creation. Leading specialist in developing of electronic textbooks in mathematics, 09/2007 – Present.

2. Author and developer of interactive applications for "Algebra" textbooks for secondary school ages 13-16, [Publishing house "Mnemozina"](#), Russia, 08/2006 – 08/2007.
3. Founder and Head of InMA Project (Math software developing), Russia, 01/2005 – 08/2007.
4. Associate Professor, Chair of the Scientific laboratory, Moscow Radiotechnical Institute, Moscow, Russia, 10/1983 – 05/1991.
5. Engineer, Myasishchev's Experimental Machine-Building Plant, Moscow, Russia, 11/1973 – 10/1983.

LIST OF BOOKS AND PAPERS

1. **Teaching methodology for smart students with less-developed abstract thinking skills**, at the Proceedings of the 21st Asian Technology Conference in Mathematics (ATCM 2016), Thailand, pp 260-268, 2016. ISSN 1940-4204, ISBN 978-0-9972807-0-8
2. **Hexagrammums**, Proceedings of the 21st Asian Technology Conference in Mathematics (ATCM 2016), Thailand, pp 207-212, 2016. ISSN 1940-4204, ISBN 978-0-9972807-0-8
3. **Sejfriedian: existence, uniqueness, constructing and the proof of properties**, at the Proceedings of the 16th International Conference on Geometry and Graphics (ICGG 2014), Innsbruck, Austria, 2014.
4. **Modern book on geometry**, at the Proceedings of the 16th International Conference on Geometry and Graphics (ICGG 2014), Innsbruck, Austria, 2014.
5. **Why should we use visualization within math science and math education?**, invited paper at the Proceedings of the 17th Asian Technology Conference in Mathematics (ATCM 2012), Thailand, pp 93-104, 2012. ISBN 978-0-9821164-4-9, ISSN 1940-2279.
6. **Elementary proof of Pavillet tetrahedron properties**, co-authored with A.Pavillet, at the Electronic Journal of Mathematics and Technology (eJMT), Issue 3, Volume 6, 2012, ISSN 1933-2823.
7. **Computing Signed Areas and Volumes with Maple**, co-authored with X.Shengxiang, and W.- C.Yang, at the Electronic Journal of Mathematics and Technology (eJMT), Issue 2, Volume 6, 2012, ISSN 1933-2823.
8. **Theorems and constructions created using dynamic geometric system GInMA**, at the Proceedings of the 15th International Conference on Geometry and Graphics (ICGG 2012), pp 871-877, 2012, ISBN 978-0-7717-0717-9.
9. **Experience of GInMA software using in math teaching at Radford University**, at the Proceedings of the XXIII International Conference "New Technologies in Education", p.196-198, Troitsk, Russia, 2012.
10. **Development of Creativity Using 3D Dynamic Geometry System GInMA**, co-authored with S. Nosulya, was published at the Electronic Journal of Mathematics and Technology (eJMT), Issue 1, Volume 6, 2012, ISSN 1933-2823.
11. **Mean Value Theorems in Higher Dimensions and Their Applications**, co-authored with W.-C.Yang, at the Electronic Journal of Mathematics and Technology (eJMT), Issue 1, Volume 6, 2012, ISSN 1933-2823.
12. **Development of Creativity Using 3D Dynamic Geometry System InMA**, at the Proceedings of the Sixteenth Asian Technology Conference in Mathematics (ATCM 2011), pp 171-177, 2011. ISBN 978-0-9821164-3-2. Online version, ATCM 2011 Electronic Proceedings, ISSN 1940-4204.

13. **InMa Program for Learning Math**, at Web Proceedings of the conference "Computer Algebra and Dynamic Geometry Systems in Mathematics Education" (CADGME-2010) in Czech Republic, 2010.
14. **InMA Project, the Dynamic Electronic Textbooks on Mathematics**, at the 17th Proceedings of the International Conference "Mathematics. Computer. Education", Volume 2, p. 489, 2010. ISBN 978-5-93972-797-6.
15. **Creation of Electronic Textbooks on Mathematics Using InMA Program**, at the 16th Proceedings of the International Conference "Mathematics. Computer. Education" (MCE 2009), Volume 2, p. 607, 2009. ISBN 978-5-93972-717-4.
16. **Electronic Interactive Textbooks "Mathematics"** for all school course (ages 12-18), for schools with in-depth study of Mathematics, LLC "Deoma", Russia, 2009, (books).
17. **The Experience of Electronic Didactic Mathematical Material Elaboration and Its Application**, at the 15th Proceedings of the International Conference "Mathematics. Computer. Education", (MCE 2008), Volume 1, pp. 83-88, Moscow, 2008. ISBN 978-5-93972-689-4.
18. **Electronic Interactive Applications for "Algebra" Textbooks** for secondary school, ages 13-16, Publishing house "Mnemozina", Russia, 2007, 2008. ISBN 978-5-346-01073-9. ISBN 978-5-346-01074-6. ISBN 978-5-346-01075-3.
"Algebra" Electronic Interactive Application for the seventh school year
"Algebra" Electronic Interactive Application for the eighth school year
"Algebra" Electronic Interactive Application for the ninth school year
19. **Experience of Creation of Electronic Applications for Mathematics Textbooks and Their Use**, at the Proceedings of the XIX International Conference "New Technologies in Education", p.421-424, Troitsk, Russia, 2008. ISBN 978-5-89513-122-0.
20. **Interactive Electronic Textbooks**, at the 14th Proceedings of the International Conference "Mathematics. Computer. Education", (MCE 2007), Volume 1, pp.142-149, Moscow, 2007. ISBN 978-5-93972-630-6.
21. **"Baby's" Problems for Explanation of the Non- typical Provisions of Mathematical Analysis**, the report on the Math conference in Petrozavodsk, Russia, 2006.
22. **Game Theory: Lectures For Students of the Specialty "Mathematical Methods in Economics"**, Murmansk State Pedagogical University, 2005, (book).
23. **Mathematical Statistics: The Course of Lectures for Students of the Specialties "Mathematical Methods in Economics" and "Applied Mathematics and Informatics"**, Murmansk State Pedagogical University, 2005 (book).
24. **Mathematics** (state graduation exams and MSTU entrance examinations), Murmansk State Technical University, 2005. ISBN 5-86185 – 253 (book).
25. **Extremes**, Murmansk State Pedagogical University, 2005. ISBN 5-88476-706-4, (book).
26. **Mathematics Exams – 2004** (state graduation exams), Murmansk State Pedagogical University, 2004. ISBN 5-88476-566-5, (book).
27. **Mathematics Exams – 2003** (state graduation exams), Murmansk State Pedagogical University, 2003, (book).
28. **Mathematics** (MSTU entrance examinations), Murmansk State Technical University, 2002, (book).
29. **Mathematics and Computer Science** (Manual for non-mathematicians), Murmansk State Pedagogical University, 2002. ISBN 5-88476-432-4 (book).

30. **Music of the spheres** (stereometric problems with spheres)co-authored with E. Gods, Murmansk, 2000 (book).
31. **Fifth Soros students Olympiad (mathematics)**, co-authored with the group of authors, Moscow Center of Continuing Mathematic Education, 1999, ISBN 5-900916-43-x, (book).
32. **Soros Olympiads solutions**, co-authored with the group of authors, Moscow Center of Continuing Mathematic Education, annually 1997 – 2000, (series of manuals).
33. **Standards of non-typical thinking** (solutions for MSU, and MIPT entrance examinations), Murmansk, 1998, (book).

AWARDS AND HONORS

1. The paper "InMA Project, the dynamic electronic textbooks on mathematics" was voted the best paper in the section "Humanitarian and Science Education" at the 17th International Conference "Mathematics. Computer. Education" (MCE 2010), Dubna, Russia, 25 – 30/01/2010.
2. Laureate of the Fourth creative competition of mathematics teachers, organized by the newspaper "Mathematics", publishing house "September 1" together with the Moscow Center of Continuing Mathematics Education, 2009.
3. Laureate of the competition of pedagogical skills, organized by the Dynasty Foundation, 2007.
4. The winner of XII Competition on creation of methodical developments (Exponenta.ru), 2006.
5. Laureate of the competition "Pedagogical Innovations", was awarded the Medal of Janusz Korczak for the work "Creating of a series of mathematical computer games and new chapters of the game theory", 2004.
6. Lenin Komsomol Prize Laureate, 1980.

REFERENCES

1. References may be provided on request.