

**Сведения о претенденте, участвующем в конкурсе на замещение должности научно-педагогического работника СПбГУ
Доцент по направлению «Математика», (1.0 ст.) (п.1.1. приказа от 16.01.2017 №94/1)
на заседании Ученого совета СПбГУ**

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Ученая степень	PhD (Hanoi, Vietnam)
Ученое звание	
Научно-педагогический стаж	15 лет
Количество публикаций за последние 3 года в изданиях, индексируемых РИНЦ, Web of Science Core Collection или Scopus	за период 2011-2016: Scopus – 12, MathSciNet – 8
Индекс Хирша по РИНЦ, Web of Science Core Collection или Scopus	Scopus = 4
Количество заявок, поданных за последние три года, с целью получения финансирования на выполнение научных исследований:	
- от российских научных фондов	
- от зарубежных научных фондов	
- из других внешних источников	
Количество договоров на выполнение научных исследований, в которых за последние три года претендент участвовал в качестве руководителя (ответственного исполнителя), с указанием года заключения, срока, названия и объема финансирования каждого:	
- с российскими научными фондами	
- с зарубежными научными фондами	<ul style="list-style-type: none"> • PI of the TWAS Research Grants Programme 13-054 RG/MATHS in Basic Sciences for Individuals “Solving geometric shortest path problem by an optimization method”, 11/2014-5/2016, The World Academy of Sciences (TWAS) for the advancement of science in developing countries (completed). • PI of the TWAS Research Grants Programme 16-544 RG/MATHS/AS_G “Optimization Approaches for Computing Geometric Shortest Constrained Paths on Terrains”, 2017-2019 The World Academy of Sciences (TWAS) for the advancement of science in developing countries. • PI of the Basic Research Project 101-01-2014-28 “Optimization methods for computational geometry”, 2015-2017, The National Foundation for Science and Technology Development (NAFOSTED), Vietnam. • PI of the project: Simulation of transport properties in disordered systems on Helix parallel computer, July 2004, Interdisciplinary Center for Scientific Computing (IWR), University of Heidelberg, Germany (completed).
- с другими внешними организациями	
Опыт научного руководства и консультирования за последние 3 года:	
- число ВКР бакалавров / специалистов	

- число диссертаций магистерских / кандидатских / докторских	
- число выпускников аспирантуры	
Опыт учебно-методической работы за последние 3 года: - число разработанных и реализованных учебных курсов	
- число учебников, учебных пособий, прошедших редакционно-издательскую обработку	
Иная информация, предоставленная по инициативе претендента	<p>Presentation at Int. Conferences</p> <ol style="list-style-type: none"> 1. Method of multiple shooting for computing shortest descending paths on convex terrains, HGS MathCom, Heidelberg University, November 3, 2016. 2. Finding shortest paths from the source point to all destination points on convex polytopes, Oberseminar "Geometry & Visualization", AG Mathematical Geometry Processing, FU Berlin, November 24, 2016. 3. Connections between optimization and computational geometry, Dept. of Mathematics, Udayana University, Bali, July 27, 2016. 4. Method of multiple shooting for ODE boundary value problems and application for finding geometric shortest paths, Fifth International Workshop on Analysis and Numerical Approximation of Singular Problems, Lagos, Portugal, Oct. 22-24, 2015. 5. Straightest geodesics on a triangle sequence in 3D, Third ERC "SDModels" Workshop - Discrete Models in Geometry and Topology, Freie Universitaet Berlin, Germany, March 23-26, 2015. (invited talk) 6. Optimization approaches for computing geometric shortest paths (contributed talk), International Congress on Mathematics (ICM), Seoul, Korea, August 12-21, 2014 7. The role of graph for solving some geometric shortest path problems in 2D and 3D, 5th FTRA International Conference on Computer Science and its Applications (CSA-13), Danang, Vietnam, Dec. 18-21, 2013. 8. Optimization methods for computational geometry, International Conference on Continuous Optimization, Lisbon, Portugal, July 27-August 1, 2013. (invited talk) 9. Numerical optimization methods for computing Euclidean shortest paths in polygons and on polytopes, The Asian Mathematical Conference 2013, Busan, Korea, June 30-July 4, 2013 10. The role of convexity for solving some shortest path problems in plane without triangulation, International Conference on Mathematical Sciences and Statistics, Kuala Lumpur, Malaysia, Feb. 5-7, 2013 11. Method of orienting lines for minimizing a sum of Euclidean norms, Mathematics, Algorithms and Proofs, Konstanz, Germany, September 17 - 21,

2012

12. Direct multiple shooting method for finding approximate shortest paths in polygonal environments, 6th International Conference on Inverse Problems, Control and Shape Optimization, Palaiseau, France, April 2 - 4, 2012

13. Numerical optimization methods for shortest path problems in 2D and 3D, Workshop on Multiscale Modeling, Simulation, Analysis and Applications, Institute for Mathematical Sciences, National University of Singapore, Dec. 19-21, 2011

14. Numerical optimization methods for some shortest path problems inside simple polygons, 25th IFIP TC 7 Conference on System Modeling and Optimization, Berlin, Germany, September 12-16, 2011

15. Incremental convex hull as an orientation to solving the shortest path problem, IEEE 3rd International Conference on Computer and Automation Engineering, Chongqing, China, Jan. 21-23, 2011.

16. An efficient algorithm for the shortest path problem inside simple polygons without triangulation, International Workshop on Advanced Computing and Applications, Ho Chi Minh City, Vietnam, March 3-5, 2010.

17. An efficient algorithm for determining the convex hull of a finite planar set, International Workshop on Advanced Computing and Applications, Ho Chi Minh City, Vietnam, March 12- 14, 2008.

18. Stable generalized convexity and monotonicity, International Workshop on "Mathematical Modeling, Simulation, Visualization and e-Learning", Bellagio, Italy, November 20-26, 2006. (invited talk)

19. Outer Gamma-convex functions, 21st IFIP TC 7 Conference on System Modeling and Optimization, Sophia Antipolis, France, July 21-25, 2003.

20. Stability of generalized convex functions, 7th International Symposium on Generalized Convexity/Monotonicity, Hanoi, Vietnam, August 27-31, 2002.

Заключение Совета образовательной программы «Математика» СПбГУ