

Boris Zolotov

*boris.a.zolotov@yandex.com**+7 911 764 70 83*

Research Interests

Theoretical computer science: algorithms, data structures, computational geometry, automated proof systems

Professional Appointments

2019–present	Student , St. Petersburg State University, „Advanced Mathematics“ master programme
2015–present	Additional courses tutor and research projects supervisor , Laboratory for Continuous Mathematical Education, St. Petersburg
2018–present	Mathematics for Olympiads tutor , „Fractal“, St. Petersburg
2016–present	Co-Chair of Methodical Commission , «Математика НОИ-СТОП», Time for Science foundation

Bachelor's Thesis

Title	Algorithmic Aspects of Alexandrov's Uniqueness Theorem
Supervisor	Candidate of Physics and Mathematics E. A. Arseneva
Grade	Excellent

Grants

September 2019–present	2019 competition of the Foundation for the Advancement of Theoretical Physics and Mathematics „BASIS“
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Conferences, schools and workshops

- July 2019 XVIII Spanish Meeting on Computational Geometry, Girona, Spain, Presentation: „*A complete list of all convex polyhedra made by gluing regular pentagons*“
- June 2019 Second Trans-Siberian Workshop on Computational Geometry and Data Structures
- November 2016 Winter School on cubic plane curves, HSE, Moscow

Publications

- September 2019 Elena Arseneva, John Iacono, Greg Koumoutsos, Stefan Langerman, Boris Zolotov, *Sublinear Explicit Incremental Planar Voronoi Diagrams*, In proceedings of the Japan Conference on Discrete and Computational Geometry, Graphs, and Games
- September 2019 Elena Arseneva, Stefan Langerman, and Boris Zolotov, *A complete list of all convex polyhedra made by gluing regular pentagons*, In proceedings of the Japan Conference on Discrete and Computational Geometry, Graphs, and Games
- April 2015 Boris Zolotov, *Another Solution to the Thue Problem of Non-Repeating Words*, arXiv 1505.00019

Books and Brochures

- February 2019 Б. А. Золотов, Д. Г. Штукенберг, И. А. Чистяков, А. В. Семенов, И. С. Алексеев, *Сборник задач олимпиады «Математика НОН-СТОП»*, 373 с., ISBN 978-5-906623-38-6
- December 2019 Б. А. Золотов, Д. Г. Штукенберг, *Математика НОН-СТОП—2019. Решения задач олимпиады*, 72 с., ISBN 978-5-906623-47-8

Community service

April 2021	Organising committee of 37th EuroCG, planned
April 2018–present	Assistant T_EX-er of Joint Projects of PJSC Gazprom Neft and Chebyshev Laboratory
2016–present	Organising committee and jury , Saint Petersburg tournaments of young mathematicians
February 2018, 2019	Jury , Baltic Science And Engineering Fair

Supervised research projects of 8–10-graders

2018	К. Кузнецов, « <i>О приближении кривых</i> »
2019	А. Ващенко, « <i>Римская десятичная система счисления</i> » И. Глаголев, « <i>Циркуляции на графах</i> »
2020	А. Ващенко, « <i>Алгоритм Чена—Хана для развёрток из квадратов</i> » И. Глаголев, « <i>Перечисление всех развёрток из квадратов</i> » К. Пакульневич, « <i>Проверка изоморфизма развёрток из квадратов</i> » Е. Дойникова, « <i>Миаметры</i> »