

Boris Zolotov

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Research Interests

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

Education

2019–present	Master student , St. Petersburg State University, Department of Mathematics and Computer Sciences, „Advanced Mathematics“ master programme
2015–2019	BSc , St. Petersburg State University, Department of Mathematics and Computer Sciences, „Mathematics“ BSc programme, bachelor’s thesis: Title Algorithmic Aspects of Alexandrov’s Uniqueness Theorem Supervisor Candidate of Physics and Mathematics E. A. Arseneva Grade Excellent

Teaching experience

2016–present	Supervisor of the project , „Mathematics Non-Stop“, Time for Science foundation
2015–2020	Additional courses tutor , Laboratory for Continuous Mathematical Education, St. Petersburg
2015–present	Supervisor of research projects for the youth, Laboratory for Continuous Mathematical Education, St. Petersburg
2015–present	Summer school courses tutor , Laboratory for Continuous Mathematical Education, St. Petersburg
2018–present	Mathematics for Olympiads tutor , „Fractal“, St. Petersburg

Grants

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| January 2020–present | Russian Foundation for Basic Research (RFBR), participant. Project title: Problems on the Border of Combinatorics and Computational Geometry |
| September 2019–present | 2019 competition of the Foundation for the Advancement of Theoretical Physics and Mathematics „BASIS“, participant |

Conferences, schools and workshops

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

Student exchanges and internships

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| 10.2020 — 01.2021 | ULB, Brussels, Master en sciences informatiques, Faculté des Sciences (via competitive selection at SPBU) |
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Publications

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| September 2019 | <p>Elena Arseneva, John Iacono, Greg Koumoutsos, Stefan Langerman, Boris Zolotov,
 <i>Sublinear Explicit Incremental Planar Voronoi Diagrams</i>,
 Journal of Information Processing, 2020 Volume 28
 Pages 766-774, https://doi.org/10.2197/ipsjjip.28.766
 JIP Specially Selected Paper certificate
 Preliminary version: in JCDCG³, 2019</p> |
| September 2019 | <p>Elena Arseneva, Stefan Langerman, and Boris Zolotov,
 <i>A complete list of all convex polyhedra made by gluing regular pentagons</i>, Journal of Information Processing,
 2020 Volume 28 Pages 791-799
 https://doi.org/10.2197/ipsjjip.28.791
 Preliminary version: in JCDCG³, 2019; EGC, 2019</p> |
| April 2015 | <p>Boris Zolotov, <i>Another Solution to the Thue Problem of Non-Repeating Words</i>, arXiv 1505.00019</p> |

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
- December 2020 Б. А. Золотов, Е. И. Тодоров, Д. Г. Штукенберг,
Математика НОН-СТОП—2020. Решения задач олимпиады,
80 с., ISBN 978-5-6045675-2-4

Community service

- April 2021 **Local organising committee** of 37th EuroCG
- April 2018 — 2019 **Assistant \TeX -er** of Joint Projects of
PJSC Gazprom Neft and Chebyshev Laboratory
- 2016–present **Organising committee and jury**, Saint Petersburg
tournaments of young mathematicians
- 02.2018, 2019, 2020 **Jury**, Baltic Science And Engineering Fair