

Ludmila Glinskih

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Education

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| Boston University
PhD (in progress), <i>Theoretical Computer Science</i>
Advisors: Dr. Mark Bun and Dr. Sofya Raskhodnikova
GPA: 4.0 | 2019 – present |
| St. Petersburg Department of Steklov Institute of Mathematics of Russian Academy of Sciences
<i>Research and graduate coursework on Theoretical Computer Science</i>
Advisor: Dr. Dmitry Itsykson | 2017 – 2019 |
| St. Petersburg Academic University of Russian Academy of Sciences
M.Sc. , <i>Theoretical Computer Science</i>
Thesis: “Satisfiable Tseitin formulas are hard for nondeterministic read-once branching programs”
Advisor: Dr. Dmitry Itsykson | 2015 – 2017 |
| Peter the Great Saint-Petersburg Polytechnic University
B.Sc. , <i>Applied Mathematics and Computer Science</i> | 2009 – 2014 |

Publications

- On Tseitin Formulas, Read-Once Branching Programs and Treewidth*
Ludmila Glinskih, Dmitry Itsykson
Theory of Computing Systems, accepted for publication, 2020
- On Tseitin Formulas, Read-Once Branching Programs and Treewidth*
Ludmila Glinskih, Dmitry Itsykson
CSR 2019, **Best Paper Award winner**
- Satisfiable Tseitin formulas are hard for nondeterministic read-once branching programs*
Ludmila Glinskih and Dmitry Itsykson
MFCS 2017

Talks

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| <i>Lower bounds for MCSP for restricted circuit models</i>
MCSP reading group, Boston University, Boston, USA | Aug 6, 2020 |
| <i>A survey on the Minimum Circuit Size Problem</i>
MCSP reading group, Boston University, Boston, USA | Jun 12, 2020 |
| <i>Lower bounds for Read-Once Branching Programs for Tseitin formulas</i>
Theory Seminar, Boston University, Boston, USA | Oct 28, 2019 |

<i>On branching programs, Tseitin formulas and tree-width</i> 24th Estonian Winter School in Computer Science, Palmse, Estonia	Mar 7, 2019
<i>Lower bounds for Branching Program and Formula for Orthogonal Vectors</i> Seminar of the Laboratory of Algorithmic Methods, PDMI RAS, St. Petersburg, Russia	Nov 16, 2018
<i>Lower bound for read-once nondeterministic branching program for satisfiable Tseitin formula using tree-width</i> Workshop of Summer School on Algorithms and Lower Bounds, Satellite workshop of ICALP, Prague, Czech Republic	Jul 9, 2018
<i>On branching programs, Tseitin formulas and tree-width</i> Poster talk at ACM STOC, Los Angeles, USA	Jun 26, 2018
<i>Lower Bounds for Nondeterministic Semantic Read-Once Branching Programs</i> Complexity Seminar, PDMI RAS, St. Petersburg Russia	May 4, 2018
<i>Satisfiable Tseitin formulas are hard for nondeterministic read-once branching programs</i> Joint Estonian–Latvian Theory Days, Tartu, Estonia	Nov 24, 2017
<i>Satisfiable Tseitin formulas are hard for nondeterministic read-once branching programs</i> MFCS, Aalborg, Denmark	Aug 25, 2017
<i>Techniques of proving lower bounds on Query Complexity</i> Seminar on Sublinear Algorithms, Computer Science Club, St. Petersburg, Russia	Oct 14, 2016

Scholarships and Awards

Dean's Fellowship Awarded to PhD students at Boston University	Fall 2019
CSR 2019 Best Paper Award Paper: <i>On Tseitin Formulas, Read-Once Branching Programs and Treewidth</i> Ludmila Glinskikh, Dmitry Itsykson	July 2019
TCS Women Travel Scholarship For attending ACM STOC 2018	June 2018
Yandex Research Fellowship Awarded to Master's students at St. Petersburg Academic University RAS	Fall 2015 – Spring 2017

Teaching

Teaching Fellow CS 535: <i>Graduate Complexity Theory</i> Taught by Mark Bun at Boston University	Fall 2020
Teaching Assistant <i>Complexity Theory and Randomized Algorithms</i> Taught by Ivan Bliznets at St. Petersburg Academic University RAS	Spring 2018

Academic Service

Reviewer for CSR 2019, STOC 2020	
Organizer of a reading group on a Minimum Circuit Size Problem (MCSP) at Boston University during Summer and Fall semester 2020	Summer, Fall 2020
Author of a Telegram channel (in Russian) with advice for junior researchers	2018 – present

Other Activities

Maintainer of FFmpeg, responsible for API test <i>FFmpeg is the leading open source multimedia framework</i>	2015 – present
Member of the University Women's Soccer Team at SPbPU	2009 – 2014

Participation in Events

Computational Complexity Conference Online	Jul 28 – Jul 30, 2020
52th ACM Symposium on Theory of Computing (STOC), Online	Jun 22 – Jun 26, 2020
Hilbert–Bernays Summer School on Logic and Computation, Tübingen, Germany <i>Expenses covered by a scholarship from the organizers</i>	Jul 21 – Jul 27, 2019
Caleidoscope: Complexity as a Kaleidoscope, Paris, France	Jun 17 – Jun 21, 2019
24th Estonian Winter School in Computer Science, Palmse, Estonia <i>Expenses covered by a scholarship from the organizers</i>	Mar 3 – Mar 8, 2019
Summer School on Algorithms and Lower Bounds, Prague, Czech Republic <i>Expenses covered by a scholarship from the organizers</i>	Jul 6 – Jul 9, 2018

50th ACM Symposium on Theory of Computing (STOC), Los Angeles, USA <i>Travel expenses covered by TCS Women scholarship</i>	Jun 25 – Jun 29, 2018
Recent Advances in Algorithms, St. Petersburg, Russia	May 22 – May 26, 2018
Recent Advances in Parameterized Complexity, Tel Aviv, Israel	Dec 3 – Dec 7, 2017
Swedish Summer School in Computer Science (S3CS), Stockholm, Sweden <i>Expenses covered by a scholarship from the organizers</i>	Jul 16 – Jul 22, 2017
A Special Semester on Computational and Proof Complexity, St. Petersburg, Russia	Apr – Jun, 2016

Industry Experience

Google Zurich Site Reliability Engineering Intern (Serving Backend SRE Team)	Apr 2019 – Jul 2019
Google London Site Reliability Engineering Intern (SRE Traffic Team)	Jun 2017 – Sep 2017
Google Zurich Site Reliability Engineering Intern (YouTube Core SRE Team)	Jul 2016 – Oct 2016
FFmpeg Software Engineering Intern	May 2015 – Aug 2015
Yandex Quality Assurance Engineer (Yandex.Maps Team)	Oct 2012 – May 2015