Ludmila Glinskih

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Education

Boston University — 2019 – present
PhD (in progress), *Theoretical Computer Science*
Advisors: Dr. Mark Bun and Dr. Sofya Raskhodnikova
GPA: 4.0

St. Petersburg Department of Steklov Institute of Mathematics of Russian Academy of Sciences — 2017 – 2019
Research and graduate coursework on Theoretical Computer Science
Advisor: Dr. Dmitry Itsykson

St. Petersburg Academic University of Russian Academy of Sciences — 2015 – 2017
M.Sc., *Theoretical Computer Science*
Thesis: **"**Satisfiable Tseitin formulas are hard for nondeterministic read-once branching programs**"**
Advisor: Dr. Dmitry Itsykson

Peter the Great Saint-Petersburg Polytechnic University — 2009 – 2014
B.Sc., *Applied Mathematics and Computer Science*

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

Lower bounds for MCSP for restricted circuit models — Aug 6, 2020
MCSP reading group, Boston University, Boston, USA

A survey on the Minimum Circuit Size Problem — Jun 12, 2020
MCSP reading group, Boston University, Boston, USA

Lower bounds for Read-Once Branching Programs for Tseitin formulas — Oct 28, 2019
Theory Seminar, Boston University, Boston, USA

On branching programs, Tseitin formulas and tree-width — Mar 7, 2019
24th Estonian Winter School in Computer Science, Palmse, Estonia

Lower bounds for Branching Program and Formula for Orthogonal Vectors — Nov 16, 2018
Seminar of the Laboratory of Algorithmic Methods, PDMI RAS,
St. Petersburg, Russia

Lower bound for read-once nondeterministic branching program for satisfiable Tseitin formula using tree-width — Jul 9, 2018
Workshop of Summer School on Algorithms and Lower Bounds, Satellite workshop of ICALP, Prague, Czech Republic

On branching programs, Tseitin formulas and tree-width — Jun 26, 2018
Poster talk at ACM STOC, Los Angeles, USA

Lower Bounds for Nondeterministic Semantic Read-Once Branching Programs — May 4, 2018
Complexity Seminar, PDMI RAS, St. Petersburg Russia

Satisfiable Tseitin formulas are hard for nondeterministic read-once branching programs — Nov 24, 2017
Joint Estonian–Latvian Theory Days, Tartu, Estonia

Satisfiable Tseitin formulas are hard for nondeterministic read-once branching programs — Aug 25, 2017
MFCS, Aalborg, Denmark

Techniques of proving lower bounds on Query Complexity — Oct 14, 2016
Seminar on Sublinear Algorithms, Computer Science Club,
St. Petersburg, Russia

Scholarships and Awards

Dean's Fellowship — Fall 2019
Awarded to PhD students at Boston University

CSR 2019 Best Paper Award — July 2019
Paper: *On Tseitin Formulas, Read-Once Branching Programs and Treewidth*
Ludmila Glinskih, Dmitry Itsykson

TCS Women Travel Scholarship — June 2018
For attending ACM STOC 2018

Yandex Research Fellowship — Fall 2015 – Spring 2017
Awarded to Master's students at St. Petersburg Academic University RAS

Teaching

Teaching Fellow — Fall 2020
CS 535: Graduate Complexity Theory
Taught by Mark Bun at Boston University

Teaching Assistant — Spring 2018
Complexity Theory and Randomized Algorithms
Taught by Ivan Bliznets at St. Petersburg Academic University RAS

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 — 2015 – present
FFmpeg is the leading open source multimedia framework

Member of the University Women's Soccer Team at SPbPU — 2009 – 2014

Participation in Events

Computational Complexity Conference — Jul 28 – Jul 30, 2020
Online

52th ACM Symposium on Theory of Computing (STOC), — Jun 22 – Jun 26, 2020
Online

Hilbert–Bernays Summer School on Logic and Computation, — Jul 21 – Jul 27, 2019
Tübingen, Germany
Expenses covered by a scholarship from the organizers

Caleidoscope: Complexity as a Kaleidoscope, — Jun 17 – Jun 21, 2019
Paris, France

24th Estonian Winter School in Computer Science, — Mar 3 – Mar 8, 2019
Palmse, Estonia
Expenses covered by a scholarship from the organizers

Summer School on Algorithms and Lower Bounds, — Jul 6 – Jul 9, 2018
Prague, Czech Republic
Expenses covered by a scholarship from the organizers

50th ACM Symposium on Theory of Computing (STOC), Jun 25 – Jun 29, 2018
Los Angeles, USA
Travel expenses covered by TCS Women scholarship

Recent Advances in Algorithms, May 22 – May 26, 2018
St. Petersburg, Russia

Recent Advances in Parameterized Complexity, Dec 3 – Dec 7, 2017
Tel Aviv, Israel

Swedish Summer School in Computer Science (S3CS), Jul 16 – Jul 22, 2017
Stockholm, Sweden
Expenses covered by a scholarship from the organizers

A Special Semester on Computational and Proof Complexity, Apr – Jun, 2016
St. Petersburg, Russia

Industry Experience

Google Zurich Apr 2019 – Jul 2019
Site Reliability Engineering Intern (Serving Backend SRE Team)

Google London Jun 2017 – Sep 2017
Site Reliability Engineering Intern (SRE Traffic Team)

Google Zurich Jul 2016 – Oct 2016
Site Reliability Engineering Intern (YouTube Core SRE Team)

FFmpeg May 2015 – Aug 2015
Software Engineering Intern

Yandex Oct 2012 – May 2015
Quality Assurance Engineer (Yandex.Maps Team)