

Dmitry Grishchenko

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Education

Université Grenoble Alpes

Ph.D. in Applied Mathematics

Subject: Distributed Optimization for Large-Scale Problems

Supervisors: F. lutzeler (UGA), M.-R. Amini (UGA), J. Malick (CNRS and LJK)

Grenoble

2017–now

Higher School of Economics

M.Sc. in Applied Mathematics

Thesis: Minimal Mutual Information Model Problem

Supervisor: A. Gasnikov (MIPT)

Moscow

2015–2017

Higher School of Economics

B.Sc. in Mathematics

Thesis: Lattices, Sphere Packing and Number Theory

Supervisor: A. Zykin (HSE)

Moscow

2011–2015

Publications

G. Bareilles, Y. Laguel, **D. Grishchenko**, F. lutzeler, J. Malick

Randomized Progressive Hedging methods for Multi-stage Stochastic Programming

Under review in **ANOR**

Toolbox

2020

D. Grishchenko, F. lutzeler, and J. Malick

Proximal Gradient Methods with Adaptive Subspace Sampling

Under review in **MOOR**

Preprint

2019

A. Ivanova, D. Pasechnyuk, **D. Grishchenko**, E. Shulgin, A. Gasnikov

Adaptive Catalyst for Smooth Convex Optimization

Preprint

2019

D. Grishchenko, F. lutzeler, J. Malick, and M.-R. Amini

Asynchronous Distributed Learning with Sparse Communications and Identification

Preprint

2018

F. Hanzley, J. Konecny, N. Loizou, P. Richtarik, **D. Grishchenko**

A Privacy Preserving Randomized Gossip Algorithm via Controlled Noise Insertion

PPML NeurIPS 2018

Workshop

2018

F. Hanzley, J. Konecny, N. Loizou, P. Richtarik, **D. Grishchenko**

Privacy Preserving Randomized Gossip Algorithms

Preprint

2017

D. Grishchenko

Origami: What One Can Get via Paper Folding (Rus)

Matematicheskoye Prosveshcheniye

Journal

2013

Scholarships and Grants

PGMO - PRMO

Distributed Optimization on Graphs with Flexible Communications, 5k euro

2019-2020

Together with F. lutzeler (LJK, Grenoble)

Summer Schools and Research Visits

Research Visit; Adviser: P. Richtarik	KAUST, Thuwal 2019
ICCOPT 2019 Summer School	Berlin 2019
Mini-cours "optimisation et apprentissage: applications en vision"	Autrans 2018
Research Visit; Adviser: P. Richtarik	KAUST, Thuwal 2017

Teaching Experience

Université Grenoble Alpes <i>Teaching assistant</i>	Grenoble 2018–now
o 2019–2020 <ul style="list-style-type: none">- Matrix Analysis and Numerical Optimization (20h)- Optimisation Numérique (30h)	
o 2018–2019 <ul style="list-style-type: none">- Matrix Analysis and Numerical Optimization (20h)- Convex and Distributed Optimization (20h)- Optimisation Numérique (20h)	

Working Experience

Altium <i>Software Developer</i> <i>PCB design software</i> Writing the topological tracer library on C++. Establishing and maintaining geometric library. Working with Boost C++ library, unit-tests.	Moscow 2016–2017
Citibank <i>Intern in Decision Management Unit</i> <i>Help in creating new products passports</i> Maintaining an online passports creator via MS Sharepoint and SQL.	Moscow 2014–2015
The Tournament of Towns <i>Mathematical Olympiad Works Inspector</i> <i>Check the correctness of the solutions</i> Reading and assessing the works of the high school students.	Moscow 2011–2015

Languages

Russian: Native	Python: numpy, spark, mpi4py, scipy,...
English: Fluent	C++: STL, Boost
French: Basic	knowledge of: Julia , LaTeX , Markdown

Certificates

Algorithmic Toolbox	Coursera 2016
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An online non-credit course authorized by University of California, San Diego and Higher School of Economics and offered through Coursera.

Presentations

Conferences and Workshops.....

ICCOPT 2019	Berlin
Talk	2019
Identification-Based First-Order Algorithms for Distributed Learning	
SPARS 2019	Toulouse
Poster	2019
Distributed First-Order Optimization with Tamed Communications	
OSL 2019	Les Houches
Poster	2019
Identify and Sparsify: Distributed Optimization with Asynchronous Moderate Communications	
ISMP 2018	Bordeaux
Talk	2018
Distributed Optimization with Sparse Communications and Structure Identification	
Grenoble Optimization Days 2018	Grenoble
Talk	2018
Distributed Optimization with Sparse Communications and Structure Identification	
Journées SMAI-MODE 2018	Autrans
Poster	2018
Distributed Optimization with Sparse Communications	
59th MIPT scientific conference	Moscow
Talk	2016
Solving of Minimal Mutual Information Model Problem via Regularization of Dual Problem and Using Ellipsoid Method with Inexact Oracle	
Other.....	
Grenoble Optimization Reading Group	Grenoble
Talk	2019
Accelerated Distributed Optimization with Asynchronous Moderate Communications	
DAO team seminar	Grenoble
Talk	2019
Identify and Sparsify: Distributed Optimization with Asynchronous Moderate Communications	
Demi-journée des doctorants 2018	Grenoble
Talk	2018
Randomized Proximal Algorithm with Automatic Dimension Reduction	