

Dmitry Grishchenko

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I have not failed. I've just found 10,000 ways that won't work.

Thomas A. Edison

Education

Université Grenoble Alpes

Grenoble

Ph.D. in Applied Mathematics

2017–now

Subject: Distributed Optimization for Large-Scale Problems

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

Higher School of Economics

Moscow

M.Sc. in Applied Mathematics

2015–2017

Thesis: Minimal Mutual Information Model Problem

Supervisor: A. Gasnikov (MIPT).

Higher School of Economics

Moscow

B.Sc. in Mathematics

2011–2015

Thesis: Lattices, Sphere Packing and Number Theory

Supervisor: A. Zykin (HSE).

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

Conferences and Workshops Organizing

Grenoble Optimization Days 2018

Grenoble

Together with A. Iouditski, J. Malick (LJK, Grenoble) and A. Gasnikov (MIPT, Moscow)

2018

Scholarships and Grants

PGMO - PRMO

Distributed Optimization on Graphs with Flexible Communications, 5k euro

2019–2020

Together with F. lutzeler (LJK, Grenoble)

Experience

Vocational.....

Université Grenoble Alpes

Grenoble

Teaching assistant

2018–now

- 2019–2020
 - Matrix Analysis and Numerical Optimization (20h)
- 2018–2019
 - Matrix Analysis and Numerical Optimization (20h)
 - Convex and Distributed Optimization (20h)
 - Optimisation Numérique (20h)

Altium

Moscow

Software Developer

2016–2017

PCB design software

Writing the topological tracer library on C++. Establishing and maintaining geometric library. Working with Boost C++ library, unit-tests.

The Tournament of Towns

Moscow

Mathematical Olympiad Works Inspector

2011–2015

Check the correctness of the solutions

Reading and assessing the works of the high school students.

Miscellaneous.....

Citibank

Moscow

Intern in Decision Management Unit

2014–2015

Help in creating new products passports

Maintaining an online passports creator via MS Sharepoint and SQL.

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

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 <i>Poster</i> Identify and Sparsify: Distributed Optimization with Asynchronous Moderate Communications	Les Houches 2019
ISMP 2018 <i>Talk</i> Distributed Optimization with Sparse Communications and Structure Identification	Bordeaux 2018
Grenoble Optimization Days 2018 <i>Talk</i> Distributed Optimization with Sparse Communications and Structure Identification	Grenoble 2018
Journées SMAI-MODE 2018 <i>Poster</i> Distributed Optimization with Sparse Communications	Autrans 2018
59th MIPT scientific conference <i>Talk</i> Solving of Minimal Mutual Information Model Problem via Regularization of Dual Problem and Using Ellipsoid Method with Inexact Oracle	Moscow 2016
<i>Other</i>	
Grenoble Optimization Reading Group <i>Talk</i> Accelerated Distributed Optimization with Asynchronous Moderate Communications	Grenoble 2019
DAO team seminar <i>Talk</i> Identify and Sparsify: Distributed Optimization with Asynchronous Moderate Communications	Grenoble 2019
Demi-journée des doctorants 2018 <i>Talk</i> Randomized Proximal Algorithm with Automatic Dimension Reduction	Grenoble 2018

Papers

D. Grishchenko , F. Iutzeler, and J. Malick <i>Proximal Gradient Methods with Adaptive Subspace Sampling</i> Under review in MOOR	Preprint 2019
A. Ivanova, D. Grishchenko , A. Gasnikov, E. Shulgin <i>Adaptive Catalyst for smooth convex optimization</i>	Preprint 2019
D. Grishchenko , F. Iutzeler, J. Malick, and M.-R. Amini <i>Asynchronous Distributed Learning with Sparse Communications and Identification</i>	Preprint 2018
F. Hanzley, J. Konecny, N. Loizou, P. Richtarik, D. Grishchenko <i>A Privacy Preserving Randomized Gossip Algorithm via Controlled Noise Insertion</i> PPML NeurIPS 2018	Workshop 2018
F. Hanzley, J. Konecny, N. Loizou, P. Richtarik, D. Grishchenko <i>Privacy Preserving Randomized Gossip Algorithms</i>	Preprint 2017
D. Grishchenko <i>Origami: What One Can Get via Paper Folding (Rus)</i> <u>Matematicheskoye Prosveshcheniye</u>	Journal 2013