



Tetiana Parshakova

Ph.D. Student in Computational and Mathematical Engineering, admitted Autumn 2019

Bio

BIO

I am a Ph.D. candidate in Computational Mathematics at Stanford, working with Prof. Stephen Boyd.

My primary research objective is to develop efficient algorithms for computational problems using techniques from optimization, discrete mathematics, and statistics. In particular, my research interests include large-scale and distributed convex optimization, network science, learning and inference for network data, numerical and randomized linear algebra, low rank and structured optimization, and machine learning.

Prior to my Ph.D., I received a Bachelor's in Industrial Design and a Master's in Electrical Engineering at KAIST.

I am Ukrainian.

HONORS AND AWARDS

- Oliger Memorial Fellowship, Stanford ICME (2019-2022)
- Qualcomm-KAIST Innovation Awards, Qualcomm (2016, 2018)
- SIGGRAPH 2016 Emerging Technologies DC EXPO Special Prize, SIGGRAPH (2016)
- International Scholarship, Korea Advanced Institute of Science and Technology (2012-2016, 2017-2019)

EDUCATION AND CERTIFICATIONS

- MS, Korea Advanced Institute of Science and Technology , Electrical Engineering (2019)
- BS, Korea Advanced Institute of Science and Technology , Industrial Design (2017)

LINKS

- Personal website: <https://parshakova.github.io>

Professional

WORK EXPERIENCE

- ML Researcher - NAVER Labs Europe (3/2019 - 7/2019)
- ML Research Intern - Apple Inc. (6/2020 - 9/2020)

Publications

PUBLICATIONS

- **Implementation of an oracle-structured bundle method for distributed optimization** *OPTIMIZATION AND ENGINEERING*
Parshakova, T., Zhang, F., Boyd, S.
2023