# Ming Ding

PhD candidate
Department of Computer Science, ETH Zürich, Switzerland
Phone: +41 76 556 42 42
Email: ming.ding@inf.ethz.ch
Website: https://2015dingm.github.io/

## Education

| | |
|---|---|
| 2020-present | PhD, Department of Computer Science, ETH Zürich, advised by Rasmus Kyng |
| 2017-2020 | MSc, UM-SJTU Joint Institute, Shanghai Jiao Tong University |
| 2015-2017 | Master in Engineering, CentraleSupélec (Paris-Saclay University) |
| 2013-2015 | BSc, School of Electronic Information and Electrical Engineering, Shanghai Jiao Tong University |

## Research Interests

My research interests in general lie in convex optimization and graph algorithms. In particular, I am interested in fine-grained complexity theory of Linear Programming and its applications.

## Publications & Manuscripts

| | |
|---|---|
| TKDD 2021 | *Establishing Smartphone User Behavior Models Based on Energy Consumption Data* with T. Wang, and X. Wang |
| Submitted | *Hardness Results for Laplacians of Simplicial Complexes via Sparse-Linear Equation Complete Gadgets* with R. Kyng, M. Probst, and P. Zhang |
| In preparation | *Two-Commodity Flow is Equivalent to Linear Programming under Nearly-Linear Time Reductions* with R. Kyng, and P. Zhang |

## Teaching Experience

| | |
|---|---|
| Spring 2022 | 252-4225-00L Presenting Theoretical Computer Science |
| Spring 2021 | 263-4400-00L Advanced Graph Algorithms and Optimization |
| Fall 2020 | 252-0209-00L Algorithms, Probability, and Computing |

Last updated: January 16, 2022