

Olga Kuryatnikova

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EXPERIENCE

- **Erasmus University Rotterdam, Netherlands**
Assistant professor at Erasmus School of Economics
Research: non-linear optimization, optimization for networks and markets. Teaching: Linear Programming, Optimization Under Uncertainty. Supervision: B.Sc. and M.Sc. theses.
October 2020 - present
- **University of Western Ontario, Canada**
Postdoctoral researcher at Ivey Business School
Research: solving non-linear problems in energy network optimization
October 2019 - October 2020
- **Tilburg University, Netherlands**
Researcher and teacher at the Econometrics and Operations Research Department
Research: polynomial optimization, convex optimization. Teaching: Convex Optimization, Business Analytics, Statistics.
September 2015 - September 2019
- **Sociale Verzekeringsbank, Netherlands**
Intern in the Department of Finance & Control
Built an econometric model of demand for social assistance for retirees.
April 2014 - July 2014
- **Expert RA, Russia**
Credit risk analyst in the Department of Corporate Ratings
Developed credit rating methodologies and conducted credit risk analysis for pension funds, non-financial companies and sovereign issuers.
June 2011 - August 2013

EDUCATION

- **Ph.D. Operations Research**
Tilburg University, the Netherlands
2015 - 2019.
- **M.Sc. Econometrics and Operations Research**
Tilburg University, the Netherlands
2013 - 2015

EDUCATION (cont.)

- **M.Sc. Financial Economics**
Higher School of Economics, Russia
2010 - 2012
- **B.Sc. Economics**
Moscow State University, Russia
2006 - 2010

SKILLS

- **Methods**
Mathematical modeling and optimization, econometric modeling, statistical analysis, machine learning, decision making based on data analysis.
- **IT**
MS Office, \LaTeX , Matlab, Python. Some experience with Github, Julia, Jupiter Notebook, R, SQL, Stata.
- **Languages**
Russian (native), English (fluent), Dutch (advanced).

MAIN RESEARCH

- **The maximum k -colorable subgraph problem and related problems**, with R. Sotirov and J. C. Vera. *Inform Journal on Computing*, 2021.
- **Adjustable robust optimization applied to Optimal Power Flow**, with B. Ghaddar and D. K. Molzahn. *Working paper 2021, under revision.*
- **New bounds for truthful scheduling on two unrelated selfish machines**, with J. C. Vera. *Theory of Computing Systems*, 2020.
- **Reducing non-negativity over general semi-algebraic sets to non-negativity over simple sets**, with J. C. Vera and L.F. Zuluaga. *Working paper 2019, under revision.*

Other

- Recent conferences and workshops: Theoretical Foundations of Electricity Market Design (2022), SIAM Conference on Optimization (2021), ICCOPT Conference on Continuous Optimization (2019).
- Operations Research Seminar organizer at Erasmus University Rotterdam (2020 - present).