



# Alexandra Suvorikova

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## Personal information

Born on 22.03.1989 in Moscow, Russia

## Education

Oct 2013 – **PhD in Mathematics**, *Humboldt Universität zu Berlin*.

Jun 2017

Title Detection of structural breaks in complex data

Description The work presents a multi-scale approach for detection of structural breaks based on the idea of multiplier bootstrap and develops the methodology further beyond the classical  $\mathbb{R}^d$ -Euclidean scope. Namely, we investigate the case, where the observations are points in 2-Wasserstein space, i.e. are probability measures with finite second moment supported on  $\mathbb{R}^d$ .

Supervisor Prof. Dr. V. Spokoiny

Prädicat Summa cum laude

Sep 2010 – **Master in Applied Physics and Mathematics**, *Moscow Institute of Physics and*

Jul 2012 *Technology (State University)*.

Description Clustering of message sequences in microblogs with applications to detection of hot topics in media

Supervisor Prof. Dr. K. Vorontsov

GPA 4.95 (the best note is 5.0)

Sep 2006 – **Bachelor in Applied Physics and Mathematics**, *Moscow Institute of Physics and*

Jul 2010 *Technology (State University)*.

Description Investigation of network architecture and cooperation of players in games with imperfect information

Supervisor Prof. Dr. I. Menshikov

GPA 4.75 (the best note is 5.0)

## Experience

2020 – pres Senior reseracher at International Laboratory of Stochastic Algorithms and High-Dimensional Inference, Higher School of Economics, Moscow

2020 – pres Researcher at RG 6 "Stochastic Algorithms and Nonparametric Statistics", Weierstrass Institute, Berlin

2013 – pres Researcher at Institute for Information Transmission Problems, RAS

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- 2018 – 2020 Postdoc at Institute of Mathematics at University Potsdam, Potsdam
- 2016 – 2018 Researcher at RG 6 "Stochastic Algorithms and Nonparametric Statistics", Weierstrass Institute, Berlin
- 2013 – 2016 Researcher at IRTG 1792 "High Dimensional Nonstationary Time Series", Humboldt Uni zu Berlin
- 2011 – 2013 Junior researcher and developer at the group "Development of tools for statistical analysis", Yandex, Moscow
- 2008 – 2012 Junior Researcher at the Department of Intelligent Systems, Computer Center of Russian Academy of Science, Moscow

## Teaching

- Winter 2019 Lecturer for the course "Statistik für Bio-und Ernährungswissenschaften" for bachelors (in German)
- Summer 2019 Lecturer for the course "Statistical machine learning" for masters
- Winter 2018 Lecturer for course "Statistik für Bio-und Ernährungswissenschaften" for bachelors (in German)
- 2014–2016 iTeaching Assistant for "Modern Statistics" course, Humboldt University
- 2012 – 2013 Teaching Assistant for stochastic and probability courses, Moscow Institute of Physics and Technology (master and PhD level)
- 2012 – 2013 Teaching Assistant for stochastic and probability courses, Independent University of Moscow (master and PhD level)

## Computer Skills and Languages

R, Python, MatLab,  $\text{\LaTeX}$

Russian (native), English (professional), German (professional), French (professional), Spanish (needs activation)

## Other

Was awarded with [Google Anita Borg Memorial Scholarship](#) in 2014.

Google Scholar profile: [Alexandra Suvorikova](#).

Organization of conferences: [Statistical optimal transport, 2018](#); [Optimal Transport & Machine learning at NeurIPS, 2019](#)

Hobbies: chess, foreign languages