Kirill Neklyudov

Email: k.necludov@gmail.com   **LinkedIn**: linkedin.com/in/kirill-neklyudov/

GoogleScholar: link   **GitHub**: github.com/necludov

Publications

Action Matching
Kirill Neklyudov, Daniel Severo, Alireza Makhzani.
arxiv

Orbital MCMC
Kirill Neklyudov, Max Welling.
AISTATS 2022 (oral).

Involutive MCMC: a Unifying Framework
Kirill Neklyudov, Max Welling, Evgenii Egorov, Dmitry Vetrov.
ICML 2020.

The Implicit Metropolis-Hastings Algorithm
Kirill Neklyudov, Evgenii Egorov, Dmitry Vetrov.
NeurIPS 2019.

Variance Networks: When Expectation Does Not Meet Your Expectations
Kirill Neklyudov, Dmitry Molchanov, Arsenii Ashukha, Dmitry Vetrov.
ICLR 2019.

Structured Bayesian Pruning via Log-Normal Multiplicative Noise
Kirill Neklyudov, Dmitry Molchanov, Arsenii Ashukha, Dmitry Vetrov.
NeurIPS 2017.

Particle Dynamics for Learning EBMs
Kirill Neklyudov, Priyank Jaini, Max Welling.
NeurIPS 2021 Workshop on Deep Generative Models (oral)

Deterministic Gibbs Sampling via Ordinary Differential Equations
Kirill Neklyudov, Roberto Bondesan, Max Welling.
arxiv.

Metropolis-Hastings view on variational inference and adversarial training
Kirill Neklyudov, Evgenii Egorov, Pavel Shvechikov, Dmitry Vetrov.
arXiv.

Reviewer experience

NeurIPS 2020, 2021 (outstanding reviewer award), 2022 (top reviewer);
ICLR 2021, 2022 (highlighted reviewer);
AISTATS 2021, 2022.
TMLR 2022
JMLR 2022

Research experience

Vector Institute   Toronto, Canada
Postdoctoral Researcher   2021 – Present
Topic: deterministic Monte Carlo methods.

University of Amsterdam, AMLab Amsterdam, the Netherlands
Postdoctoral Researcher 2020 – 2021
Topic: deterministic Monte Carlo methods.

Samsung, AI center Moscow, Russia
Researcher 2018 – 2020
Topics: improvement of deep generative models, deep Monte Carlo methods.

Higher School of Economics, CS department Moscow, Russia
Researcher 2018 – 2020
Topic: Bayesian deep learning.

Yandex, Research Moscow, Russia
Researcher 2017 – 2018
Topic: sparsification of deep neural networks.

Industry experience **Yandex,** Data Factory Moscow, Russia
Data Scientist 2014 – 2017
Problems: image segmentation, industrial processes optimization.
Responsibilities: problem statement, developing and evaluating predictive models, prototyping the solution.

Yandex, Data Factory Moscow, Russia
Intern 2013 – 2014
Problem: GPS tracks classification.
Responsibilities: problem statement, developing and evaluating predictive models, prototyping the solution.

Teaching experience **Assistant lecturer**
CS Department (National Research University Higher School of Economics)
Bayesian methods in Machine Learning Sep 2017 – Apr 2020
Responsibilities: participating in course development (assignments and lectures), evaluation of students.

Assistant lecturer
CS Department (National Research University Higher School of Economics)
Machine Learning Sep 2016 – Dec 2018
Responsibilities: participating in course development (assignments and lectures), evaluation of students.

Tutor Sep 2016 – Dec 2018
Math and Physics for university and high school students

Education	**Higher School of Economics**	Moscow, Russia
	PhD in Computer Science	Sep 2016 – Nov 2020
	Mentor: Professor Dmitry Vetrov	
	Yandex School of Data Analysis	Moscow, Russia
	Additional education in Data Science	Sep 2014 – June 2016
	Moscow Institute of Physics and Technology	Moscow, Russia
	MA in Applied Physics and Mathematics	Sep 2014 – June 2016
	Mentors: Professors Konstantin Vorontsov, Viktor Lobachev. *GPA: 4.76 / 5.0.*	
	Moscow Institute of Physics and Technology	Moscow, Russia
	BA in Applied Physics and Mathematics	Sep 2010 – June 2014
	Mentors: Professors Konstantin Vorontsov, Viktor Lobachev. *GPA: 4.82 / 5.0.*	
Talks	**Langevin Dynamics for Sampling and Global Optimization**	Aug 2019
	Deep Bayes Summer School 2019, Moscow	
	Bayesian Sparsification of Deep Neural Networks	Aug 2018
	Deep Bayes Summer School 2018, Moscow	