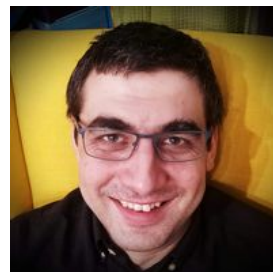


CURRICULUM VITAE

BLAŻEJ MIASOJEDOW

PERSONAL DATA

AFFILIATION	University of Warsaw
BORN	26 IX 1980
CITIZENSHIP	Polish
PHD	September 2011
E-MAIL	b.miasojedow@mimuw.edu.pl
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RESEARCH INTEREST

Computational statistics, Monte Carlo methods, Bayesian inference,
Mass spectrometry, Bioinformatics, Inverse problems

ACADEMIC EXPERIENCE

2017–...	Institute of Applied Mathematics and Mechanics, University of Warsaw, Assistant Professor
2016–2017	Institute of Mathematics of Polish Academy of Sciences, Assistant Professor
2012–2016	Institute of Applied Mathematics and Mechanics of University of Warsaw, Assistant Professor
2011–2012	Joint postdoc position at Telecom ParisTech and École des Ponts et Chaussées
2010–2011	Institute of Applied Mathematics and Mechanics of University of Warsaw, Assistant Professor
2006–2010	University of Warsaw, PhD studies in mathematical sciences; PhD Thesis defended in September 2011, 'Bounds on the estimation error for MCMC algorithms', supervisor prof. Wojciech Niemiro
1999–2005	University of Warsaw, studies in mathematics

PROJECTS

2019–2022	PI of (Polish) National Science Centre Grant Opus 2018/31/B/ST1/00253 'Computational methods for high dimensional statistical learning'
2016–2018	PI of (Polish) National Science Centre Grant Sonata 2015/17/D/ST1/01198 'Monte Carlo methods for Markov jump processes'

PUBLICATIONS

25. Małgorzata Bogdan, Błażej Miasojedow, Jonas Wallin, *Discuss: A Novel Algorithmic Approach to Bayesian Logic Regression (with Discussion)*, *Bayesian Analysis* 15(1):295–301, 2020.
24. Michał Aleksander Ciach, Błażej Miasojedow, Grzegorz Skoraczyński, Szymon Majewski, Michał Startek, Dirk Valkenborg, Anna Gambin *Masserstein: linear regression of mass spectra by optimal transport* *Rapid Communications in Mass Spectrometry* 2020.
23. Tomasz Cąkała, Błażej Miasojedow, Wojciech Niemirow, *Particle MCMC with Poisson Resampling: Parallelization and Continuous Time Models*, *Journal of Computational and Graphical Statistics* 1–36, 2020.
22. Alain Durmus, Szymon Majewski, Błażej Miasojedow, *Analysis of Langevin Monte Carlo via Convex Optimization*, *Journal of Machine Learning Research* 20(73):1–46, 2019.
21. Mateusz K. Łącki, Frederik Lermyte, Błażej Miasojedow, Michał P. Startek, Frank Sobott, Dirk Valkenborg, Anna Gambin, *Masstodon: a tool for assigning peaks and modeling electron transfer reactions in top-down mass spectrometry*, *Analytical Chemistry* 91(3):1801–1807, 2019.
20. Belhal Karimi, Błażej Miasojedow, Eric Moulines, Hoi-To Wai, *Non-asymptotic analysis of biased stochastic approximation scheme* *Conference on Learning Theory* 1944–1974, 2019.
19. Neo Christopher Chung, Błażej Miasojedow, Michał Startek, Anna Gambin, *Jaccard/Tanimoto similarity test and estimation methods for biological presence-absence data*, *BMC Bioinformatics* 20(15):1-11, 2019.
18. Błażej Miasojedow, Wojciech Rejchel, *Sparse Estimation in Ising Model via Penalized Monte Carlo Methods*, *Journal of Machine Learning Research* 19:1–26, 2018.
17. Michał Aleksander Ciach, Mateusz Krzysztof Łącki, Błażej Miasojedow, Frederik Lermyte, Dirk Valkenborg, Frank Sobott, Anna Gambin, *Estimation of Rates of Reactions Triggered by Electron Transfer in Top-Down Mass Spectrometry*, *Journal of Computational Biology* 25(3):282–301, 2018.
16. Szymon Majewski, Michał Aleksander Ciach, Michał Startek, Wanda Niemyska, Błażej Miasojedow, Anna Gambin, *The Wasserstein distance as a dissimilarity measure for mass spectra with application to spectral deconvolution*, 18th International Workshop on Algorithms in Bioinformatics (WABI 2018) 2018.
15. Grzegorz Skoraczyński, Piotr Dittwald, Błażej Miasojedow, Sara Szymkuć, Ewa P. Gajewska, Bartosz Grzybowski, Anna Gambin, *Predicting the outcomes of organic reactions via machine learning: are current descriptors sufficient?* *Scientific Reports* 7(1):1–9, 2017.

14. Michał Aleksander Ciach, Mateusz Krzysztof Łącki, Błażej Miasojedow, Frederik Lermyte, Dirk Valkenborg, Frank Sobott, Anna Gambin, *Estimation of Rates of Reactions Triggered by Electron Transfer in Top-Down Mass Spectrometry*, Bioinformatics Research and application (ISBRA 2017), 10330:96-107, 2017.
13. Błażej Miasojedow, Wojciech Niemirow, *Geometric ergodicity of Rao and Teh's algorithm for Markov jump processes and CTBNs*, Electronic Journal of Statistics 11(2):4629–4648, 2017.
12. Błażej Miasojedow, Wojciech Niemirow, Jan Palczewski, Wojciech Rejchel, *Adaptive Monte Carlo maximum likelihood*, Challenges in Computational Statistics and Data Mining 247–270, 2016.
11. Mateusz Krzysztof Łącki, Błażej Miasojedow, *State-dependent swap strategies and automatic reduction of number of temperatures in adaptive parallel tempering algorithm*, Statistics and Computing 26(5):951–964, 2016.
10. Błażej Miasojedow, Wojciech Niemirow, *Geometric ergodicity of Rao and Teh's algorithm for homogeneous Markov jump processes*, Statistics & Probability Letters 113:1–6, 2016.
9. Piotr Gwiazda, Błażej Miasojedow, Magdalena Rosińska, *Bayesian inference for age-structured population model of infectious disease with application to varicella in Poland*, Journal of Theoretical Biology 407:38–50, 2016.
8. Błażej Miasojedow, Wojciech Niemirow, Jan Palczewski, Wojciech Rejchel, *Asymptotics of Monte Carlo maximum likelihood estimates*, Probability and Mathematical Statistics-Poland 36(2):295–310, 2016.
7. Benjamin Jourdain, Tony Lelièvre, Błażej Miasojedow, *Optimal scaling for the transient phase of the random walk Metropolis algorithm: the mean-field limit*, Annals of Applied Probability 25(4):2263–2300, 2015.
6. Paweł Błażej, Błażej Miasojedow, Małgorzata Grabińska, Paweł Mackiewicz, *Optimization of mutation pressure in relation to properties of protein-coding sequences in bacterial genomes*, PloS one 10(6):e0130411, 2015.
5. Benjamin Jourdain, Tony Lelièvre, Błażej Miasojedow, *Optimal scaling for the transient phase of Metropolis Hastings algorithms: the longtime behavior* Bernoulli 20(4):1930–1978, 2014.
4. Błażej Miasojedow, *Hoeffding's inequalities for geometrically ergodic Markov chains on general state space*, Statistics & Probability Letters 87:115–120, 2014.
3. Błażej Miasojedow, Eric Moulines, Matii Vihola, *An adaptive parallel tempering algorithm*, Journal of Computational and Graphical Statistics 22(3):649–664, 2013.
2. Krzysztof Łatuszyński, Błażej Miasojedow, Wojciech Niemirow, *Nonasymptotic bounds on the estimation error of MCMC algorithms*, Bernoulli 19(5A):2033–2066, 2013.

1. Krzysztof Łatuszyński, Błażej Miasojedow, Wojciech Niemirow, *Nonasymptotic bounds on the mean square error for MCMC estimates via renewal techniques*, Proceedings of Monte Carlo and Quasi-Monte Carlo Methods 2010, 539-555, 2012.

PHD STUDENTS

2017–...	Grzegorz Skoraczyński
2016–2020	Szymon Majewski (co-supervisor with Alain Durmus), defense June 2020
2014–2018	Mateusz Krzysztof Łącki (co-supervisor with Anna Gambin), defense Dec 2018

EDITORIAL BOARD

2021	37th Conference on Uncertainty in Artificial Intelligence (UAI2021) (programme committee)
2020–...	Probability and Mathematical Statistics (associate editor)
2019–...	Statistics (associate editor)

SERVICE

2016	Organizer of ‘XLII Konferencja Statystyka Matematyczna’
2013	Organizer of session ‘Convergence Rates for Markov Processes’ during German-Polish Joint Conference on Probability Theory and Mathematical Statistics