

Mijung Park

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Education

- December, 2013 **Doctor of Philosophy**
Electrical and Computer Engineering, The University of Texas at Austin, U.S.A.
Advisors: Prof. Jonathan Pillow & Prof. Al Bovik
- May, 2010 **Master of Science in Engineering**
Electrical and Computer Engineering, The University of Texas at Austin, U.S.A.
Advisors: Prof. Jonathan Pillow & Prof. Haris Vikalo
- August, 2003 **Bachelor of Science**
Electrical and Computer Engineering, Hanyang University, Seoul, South Korea

Publications

1. **Mijung Park**, James Foulds, Kamalika Chaudhuri, Max Welling, Practical privacy for expectation maximization, *AISTATS* 2017
2. **Mijung Park**, James Foulds, Kamalika Chaudhuri, Max Welling, Variational Bayes in private settings (VIPS), *arXiv*, 2016, Under review
3. **Mijung Park**, James Foulds, Kamalika Chaudhuri, Max Welling, Private topic modeling, NIPS workshops 2016, selected for an oral presentation
4. **Mijung Park**, Max Welling, A note on privacy preserving iteratively reweighted least squares, ICML workshops 2016
5. **Mijung Park***, Wittawat Jitkrittum*, Dino Sejdinovic, "K2-ABC: Approximate Bayesian computation via kernel embeddings", *equally contributed, *AISTATS*, 2016, selected for an oral presentation, top 1% of accepted papers
6. Jonathan Pillow, **Mijung Park**, Adaptive Bayesian methods for closed-loop neurophysiology, *Elsevier*, ISBN 9780128024522, 2016
7. **Mijung Park**, Wittawat Jitkrittum, Zoltan Szabo, Ahmad Qamar, Lars Buesing, Maneesh Sahani, "Bayesian manifold learning: locally linear latent variable model (LL-LVM)", *NIPS*, 2015
8. **Mijung Park**, Jakob Macke, "Hierarchical models for neural population dynamics in the presence of non-stationarity", *NIPS*, 2015
9. **Mijung Park**, J. Patrick Weller, Greg Horwitz, Jonathan Pillow, "Bayesian active learning of neural firing rate maps with transformed Gaussian process priors", *Neural Computation*, 2014
10. Anqi Wu, **Mijung Park**, Oluwasanmi Koyejo, Jonathan Pillow, "Sparse Bayesian structure learning with dependent relevance determination priors", *NIPS* 2014
11. **Mijung Park**, "Bayesian learning methods for neural coding", *Ph.D. Thesis*, 2013
12. **Mijung Park***, Oluwasanmi Koyejo*, Joydeep Ghosh, Russell Poldrack, Jonathan Pillow, "Bayesian structure learning for functional neuroimaging", *AISTATS* 2013, *equally contributed
13. **Mijung Park**, Marcel Nassar, Haris Vikalo, "Bayesian active learning for drug combinations", *IEEE transactions on Biomedical engineering*, 2013
14. **Mijung Park**, Jonathan Pillow, "Bayesian neural receptive field inference with low-rank priors", *NIPS* 2013

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15. **Mijung Park**, Marcel Nassar, Brian Evans, Haris Vikalo, "Adaptive experimental design for drug combinations", *IEEE Statistical Signal Processing* 2012
 16. **Mijung Park**, Jonathan Pillow, "Bayesian active learning with localized priors for fast receptive field characterization", *NIPS* 2012
 17. **Mijung Park**, Greg Horwitz, Jonathan Pillow, "Active learning of neural response functions with Gaussian processes", *NIPS* 2011, selected for a spotlight presentation, top 3% of accepted papers
 18. Zrinka Puljiz, **Mijung Park**, Robert Heath Jr., "A machine learning approach to link adaptation for SC-FDE System", *IEEE Global Communications Conference 2011*
 19. **Mijung Park**, Jonathan Pillow JW, "Receptive field inference with localized priors", *PLoS Computational Biology* 7(10), 2011, selected by F1000 and placed in the top 2 % of published articles in biology and medicine

Professional Experience

Research group leader	Max Planck Institute for Intelligent Systems , Tuebingen, Germany	June, 2017 – Now
Research associate	QUvA Lab , University of Amsterdam, Netherlands	November, 2015 – May, 2017
Research associate	Gatsby Computational Neuroscience Unit , University College London, U.K.	April, 2014 to October, 2015
Visiting scientist	Max Planck Institute for Biological Cybernetics , Tuebingen, Germany	January to March, 2014
Research scientist	Amazon Corporate , Seattle, Washington, U.S.A.,	June to August, 2013
Avionics engineer	Korean Air , Seoul, South Korea	January 2004 to March 2006

References

Max Welling	Informatics Institute, University of Amsterdam m.welling@uva.nl
Maneesh Sahani	Gatsby Unit, University College London maneesh@gatsby.ucl.ac.uk
Jonathan Pillow	Neuroscience Institute, Princeton University pillow@princeton.edu
Kamalika Chaudhuri	Computer Science and Engineering, University of California, San Diego kamalika@cs.ucsd.edu