

Mohammad Emtiyaz Khan

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Education	University of British Columbia (UBC)	Sep. 2006 - Dec. 2012
	PhD, Computer Science	Vancouver, Canada
	Research Area	Machine learning and statistics
	Thesis topic	Variational learning for discrete-data latent Gaussian models
	Supervisor	Kevin Patrick Murphy
	Committee	Arnaud Doucet (Oxford), Nando D. Freitas (Oxford)
	Examiners	David Blei (Columbia), Michael Friedlander (UBC), Alexandre Bouchard-Côté (UBC), Nando D. Freitas (Oxford)
	Indian Institute of Science (IISc)	Jan. 2002 - June 2004
	M.Sc. Electrical Communication	Bangalore, India
	Research area	Statistical signal processing
	Thesis topic	Probabilistic models for brain-computer interfaces
	G.S. Institute of Technology & Science	Aug. 1997 - Dec. 2001
	B.E. Electronics & Instrumentation	Indore, India

Research and Teaching Experience	RIKEN Center for AI Project	Oct. 2016 – present
	Team Leader	Tokyo, Japan
	Okinawa Institute of Science and Tech.	May. 2021 – present
	External Professor	Tokyo, Japan
	Tokyo University of Agriculture and Tech.	Apr. 2018 – Mar. 2021
	Visiting Professor	Tokyo, Japan
	Waseda University	Apr. 2018 – Dec 2018
	Part-Time Lecturer	Tokyo, Japan
	University of Tokyo	Mar. 2015 – May 2015
	Visiting Scientist	Tokyo, Japan
École Polytechnique Fédérale de Lausanne	Jan. 2015 – Sep. 2016	
Scientific Collaborator	Lausanne, Switzerland	
École Polytechnique Fédérale de Lausanne	Nov. 2012 – Dec. 2014	
Post-Doctoral Fellow	Lausanne, Switzerland	
Xerox Research Center Europe	Aug. 2009 – Dec. 2009	
Research Intern	Grenoble, France	
Honeywell Technology Solutions Lab	Aug. 2004 – Aug. 2006	
Senior Engineer	Bangalore, India	

Selected Works and Publications	M.E. Khan and S. Swaroop	NeurIPS, 2021
	<i>Knowledge-Adaptation Priors</i>	
	P. Chang, V. Adam, M.E. Khan , A. Solin	NeurIPS, 2021
	<i>Dual Parameterization of Sparse Variational Gaussian Processes</i>	

- A. Jain, P.K. Srijith, **M.E. Khan** UAI, 2021
Subset-of-Data Variational Inference for Deep Gaussian-Process Regression
- A. Immer, M. Bauer, V. Fortuin, G. Ratsch, **M.E. Khan** ICML, 2021
Scalable Marginal Likelihood Estimation for Model Selection in Deep Learning
- W. Lin, F. Nielsen, **M.E. Khan**, M. Schmidt ICML, 2021
Tractable structured natural gradient descent using local parameterizations
- Pan, Swaroop, Immer, Eschenhagen, Turner, **Khan** NeurIPS, 2020
Continual Deep Learning by Functional Regularisation of Memorable Past
- P. E. Chang, W. J. Wilkinson, **M.E. Khan**, A. Solin MLSP, 2020
Fast Variational Learning in State-Space Gaussian Process Models
- With N. Tomasev and many others... Nature Communications, 2020
AI for Social Good: Unlocking the Opportunity for Positive Impact
- X. Meng, R. Bachmann, **M.E. Khan** ICML, 2020
Training Binary Neural Networks using the Bayesian Learning Rule
- W. Lin, M. Schmidt, **M.E. Khan** ICML, 2020
Handling the Positive-Definite Constraint in the Bayesian Learning Rule
- V. Tangkaratt, B. Han, **M.E. Khan**, M. Sugiyama ICML, 2020
VILD: Variational Imitation Learning with Diverse-quality Demonstrations
- C. Li, **M.E. Khan**, Z. Sun, G. Niu, B. Han, S. Xie, Q. Zhao AAAI, 2020
Exact Recovery of Low-rank Tensor Decomposition under Reshuffling
- Osawa, Swaroop, Jain, Eschehagen, Turner, Yokota, **Khan** NeurIPS, 2019
Practical Deep Learning with Bayesian Principles
- M. E. Khan**, A. Immer, E. Abedi, M. Korzepa NeurIPS, 2019
Approximate Inference Turns Deep Networks into Gaussian Processes
- B. Chérief-Abdellatif, Pierre Alquier, **M. E. Khan** ACML, 2019
A Generalization Bound for Online Variational Inference (Best paper Award)
- W. Lin, **M. E. Khan**, M. Schmidt ICML, 2019
Fast and Simple Natural-Gradient Variational Inference with Mixture of Exponential-family Approximations
- J. Shi, **M. E. Khan**, J. Zhu ICML, 2019
Scalable Training of Inference Networks for Gaussian-Process Models
- S. Parisi, V. Tangkaratt, J. Peters, **M. E. Khan** Machine Learning Journal, 2019
TD-Regularized Actor-Critic Methods
- A. Mishkin, F. Kunstner, D. Nielsen, M. Schmidt, **M. E. Khan** NeurIPS, 2018
SLANG: Fast Structured Covariance Approximations for Bayesian Deep Learning with Natural Gradient
- M. E. Khan**, D. Nielsen ISITA, 2018
Fast yet Simple Natural-Gradient Descent for Variational Inference in Complex Models
- M. E. Khan**, D. Nielsen, V. Tangkaratt, W. Lin, Y. Gal, A. Srivastava ICML, 2018
Fast and Scalable Bayesian Deep Learning by Weight-Perturbation in Adam
- W. Lin, N. Hubacher, **M. E. Khan** ICLR, 2018

Variational Message Passing with Structured Inference Networks

- H. Ding, **M. E. Khan**, I. sato, M. Sugiyama AI-Stats, 2018
Bayesian Nonparametric Poisson-Process Allocation for Time-Sequence Modeling
- M. E. Khan**, W. Lin AISTATS, 2017
Conjugate-Computation Variational Inference : Converting Variational Inference in Non-Conjugate Models to Inferences in Conjugate Models
- P. Rastogi, **M. E. Khan**, M. Anderson Building Simulations 2017
Gaussian-Process-Based Emulators for Building Performance Simulation
- Olejnik, Petrocelli, Machado, Huguenin, **Khan**, Hubaux IEEE S&P, 2017
SmarPer: Context-Aware and Automatic Runtime-Permissions for Mobile Devices
- M. E. Khan**, R. Babanezhad, W. Lin, M. Schmidt, M. Sugiyama UAI, 2016
Faster Stochastic Variational Inference using Proximal-Gradient Methods with General Divergence Functions
- V. Etter, **M. E. Khan**, P. Thiran, M. Grossglauser DASA, 2016
Online collaborative prediction of regional vote outcomes.
- M. E. Khan**, P. Baque, F. Fleuret, P. Fua NIPS 2015
Kullback-Leibler Proximal Variational Inference
- M. E. Khan** NIPS 2014
Decoupled variational inference
- Y. Ko, **M. E. Khan** ACML 2014
Variational Gaussian inference for bilinear models of count data (oral)
- M. E. Khan**, Y. Ko, M. Seeger AISTATS 2014
Scalable collaborative Bayesian preference learning (oral)
- M. E. Khan**, A. Aravkin, M. Friedlander, M. Seeger ICML 2013
Fast dual variational inference for non-conjugate latent Gaussian models
- M. E. Khan** PhD thesis, 2012
Variational learning for discrete-data latent Gaussian models.
- M. E. Khan**, S. Mohamed, K. Murphy NIPS 2012
Fast Bayesian inference for non-conjugate Gaussian process
- M. E. Khan**, S. Mohamed, K. Murphy ISBA 2012
Large-scale approximate Bayesian inference for exponential family latent Gaussian models
- M. E. Khan**, S. Mohamed, B. Marlin, K. Murphy AISTATS 2012
A stick breaking likelihood for categorical data analysis with latent Gaussian models
- B. Marlin, **M. E. Khan**, K. Murphy ICML 2011
Piecewise bounds for estimating Bernoulli-Logistic latent Gaussian models (oral)
- M. E. Khan**, B. Marlin, G. Bouchard, K. Murphy NIPS 2010
Variational bounds for mixed-data factor analysis
- B. Mogaddham, B. Marlin, **M. E. Khan**, K. Murphy NIPS 2009
Accelerating Bayesian structural inference for non-decomposable Gaussian graphical model
- M. E. Khan** and D. N. Dutt IEEE Transactions on Biomedical Engineering, 2007
An expectation-maximization algorithm based Kalman smoother approach for event-related

desynchronization (ERD) estimation from EEG

M. E. Khan and D. N. Dutt

EUSIPCO 2004

An EM algorithm for instantaneous frequency estimation with Kalman smoother

M. E. Khan and D. N. Dutt

EURASIP conference BIOSIGNAL 2004

Estimation of ERS/ERD with Kalman Smoother: An EM Algorithm Approach

Research Grants

- We received a CREST-ANR grant (Japan-France joint call) of approximately USD 2.76 million for a 5.5 yr. project (2021-2026) on “A new Bayes-duality principle for adaptive, robust, and lifelong learning of AI”. I serve as the research director on the Japan side which receives JPY 249,300,000 (USD 2.23 million).
- I received a Grant-in-Aid for Scientific Research (Kakenhi) Project, Category B of JPY16,790,000 (equivalent to around EUR 133,500 or USD 158,000) for FY 2020-2023 on “Life-Long Deep Learning using Bayesian Principles”.
- Our project secured CHF 620,000 under Swiss-Korea EUREKA initiative on the project titled “DomoHyo : a neurological disease monitoring service for healthcare professionals”. I was involved in the grant proposal as the main machine-learning expert. The project was a joint-collaboration between teams from Domosafety S.A. (Lausanne) and CHUV (Lausanne), and EPFL. Our lab in EPFL obtained half of the total amount (around CHF 250,000). This project is currently running from 2015 to 2018 to develop a service targeted at monitoring patients with neurological disorders in their own homes. Since I moved to Tokyo in 2016, I am no longer involved in this project.

Teaching and Supervision

- Offered a course on “The Foundations of Machine Learning” at OIST from May, 2022.
- Tutorial at ACML2021 on “Machine-Learning from Bayesian Perspective” on Nov 9, 2021.
- A lecture on “Deep Learning with Bayesian Principles” at SMILES summer school in Skoltech University on August 17, 2020.
- A lecture on “Fundamentals of ML” at TUAT on Jan 30, 2019.
- A lecture on “Bayesian deep learning” at the Uni. of Tokyo on June 12, 2019.
- A 2 day tutorial on “Approximate Bayesian Inference” at the Data Science Summer School in ENSAE, Paris on 28-29 June, 2018.
- A lecture on “Bayesian Deep Learning” in University of Tokyo in June, 2018.
- 2 lectures course on “Approximate Bayesian Inference” in Waseda University in June, 2018.
- Offered a course on “The Fundamentals of Machine Learning” in Waseda University in April, 2018 (a total of 8 lectures).
- A lecture on “Approximate Bayesian Inference” at the University of Tokyo on April 19, 2017.
- A lecture on “The Fundamentals of Machine Learning” at the University of Tokyo on Jan. 20, 2017.
- A short course on “The Fundamentals of Machine Learning” at ETH, Zurich on Aug. 25, 2015. More than 200 students registered and around 130 attended. The event was organized by the group “ML-meetup” from ETH Zurich.
- The graduate course on “Pattern Classification and Machine Learning” (CS-433) at EPFL during Fall 2014 and Fall 2015.
 - In 2015, 189 students registered for the course. I received the best teacher award and a teaching prize of CHF 4000 for my teaching efforts.

- In 2014, 176 Master and 16 PhD students registered for the course. I received a teaching prize of CHF 4000, and student ratings with median 5 out of 6.
- It was a 7 credit course with a total 6 hours every week for 14 weeks.
- Assessment was based on multiple assignments, 2 projects, and an exam.
- I made extensive use of in-class polling tools for instruction.
- My course notes were used in the EPFL course taught by Prof. Martin Jaggi and Prof. Rudiger Ubanke from 2016 onwards (last time checked in 2022).
- I was a guest lecturer for CS-433 in 2013 and 2014. I was assisting Prof. M. Seeger.
- I was a teaching assistant for the following course at computer science, UBC: Machine Learning (CPSC540), Computer vision (CPSC425), Models of Computation (CPSC121), Introduction to Computation (APSC160).
- I organized refresher courses for the new students in computer science (UBC).
- I have attended two workshops on teaching: “Instructional Skills Workshop” at UBC in 2012, “University Teaching Workshop” at EPFL in 2015.

**External
Thesis
Examination**

- Thesis reviewer and examiner for Mariia Vladimirova’s PhD defense at INRIA (Grenoble, France) on Mar 22, 2022
- Thesis reviewer and examiner for Matthew Wicker’s PhD viva at Oxford University on Nov 23, 2021
- Thesis pre-examiner for Toni Karvonen’s thesis at Aalto University in 2019
- Thesis reviewer for Quoc Phong Nguyen’s thesis at NUS in 2018

Supervision

- Current Team Members
 - Dr. Pierre Alquier (Research scientist, since Aug 2019).
 - Dr. Thomas Möllenhoff (Post-Doc, since Aug 2020).
 - Dr. Gian-Maria Marconi (Post-Doc, since Aug 2020).
 - Dr. Lu Xu (Post-Doc, since Nov 2021).
 - Dr. Jooyeon Kim (Post-Doc, since Dec 2021).
 - Dr. Geoffrey Wolfer (Post-Doc, since Mar 2022).
 - Dr. Happy Buzaaba (Post-Doc, since June 2022).
 - Dr. Hugo Daniel Monson Maldonado (Post-Doc, since June 2022).
 - Wu Lin (PhD student at UBC co-supervised with Prof. Mark Schmidt).
 - Peter Nickl (Research assistant, since May 2021).
- Current Internship/rotation students:
 - Kenneth Chen (from UCLA, at OIST, June-Aug 2022)
 - Ali Unlu (at OIST, Apr-Aug 2022)
- Current Remote collaboration with students:
 - Ang Ming Liang (from NUS, at OIST, July-Dec 2022, supervisor: Wee-Sun Lee)
 - Paul Chang (from UAalto, Mar. 2021-, supervisor: Arno Solin)
 - Dharmesh Tailor (from UvA, Oct. 2021-, supervisor: Erik Nalisnick)
 - Siddharth Swaroop (from UCambridge, Nov. 2018-, supervisor: Rich Turner, planned as Internation Program Associated, but changed to an unofficial collaboration due to Covid)

- Erik Daxberger (from UCambridge, Jun. 2020-, supervisor: Miguel Hernandez Lobato, originally accepted as intern, but changed to an unofficial collaboration due to Covid)
- Alexander Piche (from MILA, Sep. 2020-, supervisor: Chris Pal, originally accepted as intern, but changed to an unofficial collaboration due to Covid)
- Past Team Members
 - Happy Buzaaba (Part-Time Student from Tsukuba University, July 2020-Mar 2022).
 - Dharmesh Tailor (Research assistant, May 2019-Aug 2021).
 - Fariz Ikhwantari (Part-Time Student from TokyoTech, August 2020-Mar 2021).
 - Dr. Xiangming Meng (Post-Doc, June 2019-March 2020).
 - Vincent Tan (Research assistant, May 2019-Jan 2020).
 - Dr. Hongyi Ding (Post-Doc, June 2019-Jan 2020).
 - Dr. Parag Rastogi (Visiting scientist, April 2017-March 2019).
 - Didrik Nielsen (Research assistant, March 2017-August 2018).
 - Nicolas Hubacher (Research assistant, Jan 2017-Dec 2017).
 - Si Kai Lee (Research assistant, Nov 2017-Aug 2018).
- Past Internship/rotation students:
 - David Tomàs Cuesta (Jan 2022-Apr 2022, Rotation PhD student from OIST).
 - Tojo Rakotoaritina (Jan 2022-Apr 2022, Rotation PhD student from OIST)
 - Ted Tinker (Visiting PhD student, Sep-Dec 2021).
 - Evgenii Egorov (Jun 2020-May 2021, Remote collaborator, originally accepted as intern, but changed to an unofficial collaboration due to Covid).
 - Dimitri Meunier (May 2020-Nov 2020, Remote collaborator, originally accepted as intern, but changed to an unofficial collaboration due to Covid).
 - Maciej Korzepa (Feb-Dec 2019, PhD intern from DTU, Copenhagen).
 - Alexander Immer (Mar 2019 to Mar 2020, MSc intern from EPFL, Switzerland).
 - Anshuk Uppal (June-Dec 2019, MSc Intern from IIIT Bangalore, India).
 - Michael Przystupa (July-Dec 2019, Intern from UBC Vancouver).
 - Roman Bachmann (July 2019-Feb 2020, MSc Intern from EPFL, Switzerland).
 - Lucie Perrota (Sep 2019-Feb 2020, MSc Intern from EPFL, Switzerland).
 - Farzaneh Mahdisoltani (Sep 2019-Feb 2020, PhD Intern from UofT, Canada).
 - Pingbo Pan (May-Sep 2019, PhD Intern from UT Sydney, Australia).
 - Ehsan Abedi (MSc intern from EPFL, Switzerland, Mar-Aug 2019).
 - Benjamin Bray (May-Aug 2019, PhD Intern from Georgia Tech, USA).
 - Pierre Orenstein (May-Sep 2019, MSc Intern from ENS-Cachan, France).
 - Mark Goldstein (June-Sep 2019, PhD Intern from NYU, USA).
 - Anand Subramanian (Part-time student from JAIST, Japan, Feb-May 2019).
 - Anirudh Jain (MSc intern from ISM, Dhanbad, India, Dec 2018-Aug 2019).
 - Runa Eschenhagen (Undergraduate intern from University of Strathclyde, Oct 2018-May 2019).
 - Jiaxin Shi (PhD intern from Tsinghua University, China, July-Sep. 2018).
 - Ohiremen Dibua (PhD intern from Stanford University, USA, July-Sep. 2018).
 - Frederik Kunster (MSc intern from EPFL, Switzerland, Feb-Aug. 2018).
 - Aaron Mishkin (Undergraduate intern from UBC, Canada, Jan-June, 2018).

- Hanna Tseran (MSc intern from UTokyo, Japan, Nov-2017 to June 2018).
- Zuozhu Liu (PhD intern from SUTD, Singapore, July-Dec. 2017).
- Salma El Aloui (Master thesis from Ecole Polytechnique, July-Oct. 2017).
- Vaden Masrani (Master intern from UBC, Vancouver, Canada, May-Oct. 2017).
- Kimia Nadjahi (Master thesis from ENS Cachan, France, May-Sep. 2017).
- Arnaud Robert (Master thesis from EPFL, Oct. 2016 to Apr. 2017).
- Student Projects in EPFL:
 - Hubacher Nicholas Daniel (Master thesis, Feb.-Aug. 2016).
 - Arnaud Robert (Master project, Feb.-Aug. 2016).
 - Thibaut Loiseleur (Master project, Feb.-Aug. 2016).
 - Mattia Carpin (Master thesis, Feb.-Aug. 2015 with Prof. B. Rimoldi).
 - Marc Bourqui (Master project, Feb.-Aug. 2015).
 - Nezihe Merve Gurel (Master project, Feb.-Aug. 2015).
 - Wu Lin (Mentee for Google-summer-of-code along with Dr. Heiko Strathmann from Gatsby Neuroscient Unit at London in 2014).
 - Young-Jun Ko (PhD co-supervised with Prof. M. Grossglauser and Prof. M. Seeger, finished 2017)
 - Otilia Stretcu (Summer Intern, 2013).

Awards and Achievements

- Our group won first prize (USD 3000) at the NeurIPS 2021 competition on “Approximate Inference in Bayesian Deep Learning”. I received a Letter of Appreciation from president of RIKEN.
- Invited to give a tutorial at NeurIPS 2019 on “Deep Learning with Bayesian Principles”. This was among 9 other tutorials that year, and was one of the most popular and well-attended tutorials (total attendance at NeurIPS was around 13,000 that year).
- Best paper award at ACML 2019 for the paper “A Generalization Bound for Online Variational Inference” coauthored with B. Chérif-Abdellatif and P. Alquier.
- I received a teaching award in 2015 at IC, EPFL. I also received two teaching prizes (total worth CHF 8000) during 2014-2015.
- I received a graduate teaching assistant award in 2009 at UBC.
- I received a student service award in 2008 at UBC for starting the “undistinguished lecture series (UDLS)”. The series is successfully running for last 8 years.
- Secured All-India Rank of 49 in Graduate Aptitude Test in Engineering (GATE), 2001.

Service to the Community

- Senior Area Chair for NeurIPS 2022.
- Program chair for ACML 2022.
- Senior Area Chair for ICLR 2022.
- Workshop co-chair for ACML 2021.
- Senior Area Chair for NeurIPS 2021.
- Co-organized “Well-Being in ML” sessions at Neurips 2021.
- Meet co-chair for NeurIPS 2021.
- Mentorship chair for AISTats 2021.
- Co-founder of the Mentorship portal MeMentor (used at NeurIPS 2020).
- Action editor for Journal of Machine Learning Research (JMLR) from Nov. 2016.
- Equity, Diversity and Inclusion Chair for ICLR 2021.

- Meetup Chair for NeurIPS 2020.
- Workshop Chair for ICML 2020.
- Senior Area Chair for IJCAI-PRECAI 2020.
- Area Chair for ICML 2021, Aistats 2021, ICLR 2020, NeurIPS 2019, ACML 2019, ICML 2019, ICLR 2019, NeurIPS 2018, ACML 2018, ICML 2018, NIPS 2017, and NIPS 2015.
- Tutorials Chair for ACML 2019.
- Organized a half-day “PreAISTATS ML Seminar at RIKEN AIP” on April 15, 2019.
- Organized IIT-Hyderabad and RIKEN-AIP Joint Workshop on ML and Applications in Hyderabad, India on March 15-16, 2019.
- Organized Dagstuhl Seminar on “AI for Social Good” in Feb 2019. Attended by 23 participants, half were from ML/AI and the other half were from NGOs.
- Served as a reviewer for many conferences and journals: NeurIPS-2020 workshops, Nature Communications (1), NeurIPS-Workshops-2020, AI-stats 2020, UAI-2019, IJCAI-2019, ICASSP-2018, UAI-2018, ICLR-2018, AAAI-2018, ICML-2017, UAI-2017, ICML-2016, AI-Stats-2016, ICML-2015, IJCAI-2015, NIPS-2014, NIPS-2013, JMLR, Bayesian analysis, Transactions of Neural Networks, Journal of Machine Learning (JMLR), Neural Computation, Transaction on Pattern Analysis and Machine Intelligence (TPAMI), IEEE Transaction of Signal Processing, Medical and Biological Engineering and Computing (MBEC).
- Member of the committee for the “data-science initiative” at EPFL. I helped the committee with the curriculum-design of the Data-Science Masters program scheduled to be launched in 2017.
- Mentor at Google Summer of Code, 2014 for Shogun Machine learning Toolbox.
- Vice-President for Computer Science Graduate Students Association at UBC in 2007.
- Started the “Undistinguished lecture series” in Computer Science, UBC in 2007. The series is successfully running for 8 years.

Selected Presentations

- (18 Jul, 2022) Invited speaker at the 41st Maximum Entropy conference, 2022
- (Dec 14, 2021) Invited talk at the NeurIPs 2021 Bayesian Deep Learning Workshop.
- (Aug 15, 2021) Invited talk at KDD Workshop on Model Mining on “K-priors: A General Principle of Adaptation”.
- (Jul 23, 2021) Invited talk at ICML Workshop on Theory & Foundations of Continual Learning on “K-priors: A General Principle of Adaptation”.
- (Jul 20, 2020) Invited to give a tutorial at SPCOM 2020 on “Deep Learning with Bayesian Principles”.
- (Dec 9, 2019) Tutorial at NeurIPS 2019 on “Deep Learning with Bayesian Principles”. This was among 9 other tutorials that year, and was one of the most popular and well-attended tutorials (total attendance at NeurIPS was around 13,000 that year).
- (Mar 5, 2019) Invited Talk at “Conference on Algorithms, Optimization and Learning in Dynamics Environments” in Hanoi, Vietnam.
- (Feb 15, 2019) Invited talk at the conference on theoretical foundations of machine learning (TFML) in Krakow, Poland.
- (Dec 2, 2018) Invited talk at Advances in Approximate Bayesian Inference Symposium colocated in Montreal with NeurIPS.
- (Sep 29, 2018) Invited talk/paper presentation at ISITA 2018.
- (Sep 20, 2018) Invited talk at the workshop on “AI meets Life-Science”, Karolinska Institutet.

- (Feb, 2017) Invited talk at the 2017 Probabilistic Graphical Model Workshop, Tokyo.

Other Presentations

- (27 Jun, 2022) Princeton AI club
- (05 Jun, 2022) EcoSta 2022, Kyoto
- (28 Apr, 2022) IST Lisbon, MPML seminar series
- (13 Apr, 2022) EPFL CIS - RIKEN AIP Joint Seminar Series
- (24 Mar, 2022) Talk at MLT init
- (16 Mar, 2022) Cambridge CBL Reading Group
- (11 Mar, 2022) DeepMind/ELLIS CSML Seminar Series at UCL
- (1 Mar, 2022) ATR-AIP Joint Seminar on Neuroscience-Inspired AI
- (22 Feb, 2022) AI4Sec Seminar Series at Huawei Research Munich
- (Feb 17, 2022) StatML CDT seminar at Imperial College London and University of Oxford
- (13 Dec, 2021) Invited panelist at the NeurIPs 2021 "I can't believe it's not better" workshop
- (Sep 21, 2021) Tubingen AI Center, "Bayes for learning-machines"
- (Sep 16, 2021) Secondmind.ai, "Bayes for learning-machines"
- (Sep 16, 2021) Durham CDT data science workshop "Bayes for learning-machines"
- (Feb 9, 2021) ML for soft matter "Bayes for learning-machines"
- (Dec 21, 2020) CMStatistics Conference "Bayes for learning-machines"
- (Nov 17, 2020) Cosy Seminars, Uppsala University "Bayes for Learning Machines"
- (Nov 5, 2020) TU Darmstadt "Bayes for Learning Machines"
- (Nov 3, 2020) Waterloo AI Institute "Bayes for Learning Machines"
- (Dec 16, 2019) CAIDA, UBC
- (Nov 18, 2019) Stats and Data Science Workshop, KAUST
- (Nov 12-15, 2019) Conference on Data Science, Fields institute, Toronto
- (Oct 01, 2019) Talk at Neurotechnology and AI, 2019 at RIKEN-AIP
- (Sep 23, 2019) MSR, Cambridge
- (Sep 20, 2019) DeepMind, London
- (Sep 19, 2019) Gatsby/UCL, London
- (Sep 17, 2019) Turing Institute, Edinburgh
- (Sep 16, 2019) Imperial College, London
- (Sep 12, 2019) IC, EPFL
- (Sep 09, 2019) TU, Berlin.
- (Aug 22, 2019) Tokyo Tech. Workshop
- (Jul 29, 2019) Talk at Discrete Optimization Workshop at RIKEN, AIP Tokyo
- (Jun 2, 2018) Talk at PEAR-AIP Workshop, Taiwan
- (Nov 19, 2018) Talk at IIT Mumbai, India
- (Nov 5, 2018) Talk at IIIT Bangalore, India
- (Nov 2, 2018) Talk at IISc Bangalore, India
- (Nov 1, 2018) Talk at SUTD Singapore
- (Sep 23, 2018) Invited talk at RIKEN-NUS Workshop, Singapore
- (July 18, 2018) The conference on Discrete Optimization and Machine Learning

- (July 18, 2018) DeepMind (London)
- (July 17, 2018) Oxford University (Invited by Prof. Arnaud Doucet)
- (July 16, 2018) Cambridge University (Invited by Prof. Richard Turner)
- (July 12, 2018) International Conference on Machine Learning (ICML)
- (July 5, 2018) TU, Berlin (Invited by Prof. Klaus-Robert Muller)
- (July 2, 2018) DTU, Copenhagen (Visiting Prof. Ole Winther)
- (June 2, 2018) ENSAE, Paris (Invited by Prof. Pierre Alquier)
- (Mar 8, 2018) UBC in Canada (Visiting Prof. Mark Schmidt)
- (Mar 19, 2018) Talk at Tokyo Deep Learning Workshop, Japan
- (Mar 8, 2018) IIT Hyderabad, India (Invited by Prof. Srijith P.K.)
- (Aug-2017) ERATO (Season IV) in Tokyo
- (July-2017) Advanced Telecommunication Research, Kyoto
- (Jan-2017) Talk at ERATO (Season III) in Tokyo
- (July-2016) Department of Computer Science, University of British Columbia
- (July-2016) Department of Computer Science, Columbia University
- (Apr-2016) Advanced Telecommunication Lab, Kyoto
- (Mar-2016) Gatsby Neuroscience Unit, UCL, London
- (Mar-2016) School of Informatics, University of Edinburgh, Edinburgh
- (Oct-2015) Amazon, Berlin
- (Oct-2015) Technische Universität, Berlin
- (Sep-2015) Theory seminar at Computer Science, EPFL
- (Sep-2015) Department of Computer Science, University of Freiburg
- (Sep-2015) Norwegian University of Science and Technology (NTNU)
- (Apr-2015) University of Tokyo at Masashi Sugiyama's lab
- (Oct-2014) Invited talk at the E-cardiology conference in Bern
- (Aug-2014) Tokyo Institute of Technology and Science (Masashi Sugiyama's lab)
- (Apr-2014) Paper presentation in AI-Stats at Reykjavik, Iceland
- (Apr-2014) Statistics Department, University of Iceland
- (Sep-2013) Invited talk at the Latent Gaussian Model workshop in Iceland
- (Dec-2013) Computer Science Department at Columbia University in NY (USA)
- (Sep-2013) Norwegian University of Science and Technology NTNU (Norway)
- (Mar-2012) Xerox Research Center Europe at Grenoble (France)
- (Mar-2012) INRIA-SIERRA at Paris (France) at Francis Bach's lab
- (2011) Microsoft Research at Redmond (USA)
- (2011) Paper presentation in ICML at Redmond (USA)