CURRICULUM VITAE

Le Song

CTO & Chief AI Scientist, BioMap

Professor, Department of Machine Learning, Mohamed bin Zayed University of AI, UAE

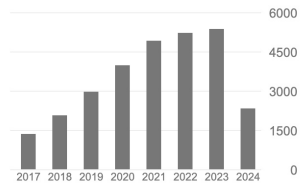Board Member, Program Chair 2022, ICML

Google Scholar: https://scholar.google.com/citations?user=Xl4E0CsAAAAJ&hl=en

Le Song

Biomap, Mohamed bin Zayed University of Artificial Intelligence
Verified email at biomap.com - Homepage
Machine Learning

FOLLOW

TITLE	CITED BY	YEAR
Sphereface: Deep hypersphere embedding for face recognition W Liu, Y Wen, Z Yu, M Li, B Raj, L Song Proceedings of the IEEE conference on computer vision and pattern …	3308	2017
Learning combinatorial optimization algorithms over graphs E Khalil, H Dai, Y Zhang, B Dilkina, L Song Advances in neural information processing systems 30	1623	2017
A kernel statistical test of independence A Gretton, K Fukumizu, C Teo, L Song, B Schölkopf, A Smola Advances in neural information processing systems 20	1019	2007
A Hilbert space embedding for distributions A Smola, A Gretton, L Song, B Schölkopf International conference on algorithmic learning theory, 13-31	1007	2007
Adversarial attack on graph structured data H Dai, H Li, T Tian, X Huang, L Wang, J Zhu, L Song International conference on machine learning, 1115-1124	798	2018
Discriminative embeddings of latent variable models for structured data H Dai, B Dai, L Song International conference on machine learning, 2702-2711	793	2016
Recurrent marked temporal point processes: Embedding event history to vector N Du, H Dai, R Trivedi, U Upadhyay, M Gomez-Rodriguez, L Song Proceedings of the 22nd ACM SIGKDD international conference on knowledge …	721	2016
GRAM: graph-based attention model for healthcare representation learning E Choi, MT Bahadori, L Song, WF Stewart, J Sun	707	2017

Cited by — VIEW ALL

	All	Since 2019
Citations	32724	24851
h-index	84	72
i10-index	213	191

Chart showing citations per year from 2017 to 2024, with values ranging up to 6000.

2017 2018 2019 2020 2021 2022 2023 2024

Public access — VIEW ALL

1 article	117 articles
not available	available

Based on funding mandates

Co-authors — VIEW ALL

Alex Smola — Boson AI

Arthur Gretton — Gatsby Computational Neuroscie…

CONTENTS

1 EDUCATION

1. 2008 – 2011 *Postdoctoral Fellow*
   Carnegie Mellon University (CMU), U.S.A
   Advisor: Eric Xing and Carlos Guestrin

2. 2004 – 2008 *Ph.D. in Computer Science*
   University of Sydney and National ICT Australia, Australia
   Advisor: Alex Smola

3. 2002 – 2004 *M.Sc. in Computer Science*
   University of Sydney, Australia
   Advisor: Masahiro Takatsuka and Peter Eades

4. 1998 – 2002 *B.S. in Computer Science*
   South China University of Technology, China

2 ACADEMIC POSITIONS

1. 2021.1 – present, *Professor*
   Machine Learning Department, Mohamed bin Zayed University of AI, UAE

2. 2017.2 – 2021.1, *Associate Professor*
   CSE, College of Computing, Georgia Institute of Technology, USA

3. 2016.9 – 2021.1, *Associate Director*
   Center for Machine Learning, Georgia Institute of Technology, USA

4. 2011.8 – 2017.2, *Assistant Professor*
   CSE, College of Computing, Georgia Institute of Technology, USA

5. 2011.3 – 2011.8, *Research Scientist*
   Google Research, USA

6. 2008.1 – 2008.6, *Visiting Researcher*
   Statistical Machine Learning, National ICT Australia, Australia

3 INDUSTRIAL POSITIONS

1. 2021.8 – present, *CTO & Chief AI Scientist*, BioMap

2. 2017.6 – 2020.10, *Sr. Director of AI and Principal Engineer* (P10), Ant Financial

3. 2017.1–2017.6, Consultant, Amazon

4. 2016.1–2016.12, Consultant, Homedepot

5. 2014.1–2016.12, Consultant, TrustVesta

6. 2011.1–2012.12, Consultant, Microsoft

4 HONOR AND AWARDS

1. 2017 **Best Paper Award**, NIPS Workshop on Machine Learning for Molecules and Materials

2. 2016 **Best Paper Award**, ACM Conference on Recommendation System (Recsys) Workshop on Deep Learning for Recommendation System

3. 2016 **Best Student Paper Award**, Artificial Intelligence and Statistics (AISTATS)

4. 2015 **Best Paper Award**, IEEE International Parallel & Distributed Processing Symposium (IPDPS)

5. 2014 National Science Foundation **CAREER Award**

6. 2014 Outstanding Junior Faculty Research Award, College of Computing, Georgia Institute of Technology

7. 2014 Lockheed Martin Inspirational Young Faculty Award, College of Computing, Georgia Institute of Technology

8. 2013 **Best Paper Award**, Neural Information Processing Systems (NIPS)

9. 2013 Raytheon Faculty Fellowship, College of Computing, Georgia Institute of Technology

10. 2013 **Best Paper Award**, NIPS Workshop on Frontiers of Network Analysis: Methods, Models and Applications

11. 2010 **Best Paper Award**, International Conference on Machine Learning (ICML)

12. 2008 – 2011 Lane Fellowship, School of Computer Science, Carnegie Mellon University

13. 2004 First Student Prize, IEEE Information Visualization Contest

14. 2001 Meritorious, SIAM International Mathematical Contest in Modeling for Undergraduates

15. 2001 First Prize, Chinese National Mathematical Contest in Modeling for Undergraduates

5 RESEARCH FUNDING ($16,000,000 IN TOTAL)

1. 2020 – 2024 ONR MURI: Informatics-Driven Design of Resilient and Depolymerizable Polymers. **$2,400,000**. Co-PI. Collaborators: Rampi Ramprasad, Blair Brettmann, M.G. Finn, Will Gutekunst, Jerry Qi. Le Song's share: 1/6

2. 2019 – 2022 NSF CDS&E-1900017 D3SC: Accelerating Density Functional Theory Based Simulations and Materials Design with Machine Learning. **$500,000**. Co-PI. Collaborator: Rampi Ramprasad. Le Song's share: 50%

3. 2019 – 2022 DARPA LwLL Subaward from UPenn: FLASH:Fast Learning via Auxiliary signals, Structured knowledge, and Human expertise. **$1,116,000**. Co-PI. Collaborators: Dan Roth, Chris Callison-Burch, Mayur Naik, Irfan Essa, Zsolt Kira. Le Song's share: 1/6

4. 2019 – 2022 NSF CCF-1836936 FMitF: Collaborative Research: Synergies between Program Synthesis and Neural Learning of Graph Structures. **$900,000**. Co-PI. Collaborator: Mayur Naik. Le Song's share: 50%

5. 2018 – 2020: NSF IIS-1841351: EAGER: A Framework for Learning Graph Algorithms with Applications to Social and Gene Networks. **$ 300,000**. PI. Collaborator: Srinivas Aluru. Le Song's share: 50%

6. 2019 – 2020 DARPA: ASEAD Subaward from UC Berkeley: Learning To Automate Social Engineering Resistance (LASER). **$177,000**. PI.

7. 2018 – 2020 Siemens: Dynamic Knowledge Graph. **$225,000**. PI.

8. 2017 – 2021 NSF SaTC-1704701: Understanding and Fortifying Machine Learning Based Security Analytics. **$1,200,000**. Co-PI. Collaborators: Wenke Lee, Taesoo Kim, Polo Chau. Le Song's share: 25%

9. 2016 – 2019 Intel: MLsploit: A Framework for Evaluating and Fortifying ML-Based Security Analytics. **$1,500,000**. Co-PI. Collaborators: Wenke Lee, Taesoo Kim, Polo Chau. Le Song's share: 25%

10. 2016 – 2018 NSF IIS-1639792 EAGER: Asynchronous Event Models for State-Topology Co-Evolution of Temporal Networks. **$200,000**. PI. Collaborator: Hongyuan Zha. Le Song's share: 50%

11. 2016 Data science platform. **$75,000** from Georgia Tech and 200 server donation from Yahoo Labs, as part of Yahoo Servers to Academic Researchers program. Co-PI. Collaborator: Polo Chau. Le Song's share: 50%

12. 2016 Nvidia Hardware grant. Machine Learning for Materials Structure-Property Linkage. **$3,000**. PI.

13. 2015 – 2018 ONR N00014-15-1-2340: Modeling, Estimation, and Management of High Dimensional Asynchronous Event Data. **$395,000**. PI.

14. 2014 – 2019 NSF CAREER IIS-1350983: New Representations of Probability Distributions to Improve Machine Learning — A Unified Kernel Embedding Framework for Distributions. **$499,000**. PI.

15. 2013 – 2016 NIH BIGDATA 1R01GM108341: Social Behavior Driven Modeling and Optimization of Information Diffusion. **$450,000**. PI. Collaborator: Hongyuan Zha. Le Song's share: 50%

16. 2013 – 2014 Raytheon Faculty Fellowship. **$75,000**. PI. Collaborator: Nina Balcan. Le Song's share: 50%

17. 2013 – 2018 NSF IGERT-CIF21: Computation-Enabled Design and Manufacturing of High Performance Materials. **$2,800,000**. Senior Personnel.

18. 2012 – 2015 NSF IIS1218749: Efficient, Nonparametric and Local-Minimum-Free Latent Variable Models: With Application to Large-Scale Computer Vision and Genomics. **$500,000**. PI. Collaborator: Eric Xing. Le Song's share: 60%

19. 2011 – 2014 US Government: Multi-scale Characterization of Document Themes, Granularity, and Triage. **$450,000**. Co-PI. Collaborator: Haesun Park. Le Song's share: 50%

20. 2010 – 2015 NIH 1R01GM093156: Time/Space-Varying Networks of Molecular Interactions: A New Paradigm for Studying Dynamic Biological Regulation and Pathways. **$2,237,000**. Senior Personnel.

21. 2008 – 2011 Lane Fellowship. **$198,000**. PI.

6 TEACHING

6.1 *Individual Student Guidance*

6.1.1 *Ph.D. Students*

Primary advisor:

1. 2018–2022, Xinshi Chen at Georgia Tech

2. 2017–2022, Binghong Chen at Georgia Tech

3. 2016–2021, Weiyang Liu at Georgia Tech

4. 2014–2019, Hanjun Dai at Georgia Tech (**Graduated**)
   Position: Researcher at Google Brain
   Award: Best Paper at Recyc workshop on deep learning 2016, Best Student Paper at AISTATS 2016, Best Paper at NIPS Workshop on Machine Learning for Molecules and Materials 2017

5. 2015–2018, Yichen Wang at Georgia Tech (**Graduated**)
   Position: Quantitative Researcher at Citadel
   Thesis title: Modeling, prediction and guiding users' temporal behaviors
   Award: IBM Fellowship 2017, Best graduate research assistant 2016, Best Paper at Recyc workshop on deep learning 2016

6. 2013–2018, Bo Dai at Georgia Tech (**Graduated**)
   Position: Researcher at Google Brain, and then Assistant Professor at University of North Carolina at Chapel Hill
   Thesis title: Learning over Functions, Distributions and Dynamics via Stochastic Optimization
   Award: Best Student Paper at AISTATS 2016, Best Paper at NIPS Workshop on Machine Learning for Molecules and Materials, 2017

7. 2012–2017, Bo Xie (with S. Aluru and H. Park) at Georgia Tech (**Graduated**)
   Position: Researcher at Facebook
   Thesis title: Efficient algorithm for nonconvex problems in machine learning
   Award: ARC fellowship 2015

8. 2011–2016, Nan Du at Georgia Tech (**Graduated**)
   Position: Researcher at Google
   Thesis title: Learning, inference and optimization of high dimensional asynchronous event data
   Award: Best Paper at NIPS 2013, Facebook Fellowship 2014, Outstanding Graduate Research Assistant at Georgia Tech 2015, Microsoft Research Asia Outstanding Ph.D. student 2015.

Co-advisor:

1. 2013–2018, Mehrdad Farajtabar (with Hongyuan Zha) at Georgia Tech (**Graduated**)
   Position: Researcher at Google Deepmind

2. 2015–2019, Shuang Li (with Yao Xie at ISYE) at Georgia Tech (**Graduated**)
   Position: Postdoc at Havard
   Award: Best graduate research award ISYE 2016

3. 2014–present, Elias Kahlil (with Bistra Dilkina) at Georgia Tech
   Position: Postdoc at University of Montreal, and then Assistant Professor at University of Toronto
   Award: Best Student Paper at NIPS social network workshop 2013, Marshall D. Williamson Fellowship 2012, Donald V. Jackson Fellowship 2013

4. 2013–2015, Niao He (with Akardi Nemirovski) at Georgia Tech (**Graduated**)
   Position: Assistant Professor at UIUC

5. 2011–2015, Chris Berlind (with Nina Balcan) at Georgia Tech (**Graduated**)
   Thesis title: New theoretical results on active learning
   Position: CTO of Oncora Medical

6. 2012–2014, Yingyu Liang (with Nina Balcan) at Georgia Tech (**Graduated**)
   Position: Postdoc at Princeton University, and then Assistant Professor at University of Wisconsin at Madison

7. 2009–2014, Ankur Parikh (with E. Xing) at CMU (**Graduated**)
   Position: Researcher at Google

8. 2009–2014, Qirong Ho (with E. Xing) at CMU (**Graduated**)
   Position: Scientist at Institute for Infocomm Research, A*STAR, Singapore

9. 2004–2009, Mladen Kolar (with E. Xing) at CMU (**Graduated**)
   Position: Assistant Professor at University of Chicago

6.1.2 *Mentorship of postdoctoral fellows or visiting scholars*

- 2016 – 2017 Yamin Zhang (visiting scholar from Chinese Academy of Science)

- 2011 – 2012 Maria Ishteva (with Haesun Park)

7 RESEARCH COMMUNITY SERVICE

Conference Area Chair or Program Committee

1. Area Chair, International Conference on Learning Representation (ICLR), 2020

2. Area Chair, International Conference on Machine Learning (ICML), 2020

3. Area Chair, Association for the Advancement of Artificial Intelligence conference (AAAI), 2020

4. Area Chair, the Web Conference (WWW), 2020

5. Area Chair, International Conference on Machine Learning (ICML), 2019

6. Area Chair, Artificial Intelligence and Statistics (AISTATS), 2019

7. Senior Program Committee, Association for the Advancement of Artificial Intelligence conference (AAAI), 2019

8. Area Chair, Neural Information Processing Systems (NIPS), 2018

9. Area Chair, International Conference on Machine Learning (ICML), 2018

10. Senior Program Committee, Association for the Advancement of Artificial Intelligence conference (AAAI), 2018

11. Area Chair, Web Search and Data Mining (WSDM), 2018

12. Area Chair, International Joint Conference on Artifical Intelligence (IJCAI), 2017

13. Area Chair, Neural Information Processing Systems (NIPS), 2017

14. Area Chair, International Conference on Machine Learning (ICML), 2017

15. Area Chair, Artificial Intelligence and Statistics (AISTATS), 2017

16. Senior Program Committee, Association for the Advancement of Artificial Intelligence conference (AAAI), 2017

17. Area Chair, International Conference on Machine Learning (ICML), 2016

18. Area Chair, Artificial Intelligence and Statistics (AISTATS), 2016

19. Area Chair, Neural Information Processing Systems (NIPS), 2015

20. Area Chair, Artificial Intelligence and Statistics (AISTATS), 2015

21. Senior Program Committee, International Joint Conference on Artificial Intelligence (IJCAI), 2015

22. Program Committee, AAAI Conference on Artificial Intelligence (AAAI), 2015

23. Program Committee, Web Search and Data Mining (WSDM), 2015

24. Program Committee, Neural Information Processing Systems (NIPS), 2014

25. Program Committee, Uncerntainty on Artificial Intelligence (UAI), 2014

26. Program Committee, Knowledge Discovery and Data Mining (KDD), 2014

27. Area Chair, International Conference on Machine Learning (ICML), 2014

28. Program Committee, Artificial Intelligence and Statistics (AISTATS), 2014

29. Area Chair, Neural Information Processing Systems (NIPS), 2013

30. Program Committee, International Conference on Machine Learning (ICML), 2013

31. Program Committee, Uncerntainty on Artificial Intelligence (UAI), 2013

32. Program Committee, Neural Information Processing Systems (NIPS), 2012

33. Program Committee, International Conference on Machine Learning (ICML), 2012

34. Program Committee, Neural Information Processing Systems (NIPS), 2011

35. Program Committee, International Conference on Machine Learning (ICML), 2011

36. Program Committee, multiple year between 2008–2011
    - Neural Information Processing Systems (NIPS)
    - International Conference on Machine Learning (ICML)
    - Knowledge Discovery and Data Mining (KDD)
    - Research on Computational Biology (RECOMB)
    - International Conference on Intelligent Systems for Molecular Biology (ISMB)
    - International Conference on Data Mining (ICDM)

Journals Reviewer and Editor

1. Journal of Artificial Intelligence Researches (JAIR) (**Action Editor**)

2. Journal of Machine Learning Researches (JMLR) (**Action Editor**)

3. IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI) (**Associate Editor**)

4. IEEE Transactions on Neural Networks (TNN)

5. IEEE Transactions on Knowledge and Data Engineering (TKDE)

6. IEEE Transactions on Information Theory (TIT)

7. IEEE Transactions on Signal Processing (TSP)

8. Transactions on Computational Biology and Bioinformatics (TCBB)

9. Journal of Artificial Intelligence Research (JAIR)

10. Journal of Graphical and Computational Statistics (JGCS)

11. Machine Learning

12. Pattern Recognition

13. Bioinformatics

Books Reviewer

1. Cambridge Univeristy Press

2. Oxford University Press

3. Springer

4. Chapman & Hall/CRC

Research Project Reviewer

1. National Science Foundation

2. Israel National Science Foundation

3. Czech National Science Foundation

4. National Security Agency Mathematical Sciences Grant Program

5. Austrian Academy of Sciences

Tutorials

1. Deep Learning over graphs, Knowledge Discovery and Data Mining (KDD), 2019.

2. Embedding graphs and graphical models, Dragon Star Lecture, Peking University, Beijing, 2018.

3. Dynamic Processes over Networks: Representation, Modeling, Learning and Inference, Machine Learning Summer School, Spain, 2016.

4. Diffusion in Social and Information Networks: Research Problems, Probabilistic Models & Machine Learning Methods, Knowledge Discovery and Data Mining (KDD), 2015

5. Diffusion in Social and Information Networks: Research Problems, Probabilistic Models & Machine Learning Methods, World Wide Web (WWW), 2015

6. Spectral Approaches to Learning Latent Variable Models, International Conference on Machine Learning (ICML), 2012

Workshop Organizer or Program Chair

1. Organizer, Workshop on Bridge Deep Learning and Symbolic Reasoning. International Conference on Machine Learning (ICML), 2020

2. Organizer, Workshop on Knowledge Graph for Finance. Association for the Advancement of Artificial Intelligence (AAAI), 2020

3. Organizer, Workshop on Learning with Temporal Point Processes. Neural Information Processing Systems (NIPS), 2019

4. Organizer, Workshop on Deep learning over graphs. Knowledge Discovery and Data Mining (KDD), 2019

5. Organizer, Workshop on Machine Learning for Finance. Industrial Day, International Conference on Machine Learning (ICML), 2019

6. Organizer, Workshop on Large-Scale Kernel Learning: Challenges and New Opportunities, International Conference on Machine Learning (ICML), 2015

7. Organizer, Workshop on Diffusion, Activity and Events in Networks: Models, Methods & Applications, World Wide Web (WWW), 2015

8. Organizer, Workshop on Modern Nonparametrics: Automating the Learning Pipeline, Neural Information Processing Systems (NIPS), 2014

9. Program Chair, Workshop on Spectral Algorithms for Latent Variable Models, Neural Information Processing Systems (NIPS), 2013

10. Program Chair, Workshop on Spectral Algorithms for Latent Variable Models, International Conference on Machine Learning (ICML), 2013

11. Organizer, Workshop on Spectral Algorithms for Latent Variable Models, Neural Information Processing Systems (NIPS), 2012

12. Organizer, Workshop on Confluence between Kernel Methods and Graphical Models, Neural Information Processing Systems (NIPS), 2012

13. Organizer, Workshop on Transfer Learning for Structured Data, Neural Information Processing Systems (NIPS), 2009

8 INVITED TALKS

1. Aug 2020, Cybersecurity with Graph Neural Networks. **Keynote Talk**. KDD workshop on Deep Learning on Graph: Methods and Applications, San Diego, USA.

2. Aug 2020, Deep Learning for Algorithm Design. International Joint Conference on Theoretical Computer Science, Beijing, China.

3. Apr 2020, Robust Logic Reasoning with Graph Neural Networks. **Keynote Talk**. WWW Workshop on Deep Learning for Graphs, Taiwan.

4. Feb 2020, Robust Logic Reasoning with Graph Neural Networks. **Keynote Talk**. AAAI Workshop on Deep Learning on Graphs: Methodologies and Applications. New York, USA.

5. Nov 2019, Graph neural networks for representation learning and symbolic reasoning. **Keynote Talk**. Asian Conference on Machine Learning. Nagoya, Japan.

6. Sep 2019, Can graph neural network help logic reasoning? Oakridge National Lab AI Conference. Oakridge, USA.

7. Sep 2019, Deep learning for graphs. Alibaba Yunqi Tech Conference. Hangzhou, China.

8. Aug 2019, Adversarial Attack over Structured Data. KDD workshop on machine learning for security. Alaska, USA.

9. Jun 2019, Adversarial Attack over Structured Data. ICML workshop on machine learning for security. Long Beach, USA.

10. May 2019, Can graph neural network help logic reasoning? ICLR workshop on deep learning over graph. New Orleans, USA.

11. May 2019, Can graph neural network help logic reasoning? Johns Hopkins University.

12. March 2019, Deep learning over Graphs. Chinese University of Hong Kong.

13. March 2019, Deep learning over Graphs. Huazhong University of Science and Technology. Wuhan, China.

14. November 2018, Deep learning over graphs. Invited talk at University of Pennsylvania, Philadephia, USA.

15. October 2018, Deep learning over graphs. Invited talk at University of Notre Dame.

16. August 2018, Deep learning over graphs. Invited talk at KDD day on deep learning, London, UK

17. July 2018, Saddle point formulation for reinforcement learning. Invited talk at National Taiwan University.

18. March 2018, Enhancing deep learning with structures. Invited talk at Tokyo Deep Learning Workshop.

19. January 2018, Enhancing deep learning with structures. Invited talk at AI department in JD.

20. January 2018, Enhancing deep learning with structures. Invited talk at Institute of Automation, Academy of Sciences.

21. December 2017, Deep learning over graph for cybersecurity. **Keynote Talk** at NUS workshop on deep learning for cybersecurity.

22. December 2017, Iterative machine teacher. Invited talk at NIPS workshop on teaching machine, robots and humans.

23. October 2017, Learning combinatorial optimization over networks. Invited talk at INFORMS annual meeting.

24. October 2017, Representation learning over networks: embedding methods, Structure2Vec platform and applications. Invited speaker at machine learning summit, Alibaba Yunqi conference.

25. August 2017, Toutiao JinZiJie discussion forum. Invited speaker for round-table discussion on future of AI. Beijing, China.

26. August 2017, Embedding as a tool for algorithm design. University of Technologies, Sydney, Australia.

27. August 2017, Embedding as a tool for algorithm design. University of Sydney, Sydney, Australia.

28. July 2017, Structure2vec embedding for feature extractions over graphs. Wechat data center, Shenzhen, China.

29. June 2017, Invited speaker for round-table discussion on future of AI, Geekpark academic forum, Beijing, China.

30. April 2017, Embedding as a tool for algorithm design. Simon Institute workshop for challenges in machine learning. Berkeley, USA.

31. April 2017, Embedding as a tool for algorithm design. MIT CSAIL, Boston, USA.

32. March 2017, Embedding as a tool for algorithm design. Distinguished speaker. Tencent AI Lab Academic Forum, Shenzhen, China

33. December 2016, Co-coevolutionary feature embedding processes for recommendation and knowledge reasoning. Tsinghua University, China.

34. December 2016, Co-coevolutionary feature embedding processes for recommendation and knowledge reasoning. MIFS, Chinese Academy of Engineering, China.

35. December 2016, Co-coevolutionary feature embedding processes for recommendation and knowledge reasoning. Toutiao Lab, China.

36. December 2016, Co-coevolutionary feature embedding processes for recommendation and knowledge reasoning. Microsoft Research Asia, China.

37. November 2016, Co-coevolutionary feature embedding processes for recommendation and knowledge reasoning. Amazon, Seatle, USA.

38. November 2016, Discriminative embedding of latent variable models for structured data. Berkeley, UC Berkeley, USA.

39. November 2016, Discriminative embedding of latent variable models for structured data. Palo Alto, Stanford University, USA.

40. September 2016, Discriminative embedding of latent variable models for structured data. Caltech, Pasadena, USA.

41. September 2016, Discriminative embedding of latent variable models for structured data. USC, Los Angeles, USA.

42. September 2016, Discriminative Embedding of Molecular Structures for Property Prediction. UCLA IPAM workshop on Machine Learning Meets Many-Particle Problems, Los Angeles, USA.

43. September 2016, Understanding deep learning for big data. MLconf machine learning conference series, Atlanta, USA.

44. September 2016, Discriminative embedding of latent variable models for structured data. MIT, Boston, USA.

45. September 2016, Coevolutionary latent feature processes for continuous-time user-item interactions. Recsys workshop on deep learning for recommendation systems. Boston, USA.

46. August 2016, Dynamic processes over network: representation, modeling, learning and inference. **Keynote Talk** at KDD workshop on time-series analysis, San Francisco, USA.

47. July 2016, Discriminative embedding of latent variable models for structured data. Cambridge University, Cambridge, UK.

48. July 2016, Discriminative embedding of latent variable models for structured data. University College of London, London, UK.

49. July 2016, Time-sensitive recommendation. BBVA Data & Analytics, Madrid, Spain.

50. May 2016, Dynamic processes over network: representation, modeling, learning and inference. Machine Learning Summer School, Cardiz, Spain.

51. March 2016, Kernel methods for graphical models. Workshop on probabilistic graphical models, ISM, Tokyo, Japan.

52. March 2016, Understanding deep learning via kernel methods. University of Tokyo, Tokyo, Japan.

53. March 2016, Machine learning for big nonlinear models. Symposium on big data in analytical sciences: challenges and solutions, Pittcon, Atlanta, USA.

54. March 2016, Understanding deep learning via kernel methods. Google Machine Learning Workshop, New York, USA.

55. January 2016, COEVOLVE: a joint model of information diffusion and network evolution. Institute of Advanced Study, Center for the Statistical Science, Hong Kong University of Science and Technology, Hongkong.

56. December 2015, Kernel methods for learning big nonlinear models. Workshop on modern questions and challenges of feature extraction, Neural Information Processing Systems, Montreal, Canada.

57. October 2015, Large scale and distributed algorithms for nonparametric and nonlinear machine learning models. China National Computer Congress, Hefei, China.

58. October 2015, Scalable kernel methods for big nonlinear models. Microsoft Research Asia, Beijing, China.

59. October 2015, Scalable kernel methods for big nonlinear models. General Electric, Atlanta, USA.

60. October 2015, Estimating networks from high dimensional temporal data. Dept. of Biochemistry and Molecular Biology, University of Georgia, Athena, USA.

61. September 2015, Scalable kernel methods for big nonlinear models. Booth School of Business, University of Chicago, Chicago, USA.

62. September 2015, Estimating networks from high dimensional temporal data. Rollin School of Public Health, Emory University, Atlanta, USA.

63. August 2015, Modeling Temporal Information. Homedepot. Atlanta, USA

64. March 2015, Shaping social activity by incentivizing users. Department of Statistics, University of Washington, Seattle, USA.

65. March 2015, Shaping social activity by incentivizing users. Twitter, San Francisco, USA.

66. March 2015, Scalable kernel methods via doubly stochastic gradients. Microsoft Research Redmond, Seattle, USA.

67. March 2015, Scalable kernel methods via doubly stochastic gradients. Industrial and System Engineering, Georgia Institute of Technology, Atlanta, USA

68. October 2014, Scalable learning of nonparametric latent variable models. Department of Statistics, Oxford University, Oxford, UK.

69. October 2014, Scalable learning of nonparametric latent variable models. Gatsby Computational Unit, University of College London, London, UK.

70. October 2014, Scalable learning of nonparametric latent variable models. Department of Computer Science, Department of Statistical Science, Duke University, Durham, USA.

71. June 2014, Learning and inference of high dimensional "asynchronous" and "interdependent" event data. School of Mathematical Sciences, Fudan University, Shanghai, China.

72. April 2014, Learning and inference of high dimensional "asynchronous" and "interdependent" event data. School of Mathematics, Georgia Institute of Technology, Atlanta, USA.

73. March 2014, Learning and inference of high dimensional "asynchronous" and "interdependent" event data. Graduate School of Informatics, Kyoto University, Kyoto, Japan.

74. December 2013, Scalable influence estimation in continuous-time diffusion models. Randomized Machine Learning Algorithm Workshop, Neural Information Processing Systems, Lake Tahoe, USA.

75. December 2013, Learning nonparametric latent variable models with kernels. Spectral Learning Workshop, Neural Information Processing Systems, Lake Tahoe, USA

76. November 2013, Learning nonparametric latent variable models via Hilbert space embedding of distributions. Max Planck Institute for Intelligent Systems, Tubingen, Germany.

77. October 2013, Learning high-dimensional multivariate point processes. Microsoft Research Asia, Beijing, China.

78. October 2013, Learning high-dimensional multivariate point processes. Computer Science Department, Tsinghua University, Beijing, China.

79. October 2013, Learning high-dimensional multivariate point processes. Machine Learning Department, Carnegie Mellon University, Pittsburgh, USA.

80. June 2013 Learning nonparametric latent variable models with kernels. Spectral Learning Workshop, International Conference on Machine Learning, Atlanta, USA

81. Sept 2012, Learning Networks of Heterogeneous Influence. Workshop on "Networks: Processes and Causality", Menorca, Spain.

82. April 2012, Hilbert space embedding of distributions. Computer Science Department, King Abdullah University of Science and Technology, Thuwal, Saudi Arabia

83. April 2011, Modeling Rich Structured Data via Kernel Distribution Embeddings. Electrical Engineering and Computer Science Department, Massachusetts Institute of Technology, Cambridge, USA.

84. March 2011, Modeling Rich Structured Data via Kernel Distribution Embeddings. Computer Science Department, Stanford University, Stanford, USA.

85. March 2011, Modeling Rich Structured Data via Kernel Distribution Embeddings. Computational Science and Engineering Department, Georgia Institute of Technology, Atlanta, USA.

86. February 2011, Modeling Rich Structured Data via Kernel Distribution Embeddings. Department of Biostatistics, Harvard School of Public Health, Cambridge, USA.

87. June 2010, Graphical Models via Kernels. Google Research, New York, USA.

88. May 2010, Graphical Models via Kernels. Yahoo! Research, Sunnyvale, USA.

89. December 2007, Learning via Hilbert space embedding of distributions. Microsoft Research, Seattle, USA.

90. December 2007, Colored maximum variance unfolding. Machine Learning Department, Carnegie Mellon University, Pittsburgh, USA.