

CURRICULUM VITAE

Yiming Yang, Professor
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Degrees

- Ph.D. Computer Science, Kyoto University (Japan), 1986

Appointments

- **Present (since 2013)**: Professor in the Language Technologies Institute and the Machine Learning Department in the School of Computer Science at Carnegie Mellon University (CMU) Pittsburgh, US.
- **Present (since 2018)**: Director of the CMU-BNL (Brookhaven National Lab of DOE) Joint Center for Artificial Intelligence and Machine Learning.
- **1999-2003**, Associate Professor, LTI & CSD, Carnegie Mellon University (tenure in 1999)
1996-1999, Sr. Research Scientist, LTI & CSD, Carnegie Mellon University
1993-1996, Assistant Professor of Biostatistics, Mayo Medical School, Rochester, MN
1990-1996, Associate Consultant, Dept of Health Sciences Research, Mayo Clinic
1986-1988, Research Scientist, Computing Research Laboratory, New Mexico State University

Publication Highlights

- With 27,000+ citations and a H-index of 50 as of Feb 2019 in Google Scholar (<https://scholar.google.com/citations?user=MIZq4XwAAAAJ&hl=en>)

Selected Publications (top 5)

- Hanxiao Liu, Karen Simonyan, **Yiming Yang**: DARTS: Differentiable Architecture Search. *The International Conference on Learning Representations (ICLR)*, 2019.
- Wei-Cheng Chang, Chun-Liang Li, **Yiming Yang**, Barnabás Póczos: Kernel Change-Point Detection with Auxiliary Deep Generative Models. *ICLR* 2019.
- Ruo Chen Xu, **Yiming Yang**, Naoki Otani, Yuexin Wu: Unsupervised Cross-lingual Transfer of Word Embedding Spaces. *Conference on Empirical Methods in Natural Language Processing (EMNLP) 2018*: 2465-2474
- Guokun Lai, Wei-Cheng Chang, **Yiming Yang**, Hanxiao Liu: [Modeling Long- and Short-Term Temporal Patterns with Deep Neural Networks](#). *Conference on Research and Development in Information Retrieval (SIGIR) 2018*: 95-104
- Chun-Liang Li, Wei-Cheng Chang, Yu Cheng, **Yiming Yang**, Barnabás Póczos: MMD GAN: Towards Deeper Understanding of Moment Matching Network. *The Conference on Neural Information Processing Systems (NeurIPS) 2017*.

Other Selected Publications (2nd 5)

- Hanxiao Liu, Yuexin Wu, **Yiming Yang**: [Analogical Inference for Multi-relational Embeddings](#). *International Conference on Machine Learning (ICML)*, pp2168-2178, 2017.
- Jingzhou Liu, Wei-Cheng Chang, Yuexin Wu, **Yiming Yang**: [Deep Learning for Extreme Multi-label Text Classification](#). *SIGIR 2017*: pp115-124
- **Yiming Yang**, Hanxiao Liu, Jaime G. Carbonell, Wanli Ma: Concept Graph Learning from Educational Data. *ACM International Conference on Web Search and Data Mining (WSDM) 2015*: 159-168

- **Yiming Yang** and J.G. Carbonell and R. Brown and R.E. Frederking. [Translingual information retrieval: learning from bilingual corpora](#). *Artificial Intelligence Journal (AIJ)*, special issue: Best of IJCAI-97, vol. 103, pp323--345, 1998.
- **Yiming Yang** and J.P. Pedersen. [A comparative study on feature selection in text categorization](#). *International Conference on Machine Learning (ICML)*, pp412-420, 1997.

Honors/Awards

- Program Committee Member of ACM SIGIR 2001- 2015, 2018
- Program Committee Member of ICML 2016
- Program Committee Member of AAAI 2005
- Program Committee Member of ACM SIGKDD 2003
- Program Committee Member of ICML 2001
- Editorial board of Information Retrieval Journal (1998 – 2007)
- Guest Editor, Machine Learning Journal, Special Issue on Machine Learning in Information Retrieval
- Distinguished Paper Award, International Joint Conference of Artificial Intelligence (IJCAI) 1997
- Best Theoretical Paper, 18th Ann. Sym. on Comp. Appl. in Medical Care
- Best Theoretical Paper, 17th Ann. Sym. on Comp. Appl. in Medical Care
- National Library of Medicine Training Fellowship (Postdoctoral, 1992-1995)
- Academy Prize of Information Processing Society of Japan for the Best Paper at the National Conference in Information Processing, 1985
- Scholarship from the Japanese Ministry of Education, 1979-1986

Current Research Grants

- PI of NSF BIGDATA: Large-scale Transductive Learning from Heterogeneous Data Sources (2016 – 2019)
- PI of Boeing-sponsored Airplane Event Prediction based on sensor network analysis
- PI of “Deep Learning for Recommendation based on Massive User Behavior Data” sponsored by a confidential company
- PI of “Deep Structured Learning for Novel Event Detection over News Streams” sponsored by a confidential company.
- Co-PI of the DOE grant on Robust Extreme-scale Multimodal Structured Learning from Spatio-temporal Data (2016 – 2019)
- ARIEL: Analysis of Rare Incident-Event Languages (DARPA, 2014 – 2018)

Currently Advised Students

- PhD candidates (7): Ruochen Xu, Yuexin Wu, Wei-Cheng Chang, Guokun Lai, Zihang Dai, Jingzhou Liu, Doughan Yu
- Master candidates (3): Bohan Li, Ruohong Zhang, Yong-Siang Shih

Past Advised Students

- Post-doc: Thomas Ault
- PhD: Zhengbao Jiang, Andrew Hsi, Hanxiao Liu, Guoqing Zheng, Siddharth Gopal, Konstantin Salomatin, Abhay S Harpale, Abhimanyu Lad, Shinjae Yoo, Jian Zhang, Fan Li, Monica Rogati, Yan Liu, Han Liu, Ulas Bardak, Doug Baker, Xin Liu
- MS : Noaki Otani, Madhura Das, Ashwin Nareshkumar, Nianli Ma, Bryan Klimt, Ashwin Tengli, Yi Chang, Nie Lao, Henry Shu, Suresh Ganapathy

Graduate Advisor: Shuji Doshita, Kyoto University (Japan)