EXHIBIT A

Ben Y. Zhao

Neubauer Professor of Computer Science
University of Chicago

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EDUCATION

University of California at Berkeley — **Berkeley, CA**
Ph.D. in Computer Science: advisors John Kubiatowicz and Anthony Joseph — August, 2004
M.S. in Computer Science: advisor Anthony Joseph — December, 2000

Yale University — **New Haven, CT**
B.S. in Computer Science — May, 1997
Graduated Cum Laude and Distinction in the Major

RESEARCH INTERESTS

Machine Learning | Human Computer Interaction | Security and Privacy | Internet Measurements
Distributed Systems | Mobile and Wireless Networks | Online Social Networks

APPOINTMENTS

University of Chicago — **Chicago, IL**
Neubauer Professor of Computer Science — July 2017 — Present

University of California at Santa Barbara — **Santa Barbara, CA**
Professor of Computer Science — July 2014 — June 2017
Associate Professor of Computer Science — July 2010 — June 2014
Assistant Professor of Computer Science — July 2004 — June 2010

Microsoft Research, Cambridge UK — **Cambridge, UK**
Visiting Researcher — July 2007 — August 2007

University of California at Berkeley — **Berkeley, CA**
Graduate Student Researcher — August 1997 — June 2004
Principal architect of the Tapestry structured peer-to-peer network and
founding member of the OceanStore project on highly persistent global-scale storage.

HONORS AND AWARDS

- **Publications with 36,000+ academic citations, H-Index = 78** (Google Scholar)
- **Forbes 30 Under 30 (2024)** for 3 advisees (Shawn Shan, Jenna Cryan, Emily Wenger)
- **Chicago Innovation Award (2023)**, for Glaze
- **TIME Magazine Best Inventions (2023)** - Special Mention, Glaze
- **USENIX Internet Defense Prize (2023)**, Glaze
- **Distinguished Paper Award**, *USENIX Security Symposium 2023* (Glaze)
- **ACM Fellow,** 2021
- **Best Paper Honorable Mention Award**, *CHI 2020* (Wearable Microphone Jammer)
- **Best Paper Honorable Mention Award**, *CHI 2020* (Detecting Gender Stereotypes)
- **Most Influential Paper Award**, *ASPLOS 2018*, (OceanStore paper ASPLOS 2000)
- **IEEE Internet Technical Committee, Early Career Award,** 2014
- **Best Practical Paper Award**, *ACM SIGMETRICS 2013*
- **Google Faculty Award,** 2011
- **UCSB Regent Faculty Fellowship**, 2009
- **ComputerWorld Magazine Top IT Innovators under 40**, 2007
- **MIT Technology Review TR-35 (Top 35 Technological Innovators under Age 35)**, 2006

- **NSF Young Faculty Investigator (CAREER) Award**, 2005
- **Best Student Paper Award**, *USENIX Conference on File and Storage Technologies (FAST)*, 2003
- **Best Paper Award**, *ACM MSWiM*, 2001
- **Best Paper Award**, *IEEE Computer Networks*, 2001
- **U. C. Regents Fellowship**, 1998
- **Cum Laude, Distinction in Major and Tau Beta Pi**, Yale University, 1997

PROFESSIONAL AFFILIATIONS

Member, ***Fellow (2021)***, Association for Computing Machinery (ACM)
Member, ACM SIGOPS, ACM SIGCOMM, ACM SIGSAC
Member of USENIX
Member of IEEE

PROFESSIONAL ACTIVITIES

Conference Organization

- **Steering Committee,** IEEE Conference on Secure and Trustworthy Machine Learning (SaTML), 2023-Present
- **Steering Committee,** ACM Workshop on Hot Topics in Networks (HotNets), 2021-2023
- **General (Co-)Chair,** ACM Workshop on Hot Topics in Networks (HotNets), 2020
- **Program (Co-)Chair,** ACM SIGCOMM Internet Measurement Conference (IMC), 2018
- **Program (Co-)Chair,** International World Wide Web Conference (WWW), 2016
- **Steering Committee**: International Symposium on Complex Networks (COMPLEX)
- **Co-founder, Steering Committee:** ACM Conference on Online Social Networks (COSN)
- **Program Track Chair: Social Networks and Graph Analysis,** International World Wide Web Conference (WWW), 2013
- **Program Co-Chair,** SIGCOMM Workshop on Online Social Networks (WOSN), 2012
- **Program Co-Chair,** IEEE Conference on Peer-to-Peer Computing (P2P), 2010
- **Global Chair**, European Conference on Parallel Processing (Euro-Par) Topic 7, 2009
- **Steering Committee**, International Workshop on Peer-To-Peer Systems (IPTPS), 2007 - 2010
- **Program Co-Chair**, International Workshop on Peer-To-Peer Systems (IPTPS), 2006

Selected Technical Program Committees

- **ACM Conference on Computer and Communications Security (CCS)**, 2021 – 2024
- **IEEE Symposium on Security and Privacy (*Oakland*),** 2015, 2016, 2021, 2022, 2025
- **NeurIPS Area Chair**, 2023, 2024
- **ACM SIGCOMM,** 2019 (Heavy), 2020 (Extended), 2023
- **ACM/USENIX Symposium on Networked Systems, Design and Implementation (*NSDI*),** 2014, 2020 (Heavy), 2022, 2023
- **ACM SIGCOMM Internet Measurement Conference (*IMC*),** 2012, 2013, 2015, 2016, 2018-2020, 2022, 2023
- **ACM SIGOPS Workshop on Hot Topics in Systems *(HotOS)***, 2021
- **ACM International Conference on Web Search and Data Mining (*WSDM*)**, 2013, 2017-2018, (Senior TPC) 2019-2020
- **AAAI Conference on Weblogs and Social Media (*ICWSM*),** 2015-2019 (Senior PC), 2014

- **Privacy Enhancing Technologies Symposium (*PETS*),** 2019
- **The International World Wide Web Conference (*WWW*),** 2012 – 2019
- **ACM Conf. on emerging Networking EXperiments and Technologies (*CoNEXT*),** 2011, 2016, 2018
- **ACM 9th Workshop on Hot Topics in Networks (*HotNets*),** 2010, 2018
- **European Symposium on Research in Computer Security (*ESORICS*)**, 2016, 2017
- **ACM/IFIP/USENIX International Middleware Conference (*Middleware*)**, 2010, 2011, 2017
- **USENIX Workshop on Hot Topics in Cloud Computing (*HotCloud*),** 2013, 2016
- **Passive and Active Measurements Conference (*PAM*),** 2016
- **ACM Symposium on Cloud Computing (*SOCC*),** 2015
- **ACM Web Science Conference (*WebSci*),** 2014
- **ACM Conference on Online Social Networks (*COSN*),** 2013, 2014, 2015
- **IEEE Annual Conference on Computer Communications (*INFOCOM*)**, 2008, 2009, 2010, 2013
- **ACM SIGCOMM International Workshop on Online Social Networks (*WOSN*),** 2010, 2012
- **IEEE Conference on Peer-to-Peer Computing (*P2P*)**, 2009, 2010, 2012
- **ACM 12th Workshop on Mobile Computing Systems and Applications (*HotMobile*),** 2011
- **IEEE Int'l Conference on Distributed Computing Systems (*ICDCS*)**, 2005-07, 2009, 2010, 2013
- **IEEE International Conference on Network Protocols (*ICNP*)**, 2006, 2007
- **IEEE International Workshop on Quality of Service (*IWQoS*)**, 2007
- **International Workshop on Peer-to-Peer Systems (*IPTPS*)**, 2005, 2006

Journals

- **Associate Editor,** ACM Transactions on the Web, 2017 — 2019.
- **Guest Editor**, Journal of Advances in Multimedia, Special Issue: "Towards Next-Generation Peer-to-Peer Services," Hindawi, 2007.
- **Guest Editor**, Concurrency and Computation: Practice and Experience, Special Issue: "Recent Advances in Peer-to-Peer Systems and Security," Wiley, 2007.

Other Appointments

- National Science Foundation (NSF) Invited Proposal Funding Panelist
  - CNS Panel: CISE Core, 2005-08, 2011-15
  - CNS Panel: CISE Cross-cutting, 2005, 2009-11, 2013, 2014, 2017-2022
  - CNS Panel: CAREER, 2006, 2007, 2012, 2019-2022
- Judge for MIT Technology Review Young Innovator (TR-35): 2008, 2010-11, 2013-2023
- Hong Kong Research Grants Council Panelist: 2007, 2009-2013, 2015-2017
- Qatar Computing Research Institute Research Panelist: 2011, 2013, 2014, 2017

REFEREED PUBLICATIONS

_____ *denotes equal contribution, co-first authors*

1. "Organic or Diffused: Can We Distinguish Human Art from AI-generated Images?" Anna Yoo Jeong Ha, Josephine Passananti, Ronik Bhaskar, Shawn Shan, Reid Southen, Haitao Zheng, and Ben Y. Zhao. Proceedings of *ACM Conference on Computer and Communications Security (CCS)*, Salt Lake City, UT, October 2024.

2. "Nightshade: Prompt-Specific Poisoning Attacks on Text-to-Image Generative Models." Shawn Shan, Wenxin Ding, Josephine Passananti, Stanley Wu, Haitao Zheng, Ben Y. Zhao. Proceedings of the *45th IEEE Symposium on Security and Privacy (IEEE S&P)*, San Francisco, CA , May 2024.

3. "Towards Scalable and Robust Model Versioning." Wenxin Ding, Arjun Nitin Bhagoji, Ben Y. Zhao, Haitao Zheng. Proceedings of *IEEE Conference on Secure and Trustworthy Machine Learning* (*SaTML)*, Toronto Canada, April 2024.

4. "Can Virtual Reality Protect Users from Keystroke Inference Attacks?" Zhuolin Yang, Zain Sarwar, Iris Hwang, Ronik Bhaskar, Ben Y. Zhao, Haitao Zheng. Proceedings of *USENIX Security Symposium (USENIX Security)*, Philadelphia, PA, August 2024.

5. "Data Isotopes for Data Provenance in DNNs." Emily Wenger, Xiuyu Li, Ben Y. Zhao, and Vitaly Shmatikov. Proceedings of *Privacy Enhancing Technologies Symposium (PETS)*, Bristol UK, July 2024.

6. "Characterizing the Optimal 0−1 Loss for Multi-class Classification with a Test-time Attacker." Sihui Dai, Wenxin Ding, Arjun Nitin Bhagoji, Daniel Cullina, Haitao Zheng, Ben Y. Zhao, Prateek Mittal. Proceedings of 37th *Conference on Neural Information Processing Systems (NeurIPS)*, New Orleans, December 2023. **Spotlight Paper.**

7. "Glaze: Protecting artists from style mimicry by text-to-image models." Shawn Shan, Jenna Cryan, Emily Wenger, Haitao Zheng, Rana Hanocka, Ben Y. Zhao. Proceedings of *USENIX Security Symposium (USENIX Security)*, Anaheim CA, August 2023.
   Distinguished Paper Award.
   Winner: USENIX Internet Defense Prize (2023).

8. "Towards a General Video-based Keystroke Inference Attack." Zhuolin Yang,, Yuxin Chen, Zain Sarwar, Hadleigh Schwartz, Ben Y. Zhao, Haitao Zheng. Proceedings of *USENIX Security Symposium (USENIX Security)*, Anaheim CA, August 2023.

9. "'My face, my rules': Enabling Personalized Protection against Unacceptable Face Editing." Zhujun Xiao, Jenna Cryan, Yuanshun Yao, Yi Hong Gordon Cheo, Yuanchao Shu, Stefan Saroiu, Ben Y. Zhao, Haitao Zheng. Proceedings of *Privacy Enhancing Technologies Symposium (PETS)*, Lausanne, Switzerland, July 2023

10. "SoK: Anti-Facial Recognition Technology." Emily Wenger, Shawn Shan, Haitao Zheng, and Ben Y. Zhao. Proceedings of *44th IEEE Symposium on Security and Privacy (Oakland)*, San Francisco CA, May 2023.

11. "Finding Naturally Occurring Physical Backdoors in Image Datasets." Emily Wenger, Roma Bhattacharjee, Arjun Bhagoji, Josephine Passananti, Emilio Andere, Haitao Zheng, Ben Y. Zhao. Proceedings of *the 36th Conference on Neural Information Processing Systems (NeurIPS),* New Orleans LA, December 2022.

12. "Understanding Robust Learning through the Lens of Representation Similarities." Christian Cianfarani, Arjun Nitin Bhagoji, Vikash Sehwag, Ben Y. Zhao, Prateek Mittal, and Haitao Zheng. Proceedings of *the 36th Conference on Neural Information Processing Systems (NeurIPS),* New Orleans LA, December 2022.

13. "Post-breach Recovery: Protection against White-box Adversarial Examples for Leaked DNN Models." Shawn Shan, Wenxin Ding, Emily Wenger, Haitao Zheng, and Ben Y. Zhao. Proceedings of *29th ACM Conference on Computer and Communications Security (CCS)*, Los Angeles, CA, November 2022.

14. "Poison Forensics: Traceback of Targeted Data Poisoning Attacks in Neural Networks." Shawn Shan, Arjun Nitin Bhagoji, Haitao Zheng, and Ben Y. Zhao. Proceedings of *USENIX Security Symposium*

(USENIX Security), Boston, MA, August 2022.

15. "Blacklight: Scalable Defense for Neural Networks against Query-Based Black-Box Attacks." Huiying Li, Shawn Shan, Emily Wenger, Jiayun Zhang, Haitao Zheng, and Ben Y. Zhao. Proceedings of *USENIX Security Symposium (USENIX Security)*, Boston, MA, August 2022.

16. "'Hello, It's Me': Deep Learning-based Speech Synthesis Attacks in the Real World." Emily Wenger, Max Bronckers, Christian Cianfarani, Jenna Cryan, Angela Sha, Haitao Zheng, and Ben Y. Zhao. Proceedings of *ACM Conference on Computer and Communications Security (CCS)*, Seoul, South Korea, November 2021.

17. "Patch-based Defenses against Web Fingerprinting Attacks." Shawn Shan, Arjun Nitin Bhagoji, Haitao Zheng, and Ben Y. Zhao. Proceedings of *14th ACM Workshop on Artificial Intelligence and Security (AISec)*, Seoul, South Korea, November 2021.

18. "Towards Performance Clarity of Edge Video Analytics." Zhujun Xiao, Zhengxu Xia, Heather Zheng, Ben Y. Zhao, Junchen Jiang. Proceedings of *ACM/IEEE Symposium on Edge Computing (SEC)*, San Jose, December 2021.

19. "Backdoor Attacks Against Deep Learning Systems in the Physical World." Emily Wenger, Josephine Passanati, Arjun Nitin Bhagoji, Yuanshun Yao, Haitao Zheng, Ben Y. Zhao. Proceedings of *IEEE Computer Vision and Pattern Recognition (CVPR)*, June 2021.

20. "User Authentication via Electrical Muscle Stimulation." Yuxin Chen, Zhuolin Yang, Ruben Abbou, Pedro Lopes, Ben Y. Zhao, Haitao Zheng. Proceedings of *ACM CHI Conference on Human Factors in Computing Systems (CHI)*, Yokohama Japan, April 2021.

21. "Trimming Mobile Applications for Bandwidth-Challenged Networks in Developing Regions." Qinge Xie, Qingyuan Gong, Xinlei He, Yang Chen, Xin Wang, Haitao Zheng, Ben Y. Zhao. *IEEE Transactions on Mobile Computing (TMC),* 2021

22. "On Migratory Behavior in Video Consumption." Huan Yan, Haohao Fu, Yong Li, Tzu-Heng Lin, Gang Wang, Haitao Zheng, Depeng Jin, Ben Y. Zhao. *IEEE Transactions on Network and Service Management, Vol 18, No 2, Pgs 1775-1788*, 2021

23. "Gotta Catch'em All: Using Honeypots to Catch Adversarial Attacks on Neural Networks." Shawn Shan, Emily Wenger, Bolun Wang, Bo Li, Haitao Zheng, Ben Y. Zhao. Proceedings of *ACM Conference on Computer and Communications Security (CCS)*, Orlando, FL, November 2020.

24. "Deep Graph Convolution Networks for Incident-driven Traffic Speed Prediction." Qinge Xie, Tiancheng Guo, Yang Chen, Yu Xiao, Xin Wang, Ben Y. Zhao. Proceedings of the *29th ACM International Conference on Information and Knowledge Management (CIKM)*, Galway Ireland, October 2020.

25. "Fawkes: Protecting Personal Privacy against Unauthorized Deep Learning Models." Shawn Shan, Emily Willson, Jiayun Zhang, Huiying Li, Haitao Zheng, Ben Y. Zhao. Proceedings of *USENIX Security Symposium (USENIX Security)*, Boston, MA, August 2020.

26. "Detecting Gender Stereotypes: Evaluation and Integration of Lexicon and Supervised Learning." Jenna Cryan, Shiliang Tang, Xinyi Zhang, Miriam Metzger, Haitao Zheng, Ben Y. Zhao. Proceedings of *ACM CHI Conference on Human Factors in Computing Systems*, Honolulu, HI, April 2020.
Best Paper Honorable Mention Award.

27. "Wearable Microphone Jamming." Yuxin Chen, Huiying Li, Shan-Yuan Teng, Steven Nagels, Zhijing Li, Pedro Lopes, Ben Y. Zhao, Haitao Zheng. Proceedings of *ACM CHI Conference on Human Factors in Computing Systems*, Honolulu, HI, April 2020.
Best Paper Honorable Mention Award.

28. "Et Tu Alexa? When Commodity WiFi Devices Turn into Adversarial Motion Sensors." Yanzi Zhu, Zhujun Xiao, Yuxin Chen, Zhijing Li, Max Liu, Ben Y. Zhao, and Haitao Zheng. Proceedings of *Network and Distributed System Security Symposium (NDSS)*, San Diego, CA, February 2020.

29. "Latent Backdoor Attacks on Deep Neural Networks." Yuanshun Yao, Huiying Li, Haitao Zheng and Ben Y. Zhao. Proceedings of *ACM Conference on Computer and Communications Security (CCS)*, London, UK, November 2019.

30. "Safely and Automatically Updating In-Network ACL Configurations with Intent Language." Bingchuan Tian, Xinyi Zhang, Ennan Zhai, Hongqiang Harry Liu, Qiaobo Ye, Chunsheng Wang, Xin Wu, Zhiming Ji, Yihong Sang, Ming Zhang, Da Yu, Chen Tian, Haitao Zheng, Ben Y. Zhao. Proceedings of *ACM SIGCOMM*, Beijing China, August 2019.

31. "Scaling Deep Learning Models for Spectrum Anomaly Detection." Zhijing Li, Zhujun Xiao, Bolun Wang, Ben. Y. Zhao and Haitao Zheng. Proceedings of *20th ACM International Symposium on Mobile Ad Hoc Networking and Computing (MobiHoc)*, Catania Italy, July 2019.

32. "Neural Cleanse: Identifying and Mitigating Backdoor Attacks in Neural Networks." Bolun Wang, Yuanshun Yao, Shawn Shan, Huiying Li, Bimal Viswanath, Haitao Zheng and Ben Y. Zhao. Proceedings of *40th IEEE Symposium on Security and Privacy (Oakland)*, San Francisco CA, May 2019.

33. "Towards Understanding the Adoption and Social Experience of Digital Wallet Systems." Shiliang Tang, Ziming Wu, Xinyi Zhang, Gang Wang, Xiaojuan Ma, Haitao Zheng and Ben Y. Zhao. Proceedings of *Hawaii International Conference on System Sciences (HICSS)*, Maui HI, January 2019.

34. "Predictive Analysis in Network Function Virtualization." Zhijing Li, Zihui Ge, Ajay Mahimkar, Jia Wang, Ben Y. Zhao, Haitao Zheng, Joanne Emmons, and Laura Ogden. Proceedings of the *18th ACM SIGCOMM Internet Measurement Conference (IMC)*, Boston MA, November 2018.

35. "Understanding Motivations behind Inaccurate Check-ins." Fengli Xu, Guozhen Zhang, Jiaxin Huang, Yong Li, Diyi Yang, Ben Y. Zhao, and Fanchao Meng. Proceedings of *21st ACM conference on Computer-Supported Cooperative Work and Social Computing (CSCW),* Jersey City, NJ, November 2018.

36. "Gender Bias in the Job Market: a Longitudinal Analysis." Shiliang Tang, Xinyi Zhang, Jenna Cryan, Miriam Metzger, Haitao Zheng and Ben Y. Zhao. Proceedings of *21st ACM conference on Computer-Supported Cooperative Work and Social Computing (CSCW),* Jersey City, NJ, November 2018.

37. "With Great Training Comes Great Vulnerability: Practical Attacks against Transfer Learning." Bolun Wang, Yuanshun Yao, Bimal Viswanath, Haitao Zheng and Ben Y. Zhao. Proceedings of *27th USENIX Security Symposium (USENIX Security)*, Baltimore, MD, August 2018.

38. "Ghost Riders: Sybil Attacks on Crowdsourced Mobile Mapping Services." Gang Wang, Bolun Wang, Tianyi Wang, Ana Nika, Haitao Zheng, and Ben Y. Zhao. *ACM/IEEE Transactions on Networking, Vol. 26, Issue 3, Pgs. 1123–1136,* June 2018.

39. "Benefits of Browsing? The Prevalence, Nature, and Effects of Profile Consumption Behavior in Social Network Sites." Miriam Metzger, Christo Wilson, and Ben Y. Zhao. *International Communication Association, Journal of Computer-Mediated Communication,* 2018.

40. "Penny Auctions are Predictable: Predicting and profiling user behavior on DealDash." Xinyi Zhang, Shawn Shan, Shiliang Tang, Haitao Zheng and Ben Y. Zhao. Proceedings of *ACM Conference on Hypertext and Social Media (HT)*, Baltimore, MD, July 2018.

41. "DeepCredit: Clickstream-based Model for Loan Risk Prediction in P2P Lending." Zhi Yang, Yusi Zhang, Binghui Guo, Ben Zhao and Yafei Dai. Proceedings of *International AAAI Conference on Web*

and Social Media (ICWSM), Stanford, CA, June 2018.

42. "Adversarial Localization against Wireless Cameras." Zhijing Li, Zhujun Xiao, Yanzi Zhu, Irene Pattarachanyakul, Ben Y. Zhao, Haitao Zheng. Proceedings of 19th *International Workshop on Mobile Computing Systems and Applications (HotMobile)*, Tempe AZ, February 2018.

43. "On Migratory Behavior in Video Consumption." Huan Yan, Tzu-Heng Lin, Gang Wang, Yong Li, Haitao Zheng, Depeng Jin and Ben Y. Zhao. Proceedings of *ACM International Conference on Information and Knowledge Management (CIKM)*, Singapore, November 2017.

44. "Complexity vs. Performance: Empirical Analysis of Machine Learning as a Service." Yuanshun Yao, Zhujun Xiao, Bolun Wang, Bimal Viswanath, Haitao Zheng and Ben Y. Zhao. Proceedings of the *17th ACM SIGCOMM Internet Measurement Conference (IMC)*, London, UK, November 2017.

45. "Automated Crowdturfing Attacks and Defenses in Online Review Systems." Yuanshun Yao, Bimal Viswanath, Jenna Cryan, Haitao Zheng and Ben Y. Zhao. Proceedings of *ACM Conference on Computer and Communications Security (CCS)*, Dallas, TX, October 2017.

46. "Clickstream User Behavior Models." Gang Wang, Xinyi Zhang, Shiliang Tang, Christo Wilson, Haitao Zheng, and Ben Y. Zhao. *ACM Transactions on the Web (TWEB), Vol. 11, No. 4, Article 21,* July 2017.

47. "Value and Misinformation in Collaborative Investing Platforms." Tianyi Wang, Gang Wang, Bolun Wang, Divya Sambasivan, Zengbin Zhang, Xing Li, Haitao Zheng and Ben Y. Zhao. *ACM Transactions on the Web (TWEB), Vol. 11, No. 2,* May 2017.

48. "Towards Practical Spectrum Permits." Ana Nika, Zengbin Zhang, Ben Y. Zhao and Haitao Zheng. *IEEE Transactions on Cognitive Communications and Networking (TCCN), Vol. 3, No. 1*, March 2017.

49. "SecurePost: Verified Group-Anonymity on Social Media." Michael Nekrasov, Daniel Iland, Miriam Metzger, Ben Zhao and Elizabeth Belding. Proceedings of the *7th USENIX Workshop on Free and Open Communications on the Internet (FOCI)*, Vancouver, Canada, August 2017.

50. "Object Recognition and Navigation using a Single Networking Device." Yanzi Zhu, Yuanshun Yao, Ben Y. Zhao and Haitao Zheng. Proceedings of the *15th ACM International Conference on Mobile Systems, Applications, and Services (MobiSys)*, Niagara Falls, NY, June 2017.

51. "Echo Chambers in Investment Discussion Boards." Shiliang Tang, Qingyun Liu, Megan McQueen, Scott Counts, Apurv Jain, Haitao Zheng, and Ben Y. Zhao. Proceedings of the *International AAAI Conference on Web and Social Media (ICWSM)*, Montreal, Canada, May 2017.

52. "Cold Hard E-Cash: Friends and Vendors in the Venmo Digital Payments System." Xinyi Zhang, Shiliang Tang, Yun Zhao, Gang Wang, Haitao Zheng, and Ben Y. Zhao. Proceedings of the *International AAAI Conference on Web and Social Media (ICWSM)*, Montreal, Canada, May 2017.

53. "A First Look at User Switching Behaviors over Multiple Video Content Providers." Huan Yan, Tzu-Heng Lin, Gang Wang, Yong Li, Haitao Zheng, Depeng Jin, Ben Y. Zhao. Proceedings of the *International AAAI Conference on Web and Social Media (ICWSM)*, Montreal, Canada, May 2017.

54. "Passive Social Interaction in Social Networking Sites." Miriam Metzger, Christo Wilson, Ben Y. Zhao. Proceedings of the *67th Annual International Communication Association Conference (ICA)*, San Diego, CA, May 2017.

55. "Identifying Value in Crowdsourced Wireless Signal Measurements." Zhijing Li, Ana Nika, Xinyi Zhang, Yanzi Zhu, Yuanshun Yao, Ben Y. Zhao and Haitao Zheng. Proceedings of the *26th World Wide Web Conference (WWW)*, Perth, Australia, April 2017.

56. "Trimming the Smartphone Network Stack." Yanzi Zhu, Yibo Zhu, Ana Nika, Ben Y. Zhao, Haitao Zheng. Proceedings of the *15th ACM Workshop on Hot Topics in Networks (HotNets)*, Atlanta, GA, November 2016.

57. "Anatomy of a Personalized Livestreaming System." Bolun Wang, Xinyi Zhang, Gang Wang, Haitao Zheng, Ben Y. Zhao. Proceedings of the *16th ACM SIGCOMM Internet Measurement Conference (IMC)*, Santa Monica, CA, November 2016

58. "Network Growth and Link Prediction Through an Empirical Lens." Qingyun Liu, Shiliang Tang, Xinyi Zhang, Xiaohan Zhao, Ben Y. Zhao and Haitao Zheng. Proceedings of the *16th ACM SIGCOMM Internet Measurement Conference (IMC)*, Santa Monica, CA, November 2016.

59. "Empirical Validation of Commodity Spectrum Monitoring." Ana Nika, Zhijing Li, Yanzi Zhu, Yibo Zhu, Ben Y. Zhao, Xia Zhou, and Haitao Zheng. Proceedings of *ACM Conference on Embedded Networked Sensor Systems (SenSys)*, Stanford, CA, November 2016.

60. "Self-similarity in Social Network Dynamics." Qingyun Liu, Xiaohan Zhao, Walter Willinger, Xiao Wang, Ben Y. Zhao and Haitao Zheng. *ACM Transactions on Modeling and Performance Evaluation of Computing Systems (TOMPECS), Vol. 2, No. 5, Pgs. 1-26*, November 2016.

61. "On the Performance of Cloud Storage Applications with Global Measurement." Guangyuan Wu, Fangming Liu, Haowen Tang, Keke Huang, Qixia Zhang, Zhenhua Li, Ben Y. Zhao, Hai Jin. Proceedings of *ACM/IEEE International Symposium on Quality of Service (IWQoS)*, Beijing, China, June 2016.

62. "Defending against Sybil Devices in Crowdsourced Mapping Services." Gang Wang, Bolun Wang, Tianyi Wang, Ana Nika, Haitao Zheng, Ben Y. Zhao. Proceedings of 14th *ACM International Conference on Mobile Systems, Applications, and Services (MobiSys)*, Singapore, June 2016.

63. "'Will Check-in for Badges': Understanding Bias and Misbehavior on Location-based Social Networks." Gang Wang, Sarita Y. Schoenebeck, Haitao Zheng, Ben Y. Zhao. Proceedings of 10th *International AAAI Conference on Web and Social Media (ICWSM)*, Cologne, Germany, May 2016.

64. "Unsupervised Clickstream Clustering For User Behavior Analysis." Gang Wang, Xinyi Zhang, Shiliang Tang, Haitao Zheng, Ben Y. Zhao. Proceedings of *SIGCHI Conference on Human Factors in Computing Systems (CHI)*, San Jose CA, May 2016.

65. "Exploring Cross-Application Cellular Traffic Optimization with Baidu TrafficGuard." Zhenhua Li, Weiwei Wang, Tianyin Xu, Xin Zhong, Xiang-Yang Li, Yunhao Liu, Christo Wilson, Ben Y. Zhao. Proceedings of 13*th USENIX Symposium on Networked Systems Design and Implementation (NSDI)*, Santa Clara CA, March 2016.

66. "The Power of Comments: Fostering Social Interactions in Microblog Networks." Tianyi Wang, Yang Chen, Yi Wang, Bolun Wang, Gang Wang, Xing Li, Haitao Zheng, Ben Y. Zhao. *Frontiers of Computer Science, Vol. 10, No. 5, Pgs. 889*-907, 2016.

67. "Understanding and Predicting Data Hotspots in Cellular Networks." Ana Nika, Asad Ismail, Ben Y. Zhao, Sabrina Gaito, Gian Paolo Rossi, Haitao Zheng. *Mobile Networks and Applications, Vol. 21,* December 2015.

68. "Towards Graph Watermarks." Xiaohan Zhao, Qingyun Liu, Haitao Zheng and Ben Y. Zhao. Proc. of 3rd *ACM Conference on Online Social Networks (COSN)*, Stanford, CA, November 2015.

69. "Process-driven Analysis of Dynamics in Online Social Interactions." Zhi Yang, Jilong Xue, Christo Wilson, Ben Y. Zhao, and Yafei Dai. Proc. of 3rd *ACM Conference on Online Social Networks (COSN)*, Stanford, CA, November 2015.

70. "Practical 60GHz Mobile Radar." Yanzi Zhu, Yibo Zhu, Ben Y. Zhao and Haitao Zheng. Proc. of *21st Annual International Conference on Mobile Computing and Networking (MOBICOM)*, Paris, France, September 2015.

71. "Packet-Level Telemetry in Large Datacenter Networks." Yibo Zhu, Nanxi Kang, Jiaxin Cao, Albert Greenberg, Guohan Lu, Ratul Mahajan, Dave Maltz, Lihua Yuan, Ming Zhang, Haitao Zheng, Ben Y. Zhao. Proc. of *ACM SIGCOMM*, London, UK, August 2015.

72. "Practical Conflict Graphs in the Wild." Xia Zhou, Zengbin Zhang, Gang Wang, Xiaoxiao Yu, Ben Y. Zhao and Haitao Zheng. *ACM/IEEE Transactions on Networking (ToN), Vol 23, No. 3, Pgs 824–835,* June 2015.

73. "Energy and Performance of Smartphone Radio Bundling in Outdoor Environments." Ana Nika, Yibo Zhu, Ning Ding, Abhilash Jindal, Y. Charlie Hu, Xia Zhou, Ben Y. Zhao and Haitao Zheng. Proc. of the *24th International World Wide Web Conference (WWW)*, Florence, Italy, May 2015.

74. "60GHz Mobile Imaging Radar." Yibo Zhu, Yanzi Zhu, Zengbin Zhang, Ben Y. Zhao, Haitao Zheng. Proceedings of *16th Workshop on Mobile Computing Systems and Applications (HotMobile),* Santa Fe, NM, February 2015.

75. "Crowds on Wall Street: Extracting Value from Collaborative Investing Platforms." Gang Wang, Tianyi Wang, Bolun Wang, Divya Sambasivan, Zengbin Zhang, Haitao Zheng, Ben Y. Zhao. Proceedings of *18th ACM conference on Computer-Supported Cooperative Work and Social Computing (CSCW)*, Vancouver BC, Canada, March 2015.

76. "Whispers in the Dark: Analysis of an Anonymous Social Network." Gang Wang, Bolun Wang, Tianyi Wang, Ana Nika, Haitao Zheng, Ben Y. Zhao. Proceedings of the *14th ACM SIGCOMM Internet Measurement Conference (IMC)*, Vancouver BC, Canada, November 2014.

77. "Towards Commoditized Real-time Spectrum Monitoring." Ana Nika, Zengbin Zhang, Xia Zhou, Ben Y. Zhao, Haitao Zheng. Proceedings of *First ACM Workshop on Hot Topics in Wireless (HotWireless),* Maui, HI, September 2014.

78. "Cutting the Cord: a Robust Wireless Facilities Network for Data Centers." Yibo Zhu, Xia Zhou, Zengbin Zhang, Lin Zhou, Amin Vahdat, Ben Y. Zhao, Haitao Zheng. Proceedings of 2*0th Annual International Conference on Mobile Computing and Networking (MOBICOM),* Maui, HI, Sept. 2014.

79. "Demystifying 60GHz Outdoor Picocells." Yibo Zhu, Zengbin Zhang, Zhinous Marzi, Chris Nelson, Upamanyu Madhow, Ben Y. Zhao, Haitao Zheng. Proceedings of *20th Annual International Conference on Mobile Computing and Networking (MOBICOM)*, Maui, HI, September 2014.

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