

Curriculum Vitae

Eric Lo

Ph.D., Computer Science, ETH Zurich, Switzerland

Present academic position:

Associate Professor, Department of Computing, Hong Kong Polytechnic University

Five recent publications

1. Z. Feng and Eric Lo: Aggregation Bottleneck in Main Memory Analytic Databases. In Proceedings of IEEE International Conference on Data Engineering (**ICDE**), 2015, to appear.
2. J. Wang, Eric Lo, M. L. Yiu: An Empirical Study of the Impact of Solid State Drive on Search Engine Cache Management. ACM Transactions on Information Systems (**TOIS**), to appear.
3. Eric Lo, N. Cheng, W.K. Hon, W. Lin, B. Choi: MyBenchmark: Generating Database for Query Workloads. **The VLDB Journal**, to appear.
4. P. Wong, Z. He, and Eric Lo: Parallel Analytics as a Service. In Proceedings of ACM International Conference on Management of Data (**SIGMOD**), 2013.
5. J. Wang, Eric Lo, M. L. Yiu: The Impact of Solid State Drive on Search Engine Cache Management. In Proceedings of ACM **SIGIR** conference on research and development in Information Retrieval, 2013.

Five other publications

6. Z. He and Eric Lo: Answering Why-Not Questions on Top-K Queries. IEEE Transactions on Knowledge and Data Engineering (**TKDE**). 26(6): 1300-1315 (2014)
7. J. Wang, Eric Lo, and M.L. Yiu, Identifying the Most Connected Vertices in Hidden Bipartite Graphs using Group Testing, IEEE Transactions on Knowledge and Data Engineering (**TKDE**), 25(10), 2013.
8. C. Ren, Eric Lo, B. Kao, X. Zhu, Reynold Cheng: On Analyzing Historical Evolving Graph Sequences. **PVLDB** 4(11): 726-737 (2011)
9. Eric Lo, C. Binnig, D. Kossmann, M.T. Oszu: A Framework for Testing DBMS Components. **The VLDB Journal**, 19(2): 203-230 (2010)
10. Eric Lo, B. Kao, W.S. Ho, and D. Cheung: OLAP on Sequence Data. In Proceedings of ACM International Conference on Management of Data (**SIGMOD**), 2008.

Selected Professional Activities and Awards

1. Best Paper Award, 2014 DASFAA Conference.
2. PC Chair: ACM DBTest, 2012
3. PC Track Chair: IEEE APCloud, 2012
4. Selection committee member: ICDE 2014 Student Travel Award
5. PC Member: SIGMOD 2014, VLDB 2013/14/15, ICDE 2012/13/14/15, KDD 2012, EDBT 2012/15
6. Journal Reviewer: ACM TODS, The VLDB Journal, IEEE TKDE, IEEE Transactions on Cloud Computing, IEEE TSE, DAPD
7. Publicity Chair, APSEC 2012, CIKM 2009
8. Selected Best Paper Award: ICDE 2012, VLDB 2005
9. Senior Visiting Scholar, Fudan University, China. (2011 –)