

Thorsten Joachims

University Activities

- Director of Graduate Studies, Information Science
- Senator, Computer Science
- Cognitive Science Steering Committee
- Graduated Ph.D. Student: Filip Radlinski

Professional Activities

- Action editor, Journal of Machine Learning Research,
- Associate editor, Journal of Artificial Intelligence Research
- Best Paper Awards Chair of the 2007 ACM SIGKDD Conference on Knowledge Discovery and Data Mining.
- SIGIR 07 Workshop “Learning to Rank for Information Retrieval”, coorganizer, with Hang Li, Tie-Yan Liu, Cheng Xiang Zhai, July 2007.
- NIPS07 Workshop “Machine Learning for Web Search” co-organizer, with Dengyong Zhou, Olivier Chapelle, Thomas Hofmann, December 2007.

Publications

- T. Joachims, F. Radlinski (2007). Search Engines that Learn from Implicit Feedback, IEEE Computer, 40(8):34 – 40, August.
- T. Joachims, L. Granka, B. Pang, H. Hembrooke, F. Radlinski, and G. Gay (2007). Evaluating the Accuracy of Implicit Feedback from Clicks and Query Reformulations in Web Search. ACM Transactions on Information Systems (TOIS), 25(2), April.
- Radlinski, F., Joachims, T. (2007). Active Exploration for Learning Rankings from Clickthrough Data. In Proceedings of the ACM Conference on Knowledge Discovery and Data Mining (KDD), San Jose, CA.
- Shaparenko, B., Joachims, T. (2007). Information Genealogy: Uncovering the Flow of Ideas in Non-Hyperlinked Document Databases. In Proceedings of the ACM Conference on Knowledge Discovery and Data Mining (KDD), San Jose, CA.
- Yisong Yue, Finley, T., Radlinski, F., Joachims, T. (2007). A Support Vector Method for Optimizing Average Precision. In Proceedings of the Conference on Research and Development in Information Retrieval (SIGIR), Amsterdam, Netherlands.
- Yu, Ch-N., Joachims, T., Elber, R., Pillardy, J. (2007). Support Vector Training of Protein Alignment Models. In Proceeding of the International Conference on Research in Computational Molecular Biology (RECOMB), San Francisco, CA.
- Pohl, S., Radlinski, F., Joachims, T. (2007). Recommending Related Papers Based on Digital Library Access Records. In Proceeding of the Joint Conference on Digital Libraries (JCDL), Vancouver, BC.

Lectures

- Large-Margin Training for Predicting Structured Outputs. Invited talk at the BIRS Workshop on Mathematical Programming in Data Mining, Banff, AB.
- Support Vector Machines for Structured Outputs.
 - Yahoo Research, San Jose, CA.
 - Columbia University, Center for Computational Learning Systems, New York, NY.

Awards

- Michael Tien Excellence in Teaching Award, 2007.
- NSF Award IIS-0713483 "Learning Structure to Structure Mappings".