

Robert Kleinberg

Professional Activities

- Program committees:
 - ACM Symposium on Theory of Computing (STOC 2007)
 - IEEE Symposium on Foundations of Computer Science (FOCS 2007)
 - ACM Conference on Electronic Commerce (EC 2008)
- Board of editors, Theory of Computing

Publications

- "Multiplicative updates outperform generic no-regret learning in congestion games" (FOCS 2008), with G. Piliouras and E. Tardos.
- "Brief announcement: On the Internet delay space dimensionality" (PODC 2008), with B. Abraham.
- "Truthful germs are contagious: a local-to-global characterization of truthfulness" (EC 2008), with A. Archer.
- "Learning diverse rankings with multi-armed bandits" (ICML 2008), with F. Radlinski and T. Joachims.
- "Regret bounds for sleeping experts and bandits" (COLT 2008), with A. Niculescu-Mizil and Y. Sharma.
- "Multi-armed bandit problems in metric spaces" (STOC 2008), with A. Slivkins and E. Upfal.
- "Online linear optimization and adaptive routing" Journal of Computer and System Sciences 74(1), 97-114, special issue on learning theory, 2008. With B. Awerbuch.
- "Localized client-server load balancing without global information" SIAM Journal on Computing 37(4), 1259-1279, 2007. With B. Awerbuch, M. Hajiaghayi, and T. Leighton.
- "Oblivious routing on node-capacitated and directed graphs" ACM Transactions on Algorithms 3(4), 2007. With M. Hajiaghayi, H. Raecke, and T. Leighton.

Lectures

- "Optimal Pricing and Prophet Inequalities"
 - Invited talk, Dagstuhl Workshop on Computational Social Systems and the Internet. Dagstuhl, Germany, July 2007.
 - Invited talk, INFORMS Annual Meeting. Seattle, WA, November 2007.
- "Online Learning Algorithms for Searching and Ranking"
 - University of Washington CS Theory Seminar, November 2007.
 - MIT Applied Mathematics Colloquium, December 2007.
- "Multi-armed Bandit Problems in Metric Spaces"
 - University at Buffalo CSE Theory Seminar, March 2008.
- "Learning to Surpass the Price of Anarchy".
 - Stanford iCME Colloquium, May 2008.
- "Truthful Germs Are Contagious: A Local-to-global Characterization of Truthfulness"

- o Invited talk, SED Conference on Economic Design, Ann Arbor, MI, June 2008.

Awards

- Microsoft Research New Faculty Fellowship
- Alfred P. Sloan Research Fellowship
- Cornell Association of CS Undergraduates, Faculty of the Year Award, 2007-08
- NSF grant: "Combinatorial and Algorithmic Aspects of Network Coding"