Final Project Suggestions

March 10, 2015

- *A Randomized Rounding Approach to the Traveling Salesman Problem*, Gharan, Saberi and Singh, 2011.
- *The Traveling Salesman Problem: Low-Dimensionality Implies a Polynomial Time Approximation Scheme*, Bartal, Gottlieb and Krauthgamer, 2011.
- *A linear-time approximation scheme for TSP in planar graphs with edge-weights*, Klein, 2005.
- *Online Submodular Maximization with Preemption*, Buchbinder, Feldman and Schwartz, 2015.
- *Improved approximation for the directed spanner problem*, Berman, Bhattacharyya, Makarychev, Raskhodnikova, and Yaroslavtsev, 2011.
- *Approximation algorithms for regret-bounded vehicle routing and applications to distance-constrained vehicle routing*, Friggstad and Swamy, 2014.
- *Facility Location with Client Latencies: Linear-Programming based Techniques for Minimum-Latency Problems*, Chakrabarty and Swamy, 2011.
- *The Directed Orienteering Problem*, Nagarajan and Ravi, 2011.
- *A general approximation technique for constrained forest problems.* Goemans and Williamson, 1995.
- *The Santa Claus Problem.* Bansal and Sviridenko, 2006.
- *Santa Claus schedules jobs on unrelated machines.* Svensson, 2010.
- *How bad is selfish routing?.* Roughgarden and Tardos, 2001.
- *Approximability of sparse integer programs.* Pritchard and Chakrabarty, 2009.