

Title: Algorithmic Crowdsourcing (and Applications in Social Networking)

Abstract:

This talk gives a survey of crowdsourcing applications, with a focus on algorithmic solutions. Fundamental issues in crowdsourcing, in particular, incentive mechanisms for paid crowdsourcing, and algorithms and theory for crowdsourced problem-solving are reviewed. Several applications of algorithmic crowdsourcing applications are discussed in detail. The talk also discusses several on-going projects on crowdsourcing at Temple University. Finally, some thoughts on future directions are given.