

Algorithmic Game Theory and Internet Computing

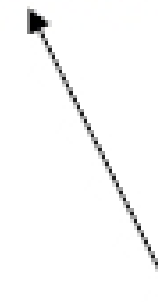
Amin Saberi

Outline

- Game Theory and Algorithms
efficient algorithms for game theoretic notions
- Complex networks and
performance of basic algorithms

Internet

Huge, distributed, dynamic
owned and operated by different entities



Algorithms

efficiency,
distributed computation,
scalability

Game Theory

strategies, fairness,
incentive compatibility