



کارگاه آموزشی یک روزه

Algorithmic and Economic Aspects of the Internet

محمد مهدیان

موسسه تحقیقاتی Yahoo!

Abstract

The Internet, like other social networks, is comprised of independent agents who interact in complex ways to create a web of relations. These local decisions result in a global structure of a surprisingly predictable form. This workshop studies the structure of these networks with a particular focus on the Internet and web graph. We explore how this structure can be exploited to extract information from such networks. We further study the economic incentives facing the agents in the network, how these incentives affect the structure, and how we can design mechanisms for e-commerce applications to account for these incentives. We conclude with a discussion of several open directions for future research.

برنامه کارگاه

| عنوان سخنرانی | ساعت |
|--|---------------|
| Introduction; Properties and models of social networks | ۹ – ۱۰:۱۵ |
| Small-world networks; Network formation games | ۱۰:۴۵ – ۱۲ |
| Link analysis algorithms: HITS, PageRank, Web spam, spectral clustering | ۱۳:۳۰ – ۱۴:۴۵ |
| Topics in e-commerce: Reputation Mechanisms, Online advertisement; Open Problems | ۱۵:۱۵ – ۱۶:۳۰ |

زمان: پنجشنبه ۸۵/۶/۲

مکان: نیاوران – ضلع جنوبی میدان شهید باهنر – پژوهشگاه دانشهای بنیادی

*** شرکت برای عموم علاقه مندان آزاد است ***