

Mahyar Salek

CONTACT INFORMATION

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RESEARCH INTERESTS

- Theoretical Computer Science, Mathematical Sociology, Economics
- Optimization, Algorithms, Search Algorithms, Algorithmic Game Theory, Auction Theory
- Combinatorial Auctions, Path Auctions, Social Networks and Optimization over Network

EDUCATION

University of Southern California, Los Angeles, CA (January 2006-present)
Department of Computer Science

Ph.D. Student, Computer Science

- Advisor: David Kempe
- Relevant Courses: Approximation Algorithms, Randomized Algorithms, Analysis of Algorithms, Game Theory, Micro-economics, Contract Theory, Combinatorics, Convex Optimization, Cryptography, Advanced Artificial Intelligence

Simon Fraser University, Burnaby, Canada (September 2005 - December 2005)
School of Computing Science

Courses: Complexity Theory, Sublinear Algorithms

Sharif University of Technology, Tehran, Iran (September 2001 - August 2005)
Department of Computer Engineering

B.S., Computer Engineering, Aug, 2005

Graduate Level Course: Advanced Algorithms

WORK EXPERIENCE

Research

- Research Assistantship, Computer Science Department, University of Southern California, Jan 2006 - now.
- Research Assistantship, Internet Algorithms lab, Sharif University of Technology, 2004.

Teaching

- Teaching Assistantship, CS 570, Computer Science Department, University of Southern California, Fall 2008.
- Teaching Assistantship, MACM 101, Computer Science Department, Simon Fraser University, Fall 2005.
- Multiple Teaching Assistantships, Sharif University of Technology, 2003-2005.
- Teaching, Classical Guitar, Department of Extracurricular Activities, Sharif University of Technology, 2002 - 2005.

Industry

- Co-Founder and Commercial Manager, Novin Zist Kala Trading and Manufacturing Company, 2001-2004

HONORS AND AWARDS

- Annenberg Graduate Fellowship, School of Communication, University of Southern California, 2007-2008.
- University of Southern California: Tuition Scholarship, 2006 - Now.
- USC Presidential Award in Commitment and Contribution, IGSA, USC 2006-07
- Young Leader Award, NIPOC 2007
- Engineering Idol 2007, USC, Los Angeles, California.
- Simon Fraser University: Entrance Scholarship: Fall 2005.
- Ranked 1st in National Graduate School Acceptance Examination for Information Technology, Iran 2005.
- Multiple Prize Winner in Classical Guitar Performance, FADJR International Music Festival, Tehran, Iran, 2000-2001

SELECTED LEADERSHIP EXPERIENCE

- President, Computer Science Graduate Organization (CSGO) at USC. 2008-09.
- Computer Science Senator, Viterbi Graduate Student Association (VGSA) at USC. 2008-09
- Student Ambassador, USC Stevens Institute for Innovation. 2008-09.
- Founding Board Member, Iranian Students and Academicians Union in North America (ISAUNA). 2007-present
- Executive Editor, IRIS Student Magazine. 2008-present
- Programming Director, International Student Assembly (ISA) at USC. 2007-08.
- President, Iranian Graduate Student Association (IGSA) at USC 2006-07.

PUBLICATIONS

M. Salek, D. Kempe: Auctions for Share-Averse Bidders. To appear in *Proceedings of WINE 2008, Shanghai, China*.

A. Iwasaki, D. Kempe, Y.Saito, M. Salek, M. Yokoo: False-name-proof mechanisms for hiring a team. To appear in *Proceedings of WINE 2007, San Diego, CA*.

S. Bharathi, D. Kempe, M. Salek: Competitive Influence Maximization in Social Networks. To appear in *Proceedings of WINE 2007, San Diego, CA*.

INVITED TALKS

- Auctions for Share-Averse Bidders, Department of Economics, University of Southern California, April 2008.
- Mechanisms for hiring a team, Computer Science Department, California Institute of Technology, February 2007, University of California, Los Angeles, November 2007.

SKILLS

- **Technical:** Proficient in C(++), Java, Familiar with Maple, Java Script, Prolog, Verilog
- **Language:** English (fluent), Persian (native), Spanish (familiar).