

# Mahyar Salek

---

## CONTACT INFORMATION

SAL 227  
Department of Computer Science  
University of Southern California  
Los Angeles, CA 90089 USA

Voice: (310) 597 9328  
E-mail: salek@usc.edu  
Web: <http://www-scf.usc.edu/~salek>

## RESEARCH INTERESTS

- Optimization, Algorithms, Algorithmic Game Theory
- Combinatorial Auctions, Path Auctions, and Ad-auctions
- Social Networks, Optimization over Network
- Internet Algorithms, Web search, Web communities
- Theoretical Computer Science, Mathematical Sociology, Game Theoretic Economics

## EDUCATION

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

MS in Computer Science, Spring 2007  
Ph.D. Student, Computer Science

- Advisor: David Kempe
- Relevant Courses: Approximation Algorithms, Randomized Algorithms, Analysis of Algorithms, Game Theory, Micro-economics, Convex Optimization, Contract Theory, Structure and Dynamics of Networked Information, 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 (full mark)

## HONORS AND AWARDS

- Annenberg Graduate Fellowship, School of Communication, University of Southern California, 2007-2008.
- University of Southern California: Tuition Scholarship, Spring, Summer, Fall 2006, Spring 2007.
- USC Presidential Award in Commitment and Contribution, IGSA, USC 2006-07
- Simon Fraser University: Entrance Scholarship: Fall 2005.
- Ranked 1<sup>st</sup> in National Graduate School Acceptance Examination for Information Technology, Iran 2005.

## ACADEMIC EXPERIENCE

**University of Southern California**, Los Angeles, California USA

- *Research Assistantship* (January 2005 - present)

- *Teaching Assistantship* (Summer 2007)  
CSCI 570, Analysis of Algorithms.

**Simon Fraser University**, Burnaby, Canada

- *Teaching Assistantship* (September 2005 - November 2005)  
MACM 101: Discrete Mathematics.

**Sharif University of Technology**, Tehran, Iran

- *Teaching Assistantship* (2003 - 2005)  
CE 254: Data Structure and Algorithms. CE 354: Design and Analysis of Algorithms.

**Shahid Beheshti University**, Tehran, Iran

- *Teaching Assistantship* (2004)  
Automata Theory

PUBLICATIONS

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

- Mechanisms for hiring a team, Computer Science Department, University of California, Los Angeles, November 2007.

EXTRACURRICULAR  
CONTRIBUTION

**Positions**

- Programming Director, International Student Assembly (ISA) at USC. 2007-08.
- President, Iranian Graduate Student Association (IGSA) at USC 2006-07.

**Awards**

- Young Leader Award, NIPOC 2007
- Multiple Prize Winner in Classical Guitar Performance, FADJR International Music Festival, Tehran, Iran, (2000-2001)

TECHNICAL SKILLS

- Proficient in C(++), Java
- Familiar with Maple, Java Script, Prolog, Verilog,

LANGUAGE

- **English:** Fluent
- **Persian:** Native Speaker
- **Spanish :** Familiar

REFERENCES

- Available upon Request