

CURRICULUM VITAE

Mohammad Ghodsi

Computer Engineering Department
Sharif University of Technology
P.O. Box 11155-9715, Tehran, Iran
Tel: 98 21 6616-6625, Fax: 98 21 601-9246
ghodsi@sharif.edu, (<http://sharif.edu/~ghodsi>)

July 16, 2017

Education

- 1985-89 Ph.D. in Computer Science, The Pennsylvania State University, University Park, PA, U.S.A.
- 1976-78 M.S. in Electrical Engineering and Computer Science, University of California, Berkeley, California, U.S.A.
- 1971-75 B.S. in Electrical Engineering, Sharif University of Technology, Tehran, Iran.

Professional Responsibilities

- Professor [2005-..], Associate Professor [2000-05], and Assistant Professor [1989-00], Computer Engineering Department, Sharif University of Technology, Tehran, Iran.
- Chairman [1995-96], Vice Chairman on Graduate Studies [1989-95, 99-00], Director of Software Group [1998-99, 2004-..], Computer Engineering Department, Sharif University of Technology, Tehran, Iran.
- 1999-.. Tehran Site Director, ACM International Collegiate Programming Contest
- 1996-97 Research Visitor, Stanford University, Department of MS&E [2011], PARADIGM group, School of Computer Science, Carleton University, Ottawa, Canada [2006-2007]
- 1992-.. Iran National Olympiad on Informatics (INOI)
 - Director of INOI committee [1993-2010] and the team leader in IOI's [1992-2002],
 - IC Elected Member [1996-98]
 - ISC Elected Member [1999-2000]

Other Responsibilities

- 2001-.. Member of Promotion and Recruitment Committee, Sharif University of Technology
- 1995-..., 1997-..., 2000-..., Member of Editorial Board, SCIENTIA IRANICA, CSI JOURNAL ON COMPUTER SCIENCE AND ENGINEERING MODARRES JOURNAL
- 1998-00 Founding member, President of Computer Society of Iran, and vice president [2000-06]
- 1995-.. Scientific Committee Chair, CSI Computer Conference (CSICC'95, CSICC'99, CSICC'02)

Research Areas

Computational Geometry, Efficient Data Structures and Algorithms, Parallel and Multicore Algorithms

Publications

International Journals

47 papers.

International Conferences

82 papers.

Iranian Conferences

59 papers.

Books

(in Persian)

1. Mohammad Ghodsi, Aideen Nassiri-Shargh, *Multiple-Choice Problems in Data Structures and Algorithms*, 2012
2. Mohammad Ghodsi, *Data Structures and Fundamentals of Algorithms*, Fatemi Pub. Co., September 2009, chosen as one of the "books of the season," Dec. 2009.
3. Mohammad Ghodsi, Yashar Ganjali, *Algorithmic Puzzles*, Fatemi Pub. Co., (1st Ed.) 2004, (2nd Ed.) Oct., 2009.
4. M. Ghodsi and M. Mahdian *Algorithmic Problems: Programming and Theoretical, Vol I*, Fatemi Pub. Co., 3rd Ed. 2009 .
5. *Computer Networks*, A. S. Tanenbaum (translation), High Council of Informatics, 1995
6. Mohammad Ghodsi, *Design and Analysis of Algorithms*, under preparation.

Students

I have so far supervised 10 PhDs, 74 graduate (MSc) students and over 100 Bsc students. I am currently supervising 5 more PhD students.

Courses Regularly Taught

- Data Structures and Fundamentals of Algorithms,
- Design and Analysis of Algorithms,
- Parallel Processing,
- Advanced Algorithms,
- Computational Geometry

Other Courses Taught

Performance Evaluation of Computer Systems, Networks Softwares, Design and Analysis of Algorithms, Design and Analysis of Parallel Algorithms, Advanced Topics in Problem Solving, (*all at M.S. level*). Discrete Structures, Operating Systems, Advanced Topics in Software Engineering: \TeX and the family, Fundamentals of Computers and Programming, (*at B.S. level*).

Honors and Awards

- “Life-time achievement award” by Sharif Alumni Association, 2016.
- Awarded the ACM/ICPC 2010 and 2016 Asia Outstanding Contribution Award.
- Recognized by Amir Kabir University of Technology as the “Professor of Algorithms”, 2014.
- Awarded for writing “Data Structures and Fundamentals of Algorithms” which was chosen as one of the “books of the season,” Dec. 2009.
- Recognized by Sharif University of Technology as 1386 (2007-8) Distinguished Lecturer of Computer Eng. Dept., Sharif University of Technology.
- Honored by President Khatami for contributions to the community, July, 2005.
- Recognized by Sharif University of Technology as 1381 (2002-3) Distinguished Researcher of Computer Eng. Dept., Sharif University of Technology.
- Recognized by Ministry of Culture and Higher Education as 1993 and 1999 Distinguished Professor of Computer Eng. Dept., Sharif University of Technology.
- Awarded by Ministry of Education for the general leadership of the teams of Iranian high school students that take part in the yearly programming contests of International Olympiad of Informatics (IOI) since 1992.