

Xin Li

Department of Computer Sciences
University of Texas at Austin
Austin, Texas 78712

Email: lixints@cs.utexas.edu
Phone: (512) 554-4342

RESEARCH INTERESTS

The role of randomness in computation, extractors, complexity theory, coding theory, distributed computing, combinatorics.

EDUCATION

University of Texas at Austin, Austin, Texas, USA

Ph.D. student in Department of Computer Sciences, 2005—present
Advisor: David Zuckerman

Tsinghua University, Beijing, China

M.S. in Computer Science, 2002—2005

Tsinghua University, Beijing, China

B.S. in Computer Science, 1998—2002

COURSES TAKEN

Fall 2007: Computational Learning Theory

Spring 2007: Information Theory, Data Mining: A Statistical Learning Perspective

Fall 2006: Database Management, Randomized Algorithms

Spring 2006: Artificial Intelligence, Algorithms: Techniques & Theory

Fall 2005: Distributed Computing I, Combinatorics And Graph Theory

HONORS AND AWARDS

First Class Scholarship --- Tsinghua University, 2001

Lucent Global Science Scholarship --- Lucent Technology, 2000

First Class Scholarship --- Tsinghua University, 1999

First Prize in the Mathematical Competition of college students in Beijing --- Beijing, 1999

First Prize in the National Mathematical Competition of high school students--- China, 1997

PROFESSIONAL EXPERIENCE

Research Assistant

For David Zuckerman, UT Austin (2007—present)
Working on randomness in computation and other related problems in theoretical computer science

Teaching Assistant

University of Texas at Austin (2005—2007)
Courses: Analysis of programs, Automata theory, Combinatorics and Graph Theory (Graduate)

JOURNAL REFEREEING

SIAM Journal on Computing (SICOMP)

PUBLICATIONS

1. Yael Tauman Kalai, Xin Li, Anup Rao and David Zuckerman, *Network Extractors Protocols*, FOCS 2008

2. Runyao Duan, Yuan Feng, Xin Li and Mingsheng Ying,
Multiple-copy entanglement transformation and entanglement catalysis, Physical Review A (Atomic, Molecular, and Optical Physics), 2005, 71(4): 042319
3. Runyao Duan, Yuan Feng, Xin Li and Mingsheng Ying,
Trade-off between multiple-copy transformation and entanglement catalysis, Physical Review A (Atomic, Molecular, and Optical Physics), 2005, 71(6): 062306
4. Xin Li, Luo Sun, Linmi Tao, Guangyou Xu and Ying Jia,
A Speaker Tracking Algorithm Based on Audio and Visual Information Fusion Using Particle Filter, ICIAR 2004 (International Conference of Image Analysis and Recognition), Porto, Portugal, 2004, LNCS 3211, pp. 572-580