

# Siddharth Suri

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RESEARCH INTERESTS	Social Networks, Algorithmic Game Theory	
POSTDOC	<b>Cornell University</b> Postdoctoral Researcher, January 2007 - Present Supervisor: Jon Kleinberg	
EDUCATION	<b>University of Pennsylvania</b> Ph.D. Computer & Information Science, January 2007 Advisor: Michael Kearns Thesis: The Effects of Network Topology on Strategic Behavior Nominated by the Department of C.I.S. for the 2007 ACM Doctoral Dissertation Award  <b>Stanford University</b> M.S. Computer Science, June 2000 Specialization: Theoretical Computer Science  <b>University of Pennsylvania</b> B.S.E. <i>cum laude</i> , May 1999 Double Major: Computer Science, Mathematics	
JOURNAL PUBLICATIONS	<b>An Experimental Study of the Coloring Problem on Human Subject Networks</b> M. Kearns, S. Suri, and N. Montfort Science, 313(5788):824–827, August 2006  <b>On Graph Problems in a Semi-Streaming Model</b> J. Feigenbaum, S. Kannan, A. McGregor, S. Suri, and J. Zhang Theoretical Computer Science – Special Issue, 348(2–3):207–216, December 2005	
BOOK CHAPTER	<b>Computational Evolutionary Game Theory</b> S. Suri editors: N. Nisan, T. Roughgarden, É. Tardos, and V. Vazirani <i>Algorithmic Game Theory</i> , chapter 29, pages 717–736 Cambridge University Press, 2007	
CONFERENCE PUBLICATIONS	<b>Feedback Effects between Similarity and Social Influence in Online Communities</b> D. Crandall, D. Cosley, D. Huttenlocher, J. Kleinberg, and S. Suri Knowledge Discovery & Data Mining (KDD) 2008  <b>Strategic Network Formation with Structural Holes</b> J. Kleinberg, S. Suri, É. Tardos, and T. Wexler Electronic Commerce (EC) 2008  <b>A Network Formation Game for Bipartite Exchange Economies</b> E. Even-Dar, M. Kearns, and S. Suri Symposium on Discrete Algorithms (SODA) 2007	

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## **Networks Preserving Evolutionary Equilibria and the Power of Randomization**

M. Kearns and S. Suri

Electronic Commerce (EC) 2006

## **Graph Distances in the Streaming Model: The Value of Space**

J. Feigenbaum, S. Kannan, A. McGregor, S. Suri, and J. Zhang

Symposium on Discrete Algorithms (SODA) 2005

## **Economic Properties of Social Networks**

S. Kakade, M. Kearns, L. Ortiz, R. Pemantle, and S. Suri

Neural Information Processing Systems (NIPS) 2004

## **On Graph Problems in a Semi-Streaming Model**

J. Feigenbaum, S. Kannan, A. McGregor, S. Suri, and J. Zhang

International Colloq. on Automata, Languages and Programming (ICALP) 2004

### MANUSCRIPTS

## **Graph Distances in the Data Stream Model**

J. Feigenbaum, S. Kannan, A. McGregor, S. Suri, and J. Zhang

Under Review at SIAM Journal on Computing

### INDUSTRY EXPERIENCE

## **AT&T Research - Shannon Laboratory**

Consultant, Summer 2000

Supervisor: Kiem-Phong Vo

- Created, implemented, and analyzed a data differencing algorithm that encodes differences between  $1/10$  and  $1/2$  the size of the current state of the art.
- Studied various methods of adaptive dictionary encoding for data compression and data differencing, especially the Lempel-Ziv and vdelta algorithms.

## **Microsoft Corporation**

Software Developer in Test - Intern, Summer 1999

- Built an event log management tool for Windows 2000.

## **Microsoft Corporation**

Software Developer in Test - Intern, Summer 1998

- Designed and coded a test tool for an implementation of the H.323 audio/video/data teleconferencing protocol for Windows 2000.

## **Harris Corporation**

Software Engineer - Intern, Summer 1997

- Developed and debugged network fault management software, Harris Network Management 3.1.

### TALKS & SEMINARS

## **Measuring the Influence of Neighbors in Social Networks**

Schloss Dagstuhl

Computational Social Systems and the Internet

July 3, 2007

## **An Experimental Study of the Coloring Problem on Human Subject Networks**

Hobart and William Smith Colleges

Computer Science Colloquium

April 26, 2007

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## **An Experimental Study of the Coloring Problem on Human Subject Networks**

Cornell University  
Institute for the Social Sciences Seminar  
January 31, 2007

## **The Effect of Network Topology on Equilibria in Market and Evolutionary Games**

Yahoo! Research  
July 27, 2006

HONORS & AWARDS      Thesis nominated by the Univ. of Penn. for the 2007 ACM Doctoral Dissertation Award  
1st place at the 7th ACM International Student Research Contest, 1999  
2nd place at the AT&T Student Research Symposium, 1998

DEPARTMENTAL SERVICE      Graduate Student Representative, 2002 - 2003  
Prospective Student Weekend Organizer, 2002 - 2003  
T.G.I.F. (Departmental Social) Creator and Organizer, 2001 - 2003

TEACHING EXPERIENCE      **C.I.S. 502: Analysis of Algorithms**  
Teaching Assistant, Spring 2002  
University of Pennsylvania

**C.S.E. 262: Automata, Computability and Complexity**  
Teaching Assistant, Fall 2001  
University of Pennsylvania

REFERENCES      **Michael Kearns**  
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New York, NY 10018

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Ithaca, NY 14853