

# Siddharth Suri

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CONTACT INFORMATION	Yahoo! Research 111 W. 40th St., 17th Floor New York, NY 10018	cell: 267.226.5666 sidsuri@ymail.com www.sidsuri.com
RESEARCH INTERESTS	Social Networks, Algorithmic Game Theory	
POSITIONS HELD	<b>Yahoo! Research</b> Research Scientist, August 2008 - Present Human and Social Dynamics Group Manager: Duncan Watts  <b>Cornell University</b> Postdoctoral Researcher, January 2007 - August 2008 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>Graph Distances in the Data-Stream Model</b> J. Feigenbaum, S. Kannan, A. McGregor, S. Suri, and J. Zhang SIAM Journal on Computing, 38(5):1709–1727, December 2008  <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>Sequential Influence Models in Social Networks</b> D. Cosley, D. Huttenlocher, J. Kleinberg, X. Lan and S. Suri International AAAI Conference on Weblogs and Social Media (ICWSM) 2010  <b>A Model of Computation for MapReduce</b> H. Karloff, S. Suri, and S. Vassilvitskii Symposium on Discrete Algorithms (SODA) 2010	

## **Dynamics in Network Interaction Games**

M. Hoefer and S. Suri

International Symposium on Distributed Computing (DISC) 2009

## **Feedback Effects between Similarity and Social Influence in Online Communities**

D. Crandall, D. Cosley, D. Huttenlocher, J. Kleinberg, and S. Suri

Knowledge Discovery & Data Mining (KDD) 2008

## **Strategic Network Formation with Structural Holes**

J. Kleinberg, S. Suri, É. Tardos, and T. Wexler

Electronic Commerce (EC) 2008

## **A Network Formation Game for Bipartite Exchange Economies**

E. Even-Dar, M. Kearns, and S. Suri

Symposium on Discrete Algorithms (SODA) 2007

## **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

## PROGRAM COMMITTEES

International AAAI Conference on Weblogs and Social Media (ICWSM) 2010

International AAAI Conference on Weblogs and Social Media (ICWSM) 2009

ACM Conference on Electronic Commerce (EC) 2009

## TALKS & SEMINARS

### **A Behavioral Study of Public Goods Over Networks**

M.I.T. Sloan School of Management

Social Dynamics Seminar

November 16, 2009

### **Strategic Network Formation with Structural Holes**

University of California, San Diego

Behavioral, Social, and Computer Sciences Seminar Series

December 11, 2008

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

Schloss Dagstuhl

Computational Social Systems and the Internet

July 3, 2007

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

Hobart and William Smith Colleges

Computer Science Colloquium

April 26, 2007

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

Cornell University

Institute for the Social Sciences Seminar

January 31, 2007

### INTERNSHIPS

#### **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.

### 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

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### REFERENCES

**Michael Kearns**

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Philadelphia, PA 19104-6389

phone: 215.898.7888  
mkearns@cis.upenn.edu

**Jon Kleinberg**

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Cornell University  
4130 Upson Hall  
Ithaca, NY 14853

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**Duncan Watts**

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