

# Siddharth Suri

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CONTACT INFORMATION	Microsoft Research One Microsoft Way Redmond, WA 98052	phone: +1.917.472.8230 suri@microsoft.com www.sidsuri.com
POSITIONS HELD	<b>Microsoft Research</b> Senior Principal Researcher, September 2020 – present Principal Researcher, September 2013 – September 2020 Senior Researcher, May 2012 – September 2013  <b>Yahoo! Research</b> Research Scientist, August 2008 – April 2012 Human and Social Dynamics Group  <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	
BOOK	<b>Ghost Work: How to Stop Silicon Valley from Building a New Global Underclass</b> Mary L. Gray and Siddharth Suri Houghton Mifflin Harcourt, May 7, 2019 McGannon Center Book Prize 2019 Best Books of 2019, Financial Times ASA Communications, IT, and Media Sociology Book Award, Honorable Mention, 2020	
JOURNAL PUBLICATIONS	<b>The Effects of Remote Work on Collaboration Among Information Workers</b> L. Yang, D. Holtz, S. Jaffe, S. Suri, S. Sinha, J. Weston, C. Joyce, N. Shah, K. Sherman, B. Hecht, and J. Teevan Nature Human Behavior, September 2021.  <b>Monopsony in Online Labor Markets</b> A. Dube, J. Jacobs, S. Naidu, and S. Suri American Economic Review: Insights, 2(1):33–46, March 2020.  <b>Learning When to Stop Searching</b> D. G. Goldstein, R. P. McAfee, S. Suri, and J. R. Wright Management Science, August 2019.  <b>Resilient Cooperators Stabilize Long-Run Cooperation in the Finitely Repeated Prisoner’s Dilemma</b> A. Mao, L. Dworkin, S. Suri and D. J. Watts Nature Communications, 8(13800), January 2017.	

## **An Experimental Study of Team Size and Performance on a Complex Task**

A. Mao, W. Mason, S. Suri, and D. J. Watts  
PLoS ONE 11(4), April 2016

## **Accounting for Market Frictions and Power Asymmetries in Online Labor Markets**

S. C. Kingsley, M. L. Gray and S. Suri  
Policy & Internet 7(4):383–400, December 15, 2015

## **The Economic and Cognitive Costs of Annoying Display Advertisements**

D. G. Goldstein, S. Suri, R. P. McAfee, M. Ekstrand-Abueg, and F. Diaz  
Journal of Marketing Research 51(6):742–752, December 2014

**Finalist for the Paul E. Green Award**

## **Cooperation and Assortativity with Dynamic Partner Updating**

Jing Wang, S. Suri, and D. Watts  
Proceedings of the National Academy of Sciences, 109(36):14363–14368, Aug. 17, 2012

## **Dynamics in Network Interaction Games**

M. Hoefer and S. Suri  
Distributed Computing 25(5):359-370, 2012

## **Conducting Behavioral Research on Amazon’s Mechanical Turk**

W. Mason and S. Suri  
Behavior Research Methods, 44(1):1–23, March 2012

## **A Study of Cooperation and Contagion in Web-Based, Networked Public Goods Experiments**

S. Suri and D. Watts  
PLoS ONE 6(3), March, 2011

## **Inferring Social Ties from Geographic Coincidences**

D. Crandall, L. Backstrom, D. Cosley, S. Suri, D. Huttenlocher, and J. Kleinberg  
Proceedings of the National Academy of Sciences, 107(52):22436–22441, Dec. 28, 2010

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

J. Feigenbaum, S. Kannan, A. McGregor, S. Suri, and J. Zhang  
SIAM Journal on Computing, 38(5):1709–1727, December 2008

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

M. Kearns, S. Suri, and N. Montfort  
Science, 313(5788):824–827, August 2006

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

J. Feigenbaum, S. Kannan, A. McGregor, S. Suri, and J. Zhang  
Theoretical Computer Science – Special Issue, 348(2–3):207–216, December 2005

## **How Much Do Platform Workers Value Reviews?**

### **An Experimental Method**

D. Holtz, L. Scult, and S. Suri  
SIGCHI Conference on Human Factors in Computing Systems (CHI) 2018

## **Quantifying the Invisible Labor in Crowd Work**

### **Hiring Freelancers**

C. Toxtli, S. Suri, and S. Savage  
The 24th ACM Conference on Supported Cooperative Work and Social Computing (CSCW) 2021 2008

**Impact Recognition Award**

CONFERENCE  
PUBLICATIONS

**Stuck in the middle with you: The Transaction Costs of Corporate Employees Hiring Freelancers**

C. Lustig, S. Rintel, L. Scult, and S. Suri

The 23rd ACM Conference on Supported Cooperative Work and Social Computing (CSCW) 2020

**What You See is What You Get? The Impact of Representation Criteria on Human Bias in Hiring**

A. Peng, B. Nushi, E. Kiciman, K. Inkpen, S. Suri, and E. Kamar

The 7th AAAI Conference on Human Computation and Crowdsourcing (HCOMP) 2019

**More Than Money: Correlation Among Worker Demographics, Motivations, and Participation in Online Labor Markets**

W. Chen, S. Suri, and M. L. Gray

International AAAI Conference on Web and Social Media (ICWSM) 2019

**Running Out of Time: The Impact and Value of Flexibility in On-Demand Crowdwork**

M. Yin, S. Suri, and M. L. Gray

SIGCHI Conference on Human Factors in Computing Systems (CHI) 2018

**Learning in the Repeated Secretary Problem**

D. G. Goldstein, R. P. McAfee, S. Suri, and J. R. Wright

Economics and Computation (EC) 2017

**VoxPL: Programming with the Wisdom of the Crowd**

D. W. Barowy, E. D. Berger, D. G. Goldstein and S. Suri

SIGCHI Conference on Human Factors in Computing Systems (CHI) 2017

**The Communication Network Within the Crowd**

M. Yin, M. L. Gray, S. Suri, and J. W. Vaughan

International World Wide Web Conference (WWW) 2016

**The Crowd is a Collaborative Network**

M. L. Gray, S. Suri, S. S. Ali, and D. Kulkarni

Computer-Supported Cooperative Work and Social Computing (CSCW) 2016

**Incentivizing High Quality Crowdwork**

C. Ho, A. Slivkins, S. Suri, and J. W. Vaughan

International World Wide Web Conference (WWW) 2015

**Nominated for Best Paper Award**

**Long-Run Learning in Games of Cooperation**

W. Mason, S. Suri, and D. Watts

Economics and Computation (EC) 2014

**The Wisdom of Smaller, Smarter Crowds**

D. G. Goldstein, R. P. McAfee, and S. Suri

Economics and Computation (EC) 2014

**Empirical Agent Based Models of Cooperation in Public Goods Games**

M. Wunder, S. Suri, and D. Watts

Electronic Commerce (EC) 2013

**The Cost of Annoying Ads**

D. G. Goldstein, R. P. McAfee, and S. Suri

International World Wide Web Conference (WWW) 2013

**Improving the Effectiveness of Time-Based Display Advertising**

D. G. Goldstein, R. P. McAfee, and S. Suri  
Electronic Commerce (EC) 2012

**Best Paper Award**

**Cooperation and Assortativity with Endogenous Partner Selection**

J. Wang, S. Suri, and D. Watts  
Electronic Commerce (EC) 2012

**Top 10% Paper Award**

**Honesty in an Online Labor Market**

S. Suri, D. G. Goldstein, and W. Mason  
Human Computation Workshop (HCOMP) 2011

**The Effects of Exposure Time on Memory of Display Advertisements**

D. G. Goldstein, R. P. McAfee, and S. Suri  
Electronic Commerce (EC) 2011

**Filtering: A Method for Solving Graph Problems in MapReduce**

S. Lattanzi, B. Moseley, S. Suri, and S. Vassilvitskii  
Symposium on Parallelism in Algorithms and Architectures (SPAA) 2011

**Counting Triangles and the Curse of the Last Reducer**

S. Suri and S. Vassilvitskii  
International World Wide Web Conference (WWW) 2011

**Sequential Influence Models in Social Networks**

D. Cosley, D. Huttenlocher, J. Kleinberg, X. Lan, and S. Suri  
International AAAI Conference on Weblogs and Social Media (ICWSM) 2010

**A Model of Computation for MapReduce**

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

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## **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

### BOOK CHAPTERS

## **Societal Implications**

S. Suri and H. Wolf

editors: J. Teevan, B. Hecht and S. Jaffe

*The New Future of Work: Research from Microsoft on the Impact of the Pandemic on Work Practices*, chapter 6, pages 46-54, Microsoft, 2021

## **Computational Evolutionary Game Theory**

S. Suri

editors: N. Nisan, T. Roughgarden, É. Tardos, and V. Vazirani

*Algorithmic Game Theory*, chapter 29, pages 717-736  
Cambridge University Press, 2007

### MEDIA

### PUBLICATIONS

## **Who Gets to Work in the Digital Economy?**

S. Counts, S. Suri, A. Brown, B. Xu, and S. Raghavan  
Harvard Business Review, August 4, 2022

## **The Future of Information Work**

L. Yang, D. Holtz, S. Jaffe, and S. Suri

Communications of the ACM 65(7), July 2022

## **The Humans Working Behind the AI Curtain**

M. Gray, and S. Suri

Harvard Business Review, January 9, 2017

## **Computing with the Crowd**

S. Suri

Communications of the ACM 59(6), June 2016

### HONORS & AWARDS

ACM Computer-Supported Cooperative Work & Social Computing (CSCW) 2021 Impact Recognition

ASA Communications, IT, and Media Sociology Book Award, Honorable Mention, 2020

McGannon Center Book Prize 2019

Best Books of 2019, Financial Times

International World Wide Web Conference (WWW) 2015, Nominated for Best Paper Award

Journal of Marketing Research, Finalist for the 2015 Paul E. Green Award

ACM Conference on Electronic Commerce (EC) 2012, Best Paper Award

ACM Conference on Electronic Commerce (EC) 2012, Top 10% Paper Award

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

### EDITORIAL BOARDS

Associate Editor, ACM Transactions on Economics and Computation (TEAC), 2015 –

### SENIOR PROGRAM

Conference on Human Computation (HComp) 2013, 2014, 2016, 2019, 2021

### COMMITTEES

ACM Conference on Economics and Computation (EC) 2013, 2014, 2015, 2017, 2020, 2022

ACM Web Science (WebSci) 2012

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PROGRAM	International World Wide Web Conference (WWW) 2011, 2012, 2014, 2015, 2017
COMMITTEES	ACM Conference on Electronic Commerce (EC) 2009, 2012, 2016 Conference on Human Computation (HComp) 2013, 2014 Conference on Human Computation (HComp) Doctoral Consortium 2014 CrowdConf 2013 Neural Information Processing Systems (NIPS) 2011 International AAAI Conference on Weblogs and Social Media (ICWSM) 2009, 2010
WORKSHOPS ORGANIZED	Crowdsourcing and Online Behavioral Experiments (COBE) 2016 (part of WWW 2016) Crowdsourcing and Online Behavioral Experiments (COBE) 2015 (part of EC 2015) Crowdsourcing and Online Behavioral Experiments (COBE) 2014 (part of EC 2014) Crowdsourcing and Online Behavioral Experiments (COBE) 2013 (part of EC 2013)
TUTORIALS	How, When and Why to Conduct Online Behavioral Experiments (part of WINE 2013) Conducting Behavioral Research Using Amazon's Mechanical Turk (part of EC 2011)
INVITED TALKS	<b>Ghost Work: The Labor that Powers AI</b> Univ. of California, Berkeley, Haas School of Business, MORS Colloquium, Dec. 6, 2022 University of Michigan, School of Information, Data Science Seminar, Oct. 13, 2022 Tufts University, Science, Technology, and Society Seminar, Sept. 17, 2021 MIT Initiative on the Digital Economy Seminar, March 18, 2021 Harvard Business School, Technology and Operations Management Seminar, Nov. 19, 2020 Univ. of Washington, iSchool Research Symposium, April 27, 2020 EPFL, Computational Social Science & Economics Seminar, Feb. 28, 2020 University of Zurich, Brown Bag Lunch, Feb. 26, 2020 Fear and Wonder 3: Futures of AI Symposium, November 20, 2019 Conference on Information Systems and Technology (CIST), Keynote, Oct. 19, 2019  <b>Advances in AI and the Future of Work: Perspectives and Discussion</b> Microsoft Research AI, Panel Discussion January 14, 2019  <b>The Collaboration and Communication Networks Within the Crowd</b> Collective Intelligence 2016, Plenary Talk June 3, 2016  <b>How to Design and Execute Productive, Interdisciplinary Research Projects (without killing your collaborators in the process)</b> Harvard University, Department of Sociology, Mixed Methods Workshop March 25, 2016  <b>The Collaboration and Communication Networks Within the Crowd</b> Crowdsourcing, Big Data, and Social Media in the Behavioral Sciences, UC Irvine, December 3–4, 2015  <b>How Can Theoretical Computer Science Inform Social Computing?</b> CCC Workshop on Theoretical Foundations for Social Computing, June 29–30, 2015

## **Cooperation in Static and Dynamic Networks**

Oxford University, CESS Workshop on Innovations in Online Experiments, March 13, 2015  
Rutgers University, School of Communication and Information, March 10, 2015  
Rutgers University, Center for Cognitive Science, September 30, 2014  
Boston University, Dept. of Information Systems, February 21, 2014  
Yale University, Institute for Network Science, February 19, 2014  
Northwestern University, CS Theory Seminar, April 29, 2013  
Middlebury College, March 13, 2013  
U. Texas, Austin, iSchool Seminar Series, March 22, 2012  
U. Michigan, Ann Arbor, Center for the Study of Complex Systems, March 20, 2012  
U. Mass. Amherst, Computational Social Science Initiative, February 24, 2012  
RPI, Computer Science Colloquium, February 23, 2012

## **Cooperation and Assortativity with Endogenous Partner Selection**

Stanford, Research on Algorithms and Incentives in Networks Seminar, February 15, 2012

## **A Study of Cooperation and Contagion in Web-Based, Networked Public Goods Experiments**

Cornell, Getting Connected: Social Science in the Age of Networks, March 9, 2011  
USC, Game Theory and Human Behavior Seminar, February 22, 2011  
Harvard, Economics and Computer Science Seminar, December 2, 2010

## **Conducting Behavioral Research on Amazon's Mechanical Turk**

NYU Stern School of Business, November 16, 2010

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

MIT Sloan School of Management, Social Dynamics Seminar, November 16, 2009

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

UCSD, Behavioral, Social, and Computer Sciences Seminar Series, December 11, 2008

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

Hobart and William Smith Colleges, Computer Science Colloquium, April 26, 2007  
Cornell University, Institute for the Social Sciences Seminar, January 31, 2007

## REFERENCES

### **Daniel G. Goldstein**

Microsoft Research  
New York City  
dgg@microsoft.com

### **Michael Kearns**

Dept. of Computer & Information Science  
University of Pennsylvania  
mkearns@cis.upenn.edu

### **Jon Kleinberg**

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## Siddharth Suri

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