Siddharth Suri

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Positions Held

Microsoft Research
Senior Principal Researcher, September 2020 – present
Principal Researcher, September 2013 – September 2020
Senior Researcher, May 2012 – September 2013

Yahoo! Research
Research Scientist, August 2008 – April 2012
Human and Social Dynamics Group

Cornell University
Postdoctoral Researcher, January 2007 – August 2008
Supervisor: Jon Kleinberg

Education

University of Pennsylvania
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

Stanford University
M.S. Computer Science, June 2000
Specialization: Theoretical Computer Science

University of Pennsylvania
B.S.E. *cum laude*, May 1999
Double Major: Computer Science, Mathematics

Book

Ghost Work: How to Stop Silicon Valley from Building a New Global Underclass
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

The Effects of Remote Work on Collaboration Among Information Workers
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.

Monopsony in Online Labor Markets
A. Dube, J. Jacobs, S. Naidu, and S. Suri
American Economic Review: Insights, 2(1):3346, March 2020.

Learning When to Stop Searching
D. G. Goldstein, R. P. McAfee, S. Suri, and J. R. Wright
Management Science, August 2019.

Resilient Cooperators Stabilize Long-Run Cooperation in the Finitely Repeated Prisoner's Dilemma
A. Mao, L. Dworkin, S. Suri and D. J. Watts
Nature Communications, 8(13800), January 2017.

Computing with the Crowd
S. Suri
Communications of the ACM 59(6), June 2016

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

Conference Publications

Quantifying the Invisible Labor in Crowd Work
Hiring Freelancers
C. Toxli, S. Suri, and S. Savage
The 24th ACM Conference on Supported Cooperative Work and Social Computing (CSCW) 2021

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

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

Honors & Awards

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 Committees

Conference on Human Computation (HComp) 2013, 2014, 2016, 2019
ACM Conference on Economics and Computation (EC) 2013, 2014, 2015, 2017, 2020
ACM Web Science (WebSci) 2012

Program Committees

International World Wide Web Conference (WWW) 2011, 2012, 2014, 2015, 2017
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

Ghost Work: The Labor that Powers AI
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

Advances in AI and the Future of Work: Perspectives and Discussion
Microsoft Research AI, Panel Discussion
January 14, 2019

The Collaboration and Communication Networks Within the Crowd
Collective Intelligence 2016, Plenary Talk
June 3, 2016

How to Design and Execute Productive, Interdisciplinary Research Projects (without killing your collaborators in the process)
Harvard University, Department of Sociology, Mixed Methods Workshop
March 25, 2016

The Collaboration and Communication Networks Within the Crowd
Crowdsourcing, Big Data, and Social Media in the Behavioral Sciences,
UC Irvine, December 3–4, 2015

How Can Theoretical Computer Science Inform Social Computing?
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

Siddharth Suri

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
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Michael Kearns
Dept. of Computer & Information Science
University of Pennsylvania
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Cornell University
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Dept. of Computer & Information Science
University of Pennsylvania
djwatts@seas.upenn.edu