

Curriculum Vitae

Duncan J. Watts

University of Pennsylvania
3401 Walnut St, 459C
Philadelphia, PA 19104

<http://everythingisobvious.com>

<http://scholar.google.com/citations?user=LhOaiXMAAAAJ&hl=en&oi=ao>

Education

Ph.D. 1997 Cornell University (Theoretical and Applied Mechanics)
Dissertation Title: *The Structure and Dynamics of Small-World Systems*

B.Sc. (Hons, 1st class) 1991 University College, University of New South Wales, Australian
Defence Force Academy (Physics).

Employment

2019-	Stevens University Professor at the University of Pennsylvania, and Professor in Department of Computer and Information Science, Annenberg School of Communication, and Operations, Information and Decisions Department, Wharton School of Business
2019-	Inaugural Rowan Fellow, Wharton School of Business
2012-2019	Principal Researcher and Partner, Microsoft
2007-2012	Principal Research Scientist, Yahoo! Research
2006-2009	Professor of Sociology, Columbia University
2003-2006	Associate Professor (with tenure), Sociology, Columbia University
2002-2003	Associate Professor (without tenure), Sociology, Columbia University
2002-2007	Director, Collective Dynamics Group
2000-2002	Assistant Professor, Department of Sociology, Columbia University.
1999-2000	Postdoctoral fellow, Sloan School of Management, MIT.
1998-1999	Postdoctoral fellow, Santa Fe Institute
1997-1998	Postdoctoral fellow, Lazarsfeld Center for the Social Sciences, Columbia University
1993-1997	Teaching assistant and research assistant, Department of Theoretical and Applied Mechanics, Cornell University
1991-1993	Sub-Lieutenant, Royal Australian Navy
1988-1991	Midshipman, Royal Australian Navy

Honors and Awards

2018 Elected as inaugural [Fellow of the Network Science Society](#)

2018 Newman, Strogatz, and Watts (2001). "Random graphs with arbitrary degree distributions and their applications" listed as one of 50 significant papers in the [125-year history of Physical Review](#)

2015 Newman, Strogatz, and Watts (2001). “Random graphs with arbitrary degree distributions and their applications” named “milestone paper” by *Physical Review*
2014 Everett Rogers Award
2013 Lagrange-CRT Foundation Prize
2013 AD White Professor at Large, Cornell University
2009 German Physical Society Young Scientist Award for Socio- and Econophysics.
2001 NSF Career Award
1999 ASA award for best paper in Mathematical Sociology
1996 H. D. Block teaching award, Department of Theoretical and Applied Mechanics, Cornell University

Professional

2019 – present Member, NSF Advisory Committee for Cyberinfrastructure
2017 – present Member, NSF Advisory Committee for Social, Behavioral, and Economic Sciences Directorate
2015 – present Board Member, Pew Research Center
2017 Member, National Academy of Sciences Committee on the Value of the Social, Behavioral, and Economic Sciences to National Priorities
2005 – 2008 Member, Information Science and Technology Advisory Committee, DARPA
2005 Member, National Academy of Sciences Committee on Network Science for Future Army Applications

Publications

Books

Duncan J. Watts. *Everything is Obvious**: Once You Know the Answer (Crown Business, 2011).

See <http://everythingisobvious.com/reviews/> for reviews in the *New York Times*, *Wall Street Journal*, *Financial Times*, *Harvard Business Review* and others.

M. E. J. Newman, A. L. Barabasi, and Duncan J. Watts (Eds). *The Structure and Dynamics of Complex Networks* (Princeton University Press, Princeton, 2006).

Duncan J. Watts. *Six Degrees: The Science of a Connected Age*. (Norton, New York, 2003).

Duncan J. Watts. *Small Worlds: The Dynamics of Networks between Order and Randomness* (Princeton University Press, Princeton, 1999).

Book Chapters

D. J. Watts The Common Sense Presidency. In Sunstein, C. R. (ed) *Can it Happen Here? Authoritarianism in America* (Harper Collins, 2018)

D. J. Watts. Small-world Graphs. In A. Galeotti, Y. Bramouille, and B. Rogers (eds) *Oxford Handbook on the Economics of Networks* (Oxford University Press, 2016)

M. J. Salganik and D. J. Watts. The puzzling nature of success in cultural markets: Four micro-macro experiments. Chapter 14 in P. Hedstrom and P. S. Bearman (eds), *Oxford Handbook of Analytical Sociology*, p315-341 (Oxford University Press, 2009)

P. S. Dodds and D. J. Watts. Threshold models of social influence processes. Chapter 20 in P. Hedstrom and P. S. Bearman (eds), *Oxford Handbook of Analytical Sociology*, p. 475-497 (Oxford University Press, 2009)

D. J. Watts. The Collective Dynamics of Belief. Chapter 10 in V. Nee and R. Swedberg (eds). *On Capitalism* (Stanford University Press, 2007).

D. J. Watts. Small-World Networks, in S. Durlauf and L. Blume (eds), *New Palgrave Dictionary of Economics, 2nd Edition* (Palgrave Macmillan, 2009).

Peer-Reviewed Publications

Jennifer Allen, Baird Howland, David M. Rothschild, and Duncan J. Watts "Evaluating the Fake News Problem at the Scale of the Information Ecosystem," *Science Advances* 6 (14), eaay3539 (2020).

Matthew Salganik et al. "Measuring the predictability of life outcomes with a scientific mass collaboration," *Proceedings of the National Academy of Sciences*, DOI: 10.1073/pnas.1915006117 (2020)

Joseph Risi, Amit Sharma, Rohan Shah, Matthew Connelly, Duncan J. Watts. "Predicting History" *Nature Human Behaviour* 10.1038/s41562-019-0620-8 (2019)

Michelle N. Meyer, Patrick R. Heck, Geoffrey S. Holtzman, Stephen M. Anderson, William Cai, Duncan J. Watts, Christopher F. Chabris. "Objecting to experimentally comparing two unobjectionable policies of treatments" *Proceedings of the National Academy of Sciences*, 1820701116 (2019)

Amit Sharma, Jake Hofman, Duncan J. Watts. "Split-door criterion: Identification of causal effects through auxiliary outcomes." *Annals of Applied Statistics* 12(4): 2699-2733 (2018)

David Lazer et al. "The science of fake news: Addressing fake news requires a multidisciplinary effort" *Science*, 359(6380), 1094-1096 (2018)

Daniel J. Benjamin, et al. "Redefine statistical significance." *Nature Human Behaviour*, 2, 6–10 (2018).

Barbara Jasny et al., "Fostering reproducibility in industry-academia research." *Science*. 357(6353): p. 759-761 (2017)

Duncan J. Watts. Response to Turco and Zuckerman, Comment on "Common sense and sociological explanations" *American Journal of Sociology* 122(4), 1292-1299 (2017)

- Jake Hofman, Amit Sharma, and Duncan J. Watts. "Prediction and explanation in social systems." *Science*, 355(6324): 486-488 (2017)
- Andrew Mao, Lili Dworkin, Siddharth Suri, and Duncan J. Watts. Resilient cooperators stabilize cooperation in a long-run Prisoner's Dilemma Experiment. *Nature Communications* 8(12800) (2017)
- Duncan J. Watts. Should social science be more solution oriented? *Nature Human Behaviour* 1(0015) (2017)
- Andrew Mao, Winter A. Mason, Siddharth Suri, and Duncan J. Watts. An Experimental Study of Team Size and Performance on a Complex Task. *PLoS One* <http://dx.doi.org/10.1371/journal.pone.0153048> (2016)
- Travis Martin, Ashton Anderson, Amit Sharma, Jake Hofman, and Duncan J. Watts. Exploring limits to prediction in complex social systems: Predicting cascade size on Twitter. *Proceedings of the 25th International World Wide Web Conference* (2016)
- Sharad Goel, Ashton Anderson, Jake Hofman, and Duncan J. Watts. The structural virality of online diffusion. *Management Science* 62(1), 180-196 (2015)
- Ceren Budak and Duncan J. Watts. Dissecting the Spirit of Gezi: Influence vs. Selection in the Occupy Gezi Movement. *Sociological Science* 2, 370-397 (2015)
- Amit Sharma, Jake Hofman, and Duncan J. Watts. Estimating the causal impact of recommendation systems. *Proceedings of the 16th ACM Conference on Economics and Computation* (2015)
- Duncan J. Watts. Common Sense and Sociological Explanations. *American Journal of Sociology*, 120(2), 313-351 (2014)
- Charles D. Brummitt, Rajiv Sethi, and Duncan J. Watts. Inside Money, Procyclical Leverage, and Banking Catastrophes. *PLoS One*, e104219 (2014)
- Winter Mason, Siddharth Suri, and Duncan J. Watts. Long run learning in games of cooperation. *Proceedings of the 15th ACM Conference on Economics and Computation* (2014)
- Ashton Anderson, Sharad Goel, Gregory Huber, Neil Malhotra, Duncan J. Watts. Political Ideology and Racial Preferences in Online Dating. *Sociological Science*, DOI 10.15195/v1.a3, Feb 18 (2014)
- Michael Wunder, Siddharth Suri, and Duncan J. Watts. Empirical Agent Based Models of Cooperation in Public Goods Games. *Proceedings of the 14th ACM Conference on Electronic Commerce* (2013)
- Jing Wang, Siddharth Suri, and Duncan J. Watts. Cooperation and assortativity with dynamic partner updating. *Proceedings of the National Academy of Sciences*, 109(36), 14363-14368 (2012)

- Sharad Goel, Dan Goldstein and Duncan J. Watts. The structure of online diffusion. *Proceedings of the 13th ACM Conference on Electronic Commerce* (2012)
- Winter Mason and Duncan J. Watts. "Collaborative learning in networks." *Proceedings of the National Academy of Sciences*, 109(3), 764–769 (2012).
- Shaomei Wu, Jake Hofman, Winter A. Mason, and Duncan J. Watts. "Who says what to whom on Twitter" *Proceedings of the 20th international conference on World Wide Web*, Hyderabad, India (2011).
- Siddharth Suri and Duncan J. Watts. Cooperation and Contagion in Networked Public Goods Experiments. *PLoS One*, 6(3), e16836 (2011).
- Eytan Bakshy, Jake Hofman, Winter Mason, and Duncan J. Watts. "Everyone's an influencer: Quantifying Influence on Twitter." *4th International Conference on Web Search and Data Mining*, Hong Kong, (2011).
- Sebastien Lahaie, Sharad Goel, Jake Hofman, Dave Pennock, and Duncan J. Watts. "Predicting Consumer Behavior with Web Search" *Proceedings of the National Academy of Sciences*, DOI: 10.1073/pnas.1005962107 (2010).
- Sharad Goel, Winter Mason, and Duncan J. Watts. "Real and perceived attitude agreement in social networks" *Journal of Social and Personality Psychology*, 99(4): 611-621 (2010).
- Sharad Goel, Daniel Reeves, David Pennock, and Duncan J. Watts. Prediction without markets. *11th ACM Conference on Electronic Commerce (EC'10)*, Cambridge, MA (2010)
- Munumn de Choudhury, Jake Hofman, Winter Mason, and Duncan J. Watts. Inferring Relevant Networks from Social Communication Data. *Proceedings of the 19th international conference on World Wide Web* (2010).
- Winter Mason and Duncan J. Watts. Financial Incentives and the "Performance of Crowds" *Proceedings of the ACM SIGKDD Workshop on Human Computation*, 77-85 (2009).
- R. Dean Malmgren, Jake M. Hofman, Luís A. N. Amaral, and Duncan J. Watts. "Modeling the dynamics of individual human communication." *Proceedings of the 15th ACM SIGKDD international conference on Knowledge discovery and data mining*, 607-616 (2009).
- Matthew J. Salganik and Duncan J. Watts. "Web-based experiments for the study of collective social dynamics in cultural markets." *Topics in Cognitive Science*, 1, 439-468 (2009).
- Gueorgi Kossinets and Duncan J. Watts. The Origins of Homophily in an evolving social network" *American Journal of Sociology*, 115(2), 405-450 (2009)
- Sharad Goel, Roby Muhamad, and Duncan J. Watts. "Social Search in 'Small-World' Experiments" *Proceedings of the 18th international conference on World Wide Web*, 701-710 (2009).
- D. Lopez-Pintado and D. J. Watts. "Social Influence, Binary Decisions and Collective Dynamics." *Rationality and Society* 20:399-443 (2008).

Matthew J. Salganik and Duncan J. Watts. "Leading the Herd Astray: An Experimental Study of Self-fulfilling Prophecies in an Artificial Cultural Market." *Social Psychology Quarterly* 71:338-355 (2008)

Gueorgi Kossinets, Jon Kleinberg, and Duncan J. Watts. "The structure of information pathways in a social communication network." in *Proceedings of the 14th ACM SIGKDD international conference on Knowledge discovery and data mining*. Las Vegas, Nevada, USA: ACM (2008).

D. J. Watts and P. S. Dodds. Networks, influence, and public opinion formation. *Journal of Consumer Research*, 34(4), 441-458 (2007).

N. Hanaki, A. Peterhansl, P. S. Dodds, and D. J. Watts. Cooperation in evolving social networks, *Management Science*, 53(7), 1036-1050 (2007).

M. J. Salganik, P. S. Dodds, and D. J. Watts. Experimental study of inequality and unpredictability in an artificial cultural market. *Science*, 311, 854-856 (2006).

G. Kossinets and D. J. Watts. Empirical Analysis of Evolving Social Networks. *Science*, 311, 88-90 (2006).

D. J. Watts, P. S. Dodds, R. Muhamad, and D. Medina. Multiscale, recurrent epidemics in a hierarchical compartment model, *Proceedings of the National Academy of Sciences*, 102(32), 11157-11162 (2005)

P. S. Dodds and D. J. Watts. A generalized model of social and biological contagion. *Journal of Theoretical Biology* 232(4), 587-604 (2005).

D. J. Watts. The "new" science of networks. *Annual Review of Sociology*, 30, 243-270 (2004).

P. S. Dodds and D. J. Watts. Universal behavior in a generalized model of contagion. *Physical Review Letters*, 92(21), 218701 (2004).

P. S. Dodds, D. J. Watts, and C. F. Sabel. Information exchange and robustness in organizational networks. *Proceedings of the National Academy of Sciences USA*, 100(21), 12516-12521 (2003).

P. S. Dodds, R. Muhamad, and D. J. Watts. An experimental study of search in global social networks. *Science*, 301, 827-829 (2003).

D. J. Watts, P. S. Dodds, and M. E. J. Newman. Identity and search in social networks. *Science*, 296, 1302-1305 (2002).

D. J. Watts. A simple model of global cascades on random networks. *Proceedings of the National Academy of Sciences USA* 99, 5766-5771 (2002).

M. E. J. Newman, D. J. Watts, and S. H. Strogatz. Random graph models of social networks. *Proceedings of the National Academy of Sciences USA*, 99, 2566-2572 (2002).

M. E. J. Newman, S. H. Strogatz, and D. J. Watts. Random graphs with arbitrary degree distributions and their applications. *Physical Review E*, 64, 026118 (2001).

Listed by Physical Review as one of 50 important papers in 125 years
Named “milestone paper” by *PRE* (2015)

D. S. Callaway, M. E. J. Newman, S. H. Strogatz, and D. J. Watts. Network robustness and fragility: Percolation on random graphs. *Physical Review Letters*, 85, 5468-5471 (2000).

M. E. J. Newman, C. Moore, and D. J. Watts. Mean-field solution of the small-world network model *Physical Review Letters*, 84, 3201-3204 (2000).

M. E. J. Newman and D. J. Watts. Renormalization group analysis of the small-world network model. *Physics Letters A*, 263, 341-346 (1999).

M. E. J. Newman and D. J. Watts. Scaling and percolation in the small-world network model. *Physical Review E*, 60, 7332-7342 (1999).

D. J. Watts. Networks, dynamics and the small world phenomenon, *American Journal of Sociology*, 105(2):493-527 (1999).

Reprinted in Grahbner and Powell (eds.), *Networks* (2005).

D. J. Watts and S. H. Strogatz. Collective dynamics of 'small-world' networks, *Nature*, 393:440-442 (1998)

Other Publications

D. J. Watts and D. M. Rothschild. [Don't blame the election on fake news. Blame it on the media.](#) *Columbia Journalism Review* (Dec 5, 2017)

D. J. Watts. [The non-inevitability of Donald Trump \(and almost everything\)](#) *Medium* (Jan 20, 2017)

D. J. Watts and D. Rothschild. [Rebuilding legitimacy in a post-truth age.](#) *Medium* (Jan 17, 2017)

D. J. Watts [The organizational spectroscope.](#) *Medium* (April 1, 2016)

D. J. Watts. [How small is the world really?](#) *Medium* (Feb 10, 2016)

D. J. Watts [Sociological Job Market Rumors Interview](#) (August 2015)

D. J. Watts. [Lessons Learned from the Facebook Study.](#) *Chronicle of Higher Education* (July 9, 2014)

D. J. Watts. “Scientific Thinking in Business” *MIT Technology Review* (Jan 22, 2014)

D. J. Watts. “Computational Social Science: Exciting Progress and Future Directions.” *The Bridge*, 43(4), (2013)

- D.J. Watts. "J. K. Rowling and the Chamber of Literary Fame." *Bloomberg View* (July 19, 2013)
- D. J. Watts. "The importance of studying the obvious." *Harvard Business Review Blog* (June 25, 2012)
- D. J. Watts. "Social contagion: What do we really know?" PopTech (March 19, 2012)
- D. Pennock and D. J. Watts. "Predicting Predictions." Yahoo! Year in Review (Dec 12, 2011)
- D. J. Watts. "What are leaders really for?" *Harvard Business Review Blog* (November 21, 2011)
- D. J. Watts. "Why everything that seems obvious isn't" *Physics World* (October 2011).
- D. J. Watts. "The Myth of Common Sense: Why The Social World Is Less Obvious Than It Seems." *Freakonomics Blog* (September 29, 2011)
- D. J. Watts. "The Perils of Thinking Like an Individual" *Harvard Business Review Blog Network* (September 19, 2011)
- D. J. Watts. "The human paradox that is common sense." *New Scientist* (July 20, 2011)
- D. J. Watts. "The real reason it's so hard to predict bubbles." *Slate Magazine* (June 24, 2011)
- D. J. Watts. In Defense of Experimental Advertising. Why It's the Only Way Marketers Can Determine What Half of Their Campaign Is Wasted. AdAge.com, June 23 (2009)
- D. J. Watts. Too Big to Fail? How about Too Big to Exist? *Harvard Business Review*, June issue, p 16 (2009)
- Reprinted as "Too Complex to Exist" Boston Globe, June 14 (2009).
- D. J. Watts. Challenging the "Influentials Hypothesis." *Measuring Word of Mouth, Vol. 3*. Word of Mouth Marketing Association, 2007.
- D. J. Watts. The politics of Eurovision. *New York Times*, Op-Ed (May 22, 2007)
- D. J. Watts and J. Peretti. Viral marketing in the real world. *Harvard Business Review* (May, 2007)
- D. J. Watts. Is Justin Timberlake a product of cumulative advantage? The new theory of the hit record. *New York Times Magazine* (15 April, 2007)
- D. J. Watts. A 21st Century Science. *Nature*, 445, p. 489 (2007)
- D. J. Watts. The Accidental Influentials. *Harvard Business Review*, p. 22-23 (February, 2007)
- D. J. Watts and T. Wasserman. "Q+A: Buzz-Kill: Columbia Prof Blasts Influencer Model" *BrandWeek* (March 5, 2007)

D. J. Watts and S. Hasker. Marketing in an unpredictable world. *Harvard Business Review*, p. 25-30 (September, 2006)

D. J. Watts Decentralized Intelligence. *Slate Magazine* (August 5, 2004)

D. J. Watts The Kerry cascade. *Slate Magazine* (February 24, 2004)

D. J. Watts Six degrees of interconnection. *Wired Magazine*, 136 (June, 2003)

D. J. Watts In epidemics, is fear a good thing? *Slate Magazine* (April 30, 2003)

D. J. Watts How many degrees of separation are there? *Ask the Experts, Scientific American Online*, (July 21 2002).

D. J. Watts. *The Internet, The Small World and The Nature of Distance*. Boston Science Museum Exhibit on Messages (May 1999).

D. J. Watts. "It's a Big Company, But a Small World". Invited editorial, www.execmag.com (Jan, 1999)

D. J. Watts. "The Place of Science and Technology in Australia's Future", in R. Williams (Ed), *All Us Apes - and other scientific wisdom from Ockham's Razor*. ABC Books, Sydney (1997)

Popular Press Accounts

Recent media attention: <http://everythingisobvious.com/press/>

US Newspapers and Wire Services

New York Times, LA Times, Washington Post, USA Today, International Herald Tribune, New York Daily News, Reuters, UPI, AP, Bloomberg, Gannet News Service, New York Post, Courier Mail, Philadelphia Enquirer.

US Magazines.

Newsweek, US News and World Report, New Yorker, Discover Magazine, Science News, Business Week, Physics Today, American Scientist, Cornell Magazine, Wired Magazine, Harvard Business Review, Chronicle of Higher Education, Scientific American, Spin, Focus, MIT Tech Review, The Week, Red Herring, Seed Magazine, Billboard,

Foreign Print Media

London Times, Sunday Times, Financial Times, The Guardian, Sydney Morning Herald, Melbourne Age, Australian Financial Review, New Scientist, Süddeutschen Zeitung (Germany), Die Welt (Germany), Berliner Morgenpost (Germany), Svenska Dagbladet (Sweden), Tiede (Finland), Dagbladet (Norway), Noorderlicht (Netherlands), Kijk (Netherlands), ORF (Austria), Focus (Italy), Galileo (Italy), Český rozhlas (Czech Republic), Estadio (Brazil), El Universal (Venezuela), Clarin (Argentina), Cronica (Mexico), New Kerala (India), Pravda (Russia), Deccan Chronicle (India), and El Pais (Spain).

Radio and Television

CNN, Fox, NPR, BBC Radio, CBS, BBC TV, Australian Broadcast Corporation, Austrian Broadcast Corporation.

Online.

Yahoo, MSNBC, Slashdot, Boing Boing

Reviewer Activities

American Journal of Sociology, American Sociological Review, Journal of Mathematical Sociology, Social Networks, Sociological Methods and Research, Rationality and Society, Management Science, Nature, Science, Proceedings of the National Academy of Sciences, Physical Review Letters, Physical Review E, Physics Letters A, Europhysics Letters, Physica A, PLoS One, Journal of Theoretical Biology, Mathematical Biosciences, Psychological Review, Topics in Cognitive Science, Communications of the ACM, American Economic Review.

Princeton University Press, Oxford University Press, Addison Wesley

National Science Foundation, UK Economic and Social Research Council, MacArthur Foundation

Invited Talks

1. Mt. Sinai Medical School, Applied Mathematics Laboratory, Oct 21 1998.
2. Columbia University, Organizations Workshop, Oct 22 1998.
3. University of Pittsburgh, Condensed Matter Physics Colloquium, Nov 5 1998.
4. U.C. Irvine, Institute for Mathematical Behavioral Sciences, Jan 14 1999.
5. U.C. Irvine, Workshop on Decentralization, Feb 4-6 1999.
6. Los Alamos National Laboratory, Distributed Information Systems Group, Feb 10 1999.
7. Santa Fe Business Network, Feb 19 1999.
8. U. Michigan, Center for the Study of Complex Systems, Apr 1 1999.
9. University of Montreal, Economics Department, Apr 19 1999.
10. MIT, Department of Applied Mathematics, May 4 1999.
11. Intel Research Center, Portland OR, May 21 1999.
12. Santa Fe Institute Complex Systems Summer School, Jun 14 1999.
13. Santa Fe Science Writing Workshop, Jun 20 1999.
14. Ernst and Young colloquium, "Embracing Complexity", Cambridge MA, July 25-27 1999.
15. Conference on Empirical Analysis of Social Interactions, SFI, Oct 15-17, 1999.
16. MIT, Operations Research Center Colloquium, Oct 1999.
17. HBS, Competition and Strategy Group Colloquium, Dec. 16 1999.
18. Dynamics Days, Santa Fe, Jan 5-8 2000.
19. Internet Archive Colloquium, San Francisco, March 7-8 2000.
20. Stanford University, Center for International Security and Cooperation, March 10 2000.
21. Ford Research Center, Dearborn MI, March 17 2000.
European Institute of Complexity, Milan Italy, April 7 2000.
22. Wharton School Behavioral Sciences and Management Colloquium, April 17 2000.
23. International Conference on Complex Systems, Nashua, NH, May 21-26, 2000.
24. Workshop on Interacting Economic Agents, Marseille, France, June 15-19, 2000.
25. American Institute of Physics, Industrial Physics Forum, Nov. 6-7 2000.

26. UCLA Biopolitics II, March 29-31, 2001.
27. INSEAD seminar, Fontainebleau, France, June 2001.
28. ASA 2001, Panel on "Sociology and the Emerging Disciplines", Anaheim, CA, Aug 2001.
29. Cowles Foundation speaker, Yale University, Oct 2001.
30. Cambridge Colloquium on Complexity and Networks, Harvard, Nov 2001.
31. Sunbelt Conference on Network Analysis, New Orleans, Feb 2002.
32. UCLA conference on computational social science, Lake Arrowhead, CA, May 2002.
33. XVIII Sitges Conference on Statistical Mechanics, Sitges, Spain, June 2002.
34. Guest Lecturer, Santa Fe Summer School, Santa Fe, NM, June 2002.
35. CSFB Thought Leader Forum, Santa Fe, NM, September 2002.
36. Santa Fe Institute Business Network Meeting, Santa Fe, NM, November 2002.
37. Santa Fe Institute Public Lecture Series, Santa Fe, NM, February 26 2003
38. Sociology Department, University of Stockholm, May 19 2003
39. Federal Reserve Bank of Boston, "How Humans Behave", June 8-10 2003
40. Princeton Alumni Association, Princeton, NJ, September 3 2003
41. Stern School of Business, New York University, October 16 2003
42. Economic Sociology Colloquium, Harvard University, October 23 2003
43. NASA Langley, Colloquium and Sigma public lecture, November 4 2003
44. IMA Workshop on Networks and Population Dynamics of Disease Transmission, University of Minnesota, November 17-21 2003.
45. Princeton Sociology Department Colloquium, April 12 2004
46. Invited session on Networks, NAS-Royal Society Frontiers of Science Conference, Cambridge, UK, June 2004
47. Invited Session on Social Networks, European Economic Association Annual Meeting, Madrid, Spain, August 2004.
48. Conference to celebrate 100th anniversary of publication of "Protestant Ethic and the Spirit of Capitalism", Cornell University, Oct 8-10 2004.
49. Legg Mason Funds Thought Leader Forum, Baltimore, Oct 20-21, 2004.
50. The Italian Academy for Advanced Studies in America, and the Italian Embassy in Washington, Workshop on Randomness, Oct 29-30, 2004.
51. Invited session on networks and computation, NAS Frontiers of Science Conference, Irvine, CA, Nov 2004.
52. Max Plank Institute for Human Development, Jan 11 2005
53. Inaugural Speaker, Trans-Atlantic Initiative on Complex Organizational Networks, ETH, Zurich, Jan 12, 2005.
54. United States Naval Warfare Center, Newport RI, Jan 24 2005
55. Annenberg School of Communication, U. Penn. Feb 11, 2005
56. Invited Session, Annual Meeting, National Academy of Sciences, May 1, 2005
57. Visiting Lecture, INSEAD, Fontainebleau, France, June 2005.
58. Conference in honor of Alan Kirman, Marseille, France, June 21-22, 2005
59. Keynote speaker, State Department initiative on Youth in Eastern Europe, Washington DC, August 15, 2005
60. Miller Distinguished Lecturer, University of Illinois, August 29 2005
61. Invited Speaker, Center For Advanced Study, Networks seminar, University of Illinois, August 29 2005
62. Invited Speaker, Annual Meeting, Studley Real Estate Group, New York, September 18 2005
63. Invited Speaker, Booz-Allen E-ruptions conference, New York, Sep 30 2005
64. Invited Speaker, Annual Meeting, Media Planning Group, Oct 5 2005
65. Invited Participant, Future of Social Sciences Workshop, Cornell Center for the Study of Economy and Society, New York, October 6-8 2005

66. Invited Participant, Conference in honor of 50th publication of Katz and Lazarsfeld, *Personal Influence*, Columbia, October 21 2005
67. Invited speaker, Pitney Bowes Inc. Future Strategy Forum, 28 Oct. 2005
68. Invited speaker, Chief of Naval Operations Strategic Studies Group, 12 Dec 2005
69. Invited panel on "Policy implications of basic research in the social sciences", Annual Meeting AAAS, St. Louis MO, Feb 20 2006
70. Invited speaker, Columbia Theoretical Neuroscience Seminar, 7 Apr 2006
71. Invited speaker, Columbia Physiology Dept. Annual Retreat, 20 Apr 2006
72. Invited speaker, NYU CASSR, 27 Apr 2006
73. Invited speaker, Columbia DRO-IEOR Seminar, 2 May 2006
74. Distinguished speaker, NWU Institute on Complex Systems, 11 May 2006
75. Invited speaker, Marschak Colloquium, UCLA, May 25 2006
76. Invited speaker, Institute for Mathematical and Behavioral Sciences Colloquium, UC Irvine, May 26 2006
77. Invited speaker, Yahoo! Research, Sept 13-14, 2006
78. Invited speaker, U. Michigan Center for Complex Systems, Sept 28, 2006
79. Invited speaker, Columbia Marketing Dept. Seminar, Oct 31, 2006
80. Keynote speaker, Business Roundtable Conference, DC, Nov 8, 2006
81. Invited participant, Cornell University Conference on "Search and Diffusion on Networks", Nov 8-11, 2006
82. Keynote speaker, Global Futures Forum, Prague, Dec 2006
83. Guest speaker, "Virgin U." lecture series, Virgin Records, Jan. 17 2007
84. Plenary speaker, NWU Complexity Conference, March 2007
85. Invited speaker, Princeton Sociology Department, April 9 2007
86. Invited speaker, Keble College, Oxford, April 26, 2007
87. Invited speaker, Sociology Group, Nuffield College, Oxford, May 2 2007
88. Keynote speaker, Havas Media annual research meeting, Miami, May 9, 2007
89. Invited speaker, Networks workshop, Nuffield College, 31 May 2007
90. Invited participant, Analytical sociology workshop, Nuffield, June 15 2007
91. Keynote speaker, Advertising Research Foundation's Audience Measurement Symposium, Millennium Hotel, New York, June 26, 2007.
92. Plenary speaker, Annual meeting, APSA, Chicago, August 31, 2007
93. Invited speaker, TTI/Vanguard conference, Boston, 25-26 September, 2007
94. Invited speaker, ARF Ad-Week Panel on Influentials, New York, Sep 26 2007
95. Keynote speaker, AAAA Creative Summit, Minneapolis, Oct 18 2007
96. Invited speaker, Yahoo! Social Media Roundtable, London, Oct 30 2007
97. Invited speaker, Annual Meeting, Council of Scientific Society Presidents, DC, Dec 3, 2007
98. Invited seminar, SDS Machine Learning Group, Sunnyvale, CA, Feb 8 2008
99. Guest speaker, Fast Company Magazine, New York, Feb 28 2008
100. Invited speaker, ORIE Department, Wharton School, Mar 4 2008
101. Invited speaker, Cornell Entrepreneurial Network, NYC, Mar 13 2008
102. Invited panel, ARF Annual Meeting, New York, Apr 2 2008
103. Invited speaker, Harvard Psychology Department, Apr 9 2008
104. Keynote speaker, Razorfish-Ave. A Client Summit, NYC, May 14 2008
105. Keynote speaker, 4th Symposium on Statistical Challenges in eCommerce, NYU Stern School, May 19 2008
106. Keynote speaker, iCitizen Annual Summit, Columbus OH, May 20 2008
107. Invited participant, Harvard Business Review / Word Economic Forum workshop on breakthrough ideas for 2009
108. Invited speaker, Big Thinkers Series, Bangalore, India Sep 10 2008

109. Keynote, International Conference on Complex Systems, Jerusalem, Sep 15 2008
110. Keynote, "Ten years of Network Science" conference, Barcelona, Spain Dec 10-12 2008
111. Invited speaker, World Economic Forum, Davos Switzerland, Jan 28-Feb 1 2009
112. Invited speaker, Stanford MS&E/OR Seminary, Feb 25, 2009
113. Invited speaker, Penn State, 16 March 2009
114. Keynote speaker, Germany Physical Society Annual Meeting, Dresden, Germany, 25 March 2009
115. Invited participant, workshop on Cooperation and Human Systems Design, Radcliffe Institute, Harvard University, on March 26-28, 2009
116. Yale Sociology, 2 April 2009
117. Princeton, 24th April 2009
118. Keynote speaker, ICWSM, San Francisco, 17-20 May, 2009
119. Invited speaker, Santa Fe Institute Workshop on Systemic Risk, 15 Oct 2009
120. Inaugural speaker, MSSE Program, U. Penn, 15 Oct 2009
121. Invited speaker, Oxford Internet Institute, 23 Oct 2009
122. Keynote speaker, Dartmouth Complex Systems Symposium, 6 Nov 2009
123. Keynote speaker, Columbia Marketing Conference, 13 Nov 2009
124. Columbia Statistics Department, Feb 24 2010
125. Columbia, BRITE Conference, March 31 2010
126. Cornell, Sociology Department Seminar, April 8 2010
127. Cornell, Center for Applied Mathematics Seminar, April 9 2010
128. Ad Age Digital Conference, April 14 2010
129. Computational Social Science Workshop, Harvard, May 10-11 2010
130. Mashable Media Summit, June 8 2010
131. IAFE, Panel on Liquidity Risk, New York, June 10 2010
132. ICML Keynote, Haifa, June 23 2010
133. ICML Workshop on Social Analytics, Haifa, June 25 2010
134. Plenary speaker, Workshop on Information Networks, NYU, Sep 24 2010
135. Panelist, Web2.0 Conference, New York, Sep 30 2010
136. ACM Multimedia Keynote, Florence Oct 2010
137. Columbia Business School Strategy Conference, Dec 3 2010
138. NICO/SONIC Complexity Conference, NWY March 7 2011
139. Keynote, SES New York, March 22 2011
140. Invited session, ARF Annual Meeting, New York, March 23 2011
141. Computational Social Science Seminar, UMass, April 1 2011
142. Keynote, Santa Fe Institute Science Board Annual Meeting, April 14 2011
143. Keynote, Word of Mouth Marketing Association, May 10 2011
144. Columbia Networks Conference, New York, May 23-24 2011
145. Fuzzy Day Conference, New York, March 26 2011
146. Keynote, NetSci, Budapest, June 10 2011
147. Invited speaker DMSocial, SIGMOD, Athens, June 12 2011
148. Keynote, Ivy League Alumni Association, Ithaca, June 21 2011
149. Keynote, ICWSM, Barcelona, July 17-20 2011
150. Author meets critic, ASA, Las Vegas, Aug 2011
151. Business Innovation Factory, Providence RI, Sept 20-21, 2011
152. Workshop on Information Networks, NYU, Sept 30, 2011
153. PR News Digital PR Awards, New York, Oct 12, 2011
154. Web 2.0 Expo, New York, Oct 13, 2011
155. iMedia Breakthrough Summit, Henderson NV, Oct 18, 2011
156. TedX MidAtlantic, Washington DC, Oct 29, 2011
157. CLSA Investor Conference, San Francisco, Nov 8, 2011

158. Defrag 2011, Denver CO, Nov 9, 2011
159. SAC Capital Third Annual Quant Conference, New York, Nov 15, 2011
160. CCLS/ISERP Distinguished lecture series, Columbia University, Dec 8 2011
161. Yahoo! Big Thinkers Talk, Burbank, CA, March 27 2012
162. Workshop on Social Media and Emergency Response, Irvine CA, March 28
163. CMU iLab series, April 7, 2012
164. Secret Science Club, Brooklyn, NY, July 18 2012
165. Santa Fe Institute public lecture, July 25 2012
166. Keynote speaker, Children's Book Council Annual Meeting, Sep 13 2012
167. Oxford Internet Institute, Oxford UK, September 20 2012
168. Invited speaker, WIN, New York, September 27 2012
169. Keynote speaker, EDF conference, New York, October 3 2012
170. Invited speaker NYU, October 5 2012
171. NAE-USIP Roundtable on Conflict Resolution, DC, Oct 11 2012
172. Invited participant, Open Government Workshop, London, Nov 9-10 2012
173. Invited speaker, MSR-NE, Dec 5 2012
174. Invited panelist, Global Trends 2030, CIA, Langley VA, Dec 14 2012
175. Featured speaker, ADSCON, NYU Stern School, Jan 16, 2013
176. Columbia seminar on Big Data and Digital Journalism, Jan 28 2013
177. Keynote, WSDM, Rome, Feb 6, 2013
178. "Outside the Academy" Sociology Conference, NYU, March 1, 2013
179. Tech Fest speaker, Microsoft, March 6, 2013
180. Guest judge, NYU Datathon, March 10, 2013
181. USC Workshop on Game Theory and Human Behavior, Apr 16, 2013
182. Paduano seminar speaker, NYU, April 26 2013
183. Keynote, Columbia University Media Forum, April 30, 2013
184. Guest lecture, NYU Stern, Networks Crowds and Markets, May 1, 2013
185. Invited speaker, NSF Social Observatories Network, UMD, May 8, 2013
186. Featured speaker, "Science of Success" conference, NEU, June 17, 2013
187. Max Plank Institute for Behavioral Sciences, Berlin, June 22, 2013
188. Keynote, 9th IDP Congress, Barcelona, June 26, 2013
189. Invited panel, "Digital social science," ASA, New York, Aug 11 2013
190. Invited panel, "Social media and inequality," ASA, New York, Aug 11 2013
191. NAE "Frontiers of Engineering" Conference, Wilmington DE, Sep 19-21
192. NAS "Science of science communication" symposium, DC, Sep 23-24 2013
193. Keynote, Stanford Computational Social Science Conference, Sep 27 2013
194. Stanford seminar on "Data, Society, and Inference" Sep 30 2013
195. Invited speaker WIN 2013, NYU, Oct 4 2013
196. Invited panelist, MSR-NE 5th Anniversary Symposium, Oct 8 2013
197. NYU Institute for Public Knowledge conference on Celebrity, Nov 1 2013
198. USC, Nov 21-22 2013
199. Keynote MSI Conference on social networks, Dec 3, 2013
200. Invited speaker, IPAM workshop on Social Learning, UCLA Jan 6-10 2014
201. INET Public Lecture, Corpus Christi College, Cambridge, March 11 2014
202. INET Workshop in Microeconomics, Cambridge UK, March 13 2014
203. Invited panelist PCAST meeting on Comp. Social Science, April 4 2014
204. Invited speaker, HBS Marketing Dept. Seminar, April 15 2014
205. Convocation speaker, Columbia GSAS Masters Ceremony, May 18 2014
206. AD White lecture, Cornell, Sep 9 2014
207. IS seminar, Cornell, Sep 10 2014
208. Cornell CS 50th Anniversary, Oct 1 2014

209. Center for Economy and Society Future of Social Sciences, Oct 3 2014
210. MIT Conference on Digital Experimentation (CODE) Oct 10, 2014
211. Bank of England conference on Systemic Risk, Oct 13, 2014
212. Workshop on social and information networks (SINS), Varenna, Oct 15 2014
213. PR Council annual conference, New York, Oct 23 2014
214. SocInfo 2014, Barcelona, Nov 12 2014
215. Kavali Frontiers of Science, Irvine Nov 17-19 2014
216. Everett Rogers Prize address, USC Nov 20 2104
217. Computational Social Science seminar, U Chicago, Dec 5 2014
218. NetSciX Brazil, Jan 15 2015
219. AAAS Annual Meeting, San Jose Feb 15 2015
220. NRC Committee on Continuing Innovation in IT, NAS, DC, March 5-6
221. German Physical Society meeting on socio-econophysics, Berlin March 2015
222. Columbia IGERT Distinguished Lecturer, New York, April 17 2015
223. Cornell 150th Anniversary panel on Network Science, April 26 2015
224. SRI Conference, New York, May 2 2015
225. International Conference on CSS, Helsinki, Jun 8-11, 2015
226. Computational Social Science Conference, Cornell Sep 11-12 2015
227. Workshop on Data, Algorithms, and Problems on Graphs, Columbia, Sep 28
228. Workshop on Information Networks, NYU Oct 2-3
229. Conference on Digital Experimentation, MIT, Oct 16-17
230. Conference on Information Systems and Technology, Philadelphia, Oct 31
231. Invited panel on ethics of digital experiments, SXSW Austin, Mar 12, 2016
231. Keynote on CSS, APS Annual Meeting, Baltimore, Mar 16, 2016
232. Invited lecture, Penn-NWU-Wisconsin CSS grad seminar, Mar 22 2016
234. Invited panelist, Wharton People Analytics Conference, April 8 2016
235. Invited presentation on CSS to DARPA DSO office, April 13 2016
236. Invited lecture, U Penn, Computational Social Science, April 20 2016
237. Invited lecture, Simon's Institute Workshop on CSS, April 25-26 2016
238. Invited lecture, SSRC working group on future of social science, May 9 2016
239. Opening Keynote, IC2S2 2016, Northwestern University, June 23 2016
240. KDD Industry Track Keynote, Aug 15 2016
241. ICS 30th Anniversary Lustrem Symposium, Utrecht, Sep 2 2016
242. U. Chicago Workshop on Computational Social Science, Oct 3 2016
243. Keynote Data Eng 2016, Brooklyn New York, Nov 4, 2016
244. Northwestern Computational Social Science Series, Dec 2 2016
245. Harvard/NEU workshop on Fake News, Feb 17-18, 2017
245. Barnard College, March 1 2017
247. Facebook/ASU workshop on News Literacy, March 4-5, 2017
248. Psychology Department Seminar, Hunter College, April 1, 2017
249. NYU Law workshop on *Algorithms and Explanations*, April 27-28, 2017
250. Society for Institutional & Organizational Economics Annual Meeting, June 23 2017
251. Workshop on Adaptive Learning in Games, Stony Brook, July 14-16 2017
252. Keynote, Current Challenges in Computing 2017, Napa, CA Sept 11-12 2017
253. Keynote, opening of McGill CSS center, Montreal, Oct 25 2017
254. Network Science Institute Distinguished Speaker, NEU April 2 2018
255. MIT IDSS Distinguished Speaker Series, April 3 2018
256. CSS Summer School Invited Speaker, Duke, June 18 2018
257. IC2S2 2018 Keynote Speaker, Northwestern University, July 13-15 2018
258. AJS Pre-conference on CSS, University of Pennsylvania, Aug 9, Philadelphia
259. Cornell Center for Applied Math Colloquium, Sept 12, Ithaca NY

260. AD White public lecture, Cornell University, Sept 13, Ithaca NY
270. SSRC "To Secure Knowledge" Taskforce report public launch, Sept 17, NYC
271. AAAS Annual Meeting panel on Computational Social Science, Feb 17, Washington DC
272. NAS Sackler Colloquium on misinformation in science, April 3-4, Irvine CA
273. Management Science 65th Anniversary Conference, May 21, Boston
274. NetSci 2019 Keynote, May 29, Burlington VT
275. Behavioral Science and Policy Association Annual Conference, June 14, NYC
276. IC2S2 2019 Keynote, July 17-20, Amsterdam
277. Yale Sociology Computational Social Science Workshop, Sept 5-6, New Haven
278. NAS DBASSE committee meeting on Computational Social Science, Oct 10, DC