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EDUCATION

University of Michigan, Ann Arbor, Michigan.
Ph.D. in Political Science, May 1996

Wesleyan University, Middletown, Connecticut.
Bachelor of Arts, Economics, May 1988.

ACADEMIC POSITIONS

Harvard University, Kennedy School of Government
Associate Professor of Public Policy, 2003-present.
Assistant Professor of Public Policy, 1998-2003.

Princeton University, Department of Politics
Lecturer, 1996-1998.

PUBLICATIONS

BOOKS

DNA and the Criminal Justice System: The Technology of Justice (ed.), MIT press: 2004.

Governance and Information Technology: From Electronic Government to Information Government, MIT press: 2007. (edited with V. Mayer-Schoenberger)

JOURNAL ARTICLES

“Computational Social Science,” *Science*, Feb. 6, 2009. (with A. Pentland, L. Adamic, S. Aral, A-L Barabasi, D. Brewer, N. Christakis, N. Contractor, J. Fowler, M. Gutmann, T. Jebara, G. King, M. Macy, D. Roy, M. Van Alstyne)

“Lending a helping hand: Voluntary engagement in knowledge sharing in a network of professionals,” *International Journal of Learning and Change* 3(1), 2008. (with I. Mergel and M. Binz-Scharf)

“The social structure of exploration and exploitation,” Administrative Science Quarterly, December, 2007. (with A. Friedman)

“Structure and tie strengths in mobile communication networks,” Proceedings of the National Academy of Sciences, May 1, 2007. (with J.-P. Onnela, J. Saramäki, J. Hyvönen, G. Szabó, K. Kaskil, J. Kertész, A.-L. Barabási)

“Finding Criminals Through DNA of Their Relatives,” Science, June 2, 2006, (with F. Bieber and C. Brenner)

“Global and Domestic Interdependence: Modes of Interdependence in Regulatory Policymaking,” European Law Journal, 2006.

“Statutory Frameworks for Regulating Information Flows: Drawing Lessons for DNA Data Banks from other Government Data Systems,” Journal of Law, Medicine, and Ethics, 2006. (with V. Mayer-Schönberger)

“Regulatory Capitalism as a Networked Order: The International System as an Informational Network,” Annals of the American Academy of Political and Social Science, March, 2005.

“Home (Page) Style: Determinates of the Quality of House Members’ Websites,” International Journal of Electronic Government Research 2(1), 2005. (with K. Esterling and M. Neblo)

“Network Theory and Small Groups,” Small Group Research 35(3), June 2004. (with N. Katz, H. Arrow, and N. Contractor)

“Friends, Brokers and Transitivity: Who Informs Whom in Washington Politics?” Journal of Politics, February 2004. (with Daniel Carpenter and Kevin Esterling)

“Staying Connected,” Harvard Generations Journal, Winter 2004. (with V. Mayer-Schönberger)

“Management-Based Regulation: Prescribing Private Management to Achieve Public Goals,” Law & Society Review, December 2003. (with C. Coglianese)

“The Strength of Strong Ties: A Model of Contact-Making in Policy Networks with Evidence from U.S. Health Politics,” Rationality and Society, November 2003. (with D. Carpenter and K. Esterling)

“Governing Networks,” Brooklyn Journal of International Law, 27(3), 2002. (with V. Mayer-Schönberger).

“Regulatory Interdependence and International Governance,” Journal of European Public Policy, April 2001, 474-492.

“The Co-evolution of Individual and Network,” Journal of Mathematical Sociology, January 2001, 69-108.

“The Free Trade Epidemic of the 1860s and Other Outbreaks of Economic Discrimination,” World Politics, July 1999.

“Strength of Weak Ties in Lobbying Networks: Evidence from Health-Care Politics in the United States,” Journal of Theoretical Politics, October 1998. (with D. Carpenter and K. Esterling).

FORTHCOMING JOURNAL ARTICLES

“Co-citation of prominent social network articles in sociology journals: The evolving canon,” Connections, forthcoming. (with I. Mergel and A. Friedman)

BOOK CHAPTERS

“It takes a network to build a network,” in V. Mayer-Schönberger and D. Lazer. *Governance and Information Technology: From Electronic Government to Information Government*. MIT Press, 2007. (with M. Binz-Scharf)

“From Egov to Igov,” in V. Mayer-Schönberger and D. Lazer. *Governance and Information Technology: From Electronic Government to Information Government*. MIT Press, 2007. (with V. Mayer-Schoenberger)

“The Governing of Government Information,” in V. Mayer-Schoenberger and D. Lazer. *Governance and Information Technology: From Electronic Government to Information Government*. MIT Press, 2007. (with V. Mayer-Schönberger)

“Managing the web: how Members of Congress use the Internet,” in *Advanced Topics in Electronic Government Research*, Donald Norris, editor, Hershey, PA: Idea Group 2006. (with K. Esterling and M. Neblo)

“Network Theory and Group Research,” in Poole, M. S., & Hollingshead, A. B. (Eds.) (in press). *Theories of Small Groups: Interdisciplinary Perspectives*. Thousand Oaks, CA: Sage 2005. (with N. Katz, H. Arrow, and N. Contractor).

“Introduction: DNA and the Criminal Justice System,” in D. Lazer (ed), *DNA and the Criminal Justice System: The Technology of Justice*, MIT press, 2004.

“DNA and the Criminal Justice System: Consensus and Debate,” in D. Lazer (ed), *DNA and the Criminal Justice System: The Technology of Justice*, MIT press, 2004. (with M. Meyer)

“Information and Innovation in a Networked World,” in R. Breiger, K. Carley, P. Pattison, *Dynamic Social Network Modeling and Analysis: Workshop Summary and Papers* (National Academies Press, 2003).

“Management-Based Regulatory Strategies,” in J. Donahue and J. Nye (Eds.), *Market-Based Governance: Supply Side, Demand Side, Upside, and Downside*, Washington, DC: Brookings, 2002 (with C. Coglianese).

“Blueprints for Change: Devolution and Subsidiarity in the United States and the European Union,” in K. Nicolaidis and R. Howse (eds), *The Federal Vision: Legitimacy and Levels of Governance in the US and the EU*, Oxford: Oxford University Press, 2001 (with V. Mayer-Schönberger).

“Reality Kisses the Neck of Speculation: A Report From the NKC Workgroup,” in *1991 Lectures in Complex Systems*, eds. L. Nadel and D. Stein, Addison-Wesley, 1992 (co-author).

HARVARD KENNEDY SCHOOL TEACHING CASES

The Massachusetts DNA Database: Getting Started

The Massachusetts DNA Database: Getting Started Sequel

Reducing the Complaints Backlog at the Equal Employment Opportunity Commission

BOOK REVIEWS

Review of *Emergent Actors in World Politics: How States and Nations Develop* in Journal of Artificial Societies and Social Simulation, March 2001.

Review of *Reinventing Environmental Regulation: Lessons from Project XL* in Journal of Policy Analysis and Management, Winter, 2004.

OP EDS

“DNA Sweep Must Be Accompanied by Informed Consent,” *Provincetown Banner*, January 20, 2005 (with F. Bieber)

“Guilt by Association?” *The New Scientist*, September 23, 2004 (with F. Bieber).

“Lessons Learned from a Miscarriage of Justice,” *Boston Globe*, April 12, 2003 (with F. Bieber).

REPORTS

2007 Gold Mouse Report: Lessons from the Best Web Sites on Capitol Hill, 2007, The Congressional Management Foundation. (with C. Burden, T. Hystrom, K. Esterling, and M. Neblo).

An Evaluation of the Impact of State Health Leadership Initiative on the Social Capital among State Health Officials: A report prepared for the Robert Woods Johnson Foundation, 2008.
(with I. Mergel)

RECENT SSRN WORKING PAPERS

“Means, Motive, & Opportunity in Becoming Informed About Politics: A Deliberative Field Experiment” (with K. Esterling, M. Neblo)

“Estimating Treatment Effects in the Presence of Noncompliance and Nonresponse: The Generalized Endogenous Treatment Model” (with K. Esterling, M. Neblo)

“Networks and political attitudes: Structure, influence, and co-evolution” (with B. Rubineau, C. Chetkovich, N. Katz, M. Neblo)

“Networks, hierarchies, and markets: Aggregating collective problem solving in social systems” (with I. Mergel, C. Ziniel, K. Esterling, M. Neblo)

“Searching for answers: Networks of Practice among Public Administrators” (with M. Binz-Scharf, I. Mergel)

“Why people share knowledge” (with I. Mergel, M. Binz-Scharf)

“Knowledge sharing across states: Explaining the absence of social capital among state health officials” (with I. Mergel)

“Inferring social network structure using mobile phone data,” (with N. Eagle and A. Pentland)

SELECTED INVITED TALKS

“Life in the network: The coming age of computational social science” (Networks and complex systems seminar, Indiana University, May 4, 2009).

Keynote address on network science (BCNetWORKSHOP 2008, University of Barcelona, December 10, 2008).

“What can be learned from massive social network data sets?” (Statistical Inference for Complex Networks workshop, Santa Fe Institute, December 3, 2008)

“Studying social networks” (Complex Systems Conference, National Academies Keck Futures Initiative: November 12-15, 2008).

“The tragedy of the network” (Columbia Business School, Columbia University: September 23, 2008).

“Studying social networks” (Networks in Political Science, Harvard University: June 12, 2008).

“Life in the network: The coming age of computational social science” (Whitney Symposium General Electric, Rennsalaer, NY: June 4, 2008).

“The tragedy of the network” (The Heinz School, Carnegie Mellon University: March 26, 2008).

“The tragedy of the network” (Northeastern University: March 20, 2008).

“Life in the network: The coming age of computational social science” (Computational Social Science Conference, Harvard University: December, 2007)

“The social structure of exploration and exploitation” (Boston College: November, 2007).

Keynote address at NetSci conference, (New York City, May 21, 2007).

EXTERNAL SUPPORT

PI, \$940,000 grant from the National Science Foundation, “The Adoption and Use of Web Technologies Among Congressional Offices.”

PI, \$194,000 grant from the National Science Foundation, “Sharing Innovation Across Government Organizations.”

PI, \$30,000 grant from the Mitre corporation “Electronic Health Records.”

PI, \$150,000 grant from the Robert Woods Johnson Foundation on information networks among state health officials.

Co-PI, \$1.5m grant from National Science Foundation to launch the *National Center for Digital Government* and the *Program on Networked Governance*.

Recipient, \$15,000 grant from IBM endowment for the Business of Government, for “Sharing Information Within the Government.”

INTERNAL SUPPORT

\$60,000 grant from the Taubman Center to study behavioral network analysis, 2006-2009.

\$47,000 in grants from the Ash Institute for Democratic Governance and Innovation, for field experiment to examine effects of online deliberative session between Senator Carl Levin and his constituents, 2008.

\$16,000 in grants from the Academic Dean's research fund to study collaboration on teams, 2004-2008.

\$35,000 grant from the Ash Institute for Democratic Governance and Innovation, to study the effectiveness of online sessions with public administrators.

\$10,000 grant from the Women and Public Policy Program to study gender, networks, and teamwork, 2005.

\$15,000 grant from the Center for Public Leadership on "networks and leadership on teams," 2004.

\$120,000 grant from the Center for Business and Government on "DNA and the criminal justice system," 2000-2001.

\$10,000 grant from the Center for Public Leadership on "conflict and networks in the executive branch," 2000.

PUBLIC AND INSTITUTIONAL SERVICE

Member, Board of International Network of Social Network Analysts (INSNA).

Co-founder and co-chair of *Political Networks*.

Co-organizer and host of 2008 Networks in Political Science (NIPS) conference at Harvard University (see www.hks.harvard.edu/netgov/html/colloquia_NIPS.htm).

Member of DNA Database Expansion Working Group, Executive Office of Public Safety, Commonwealth of Massachusetts, 2008.

Director and founder, Program on Networked Governance (see www.hks.harvard.edu/netgov).

Chair and co-founder of (Harvard-wide) Cambridge Colloquium on Complexity and Social Networks (see www.hks.harvard.edu/complexity).

Chair and founder of the DNAPolicy.net initiative: this is an initiative for a web-based enabling of discussion around the use of DNA in the criminal justice system (www.DNAPolicy.net).

Convener of the netgov blog (see www.iq.harvard.edu/blog/netgov/).

Associate Director (2004-2006) and co-founder of the *National Center on Digital Government*.

Co-chair of *Trans-Atlantic Initiative on Complex Organizational Networks* (TAICON).

Member of NSF-funded International Working Group on Online Consultation and Public Policy Making, 2007-2009 (see www.reconnectingdemocracy.org/).

Methodological Area Chair for Strategic Management at Harvard Kennedy School, 2000 to 2007.

Co-investigator, with the American Society for Law, Medicine, and Ethics, on \$1,000,000 NIH grant on *DNA Fingerprinting and Civil Liberties Project*, 2003 to 2005.

Consultant with Booz Allen Hamilton on homeland security interoperability evaluation, 2006.

Editorial Board, *Regulation and Governance, Journal of Information, Technology, and Politics*.

Reviewer for *Academy of Management Review, Academy of Management Journal, Administrative Science Quarterly, Organization Science, American Journal of Sociology, American Journal of Political Science, Journal of Politics, Journal of Public Administration Research and Theory, International Public Management Journal, Regulation and Governance, Proceedings of the National Academy of Sciences, Nature*.

Served on the dissertation committees of: Allan Friedman, Elta Smith, Maria Binz-Scharf, Thomas Langenberg, Adam Henry.

Pre and post-doctoral fellows sponsored: Maria Binz-Scharf, Thomas Langenberg, Adam Henry, Matthew Hindman, Jeffrey Boase, Rajiv Shah, Alexander Schellong, Audrey Selian, Birgit Rabl, Kevin Esterling, Kenneth Cukier, Jose Gil Ramon Garcia, Steven Jackson, Jeanne Mengis, Jukka-Pekka Onnela, Sebastian Schnorf.

SELECTED MEDIA COVERAGE AND APPEARANCES

“Search engines provide information about epidemics,” *Nature* (11/19/2009)

“Obama’s Machine,” *Forbes*, (11/5/2008)

“You May Soon Know if You’re Hogging the Discussion,” *New York Times* (10/26/2008)

“DNA Evidence Gains Acceptance As a Key Tool in Robbery Cases,” *Wall Street Journal* (6/19/2008).

Research cited in PBS show, *Religion and Ethics Weekly* (5/16/2008).

Research cited in “The Gene Police,” *Wall Street Journal* (2/28/2008).

Research cited in “Technology and Government,” (2/14/2008), *The Economist*.

Appeared on *NPR*, “Legal Limits Murky for Use of ‘Discarded’ DNA” and “Police Use DNA to Track Suspects Through Family.” (12/12/2007).

“Data sharing threatens privacy,” *Nature*, (10/10/2007).

Research appeared in “Not so Perfect Match,” *60 Minutes* (4/2/2007).

Stories on “Finding Criminals Through DNA of Their Relatives,” appeared in over 100 news outlets in May, 2006, including prominent stories in: *New York Times*, *Washington Post*, *ABC News*, *NPR*, *BBC*.