

Jonathon Edward Mote

Center for Innovation
Department of Sociology
2112 Art-Sociology Building
University of Maryland
College Park, MD 20742
(301) 405 -9746
jmote(at)socy.umd.edu

Current Employment

May 2003 – Present. Assistant Research Scientist and Lecturer, Center for Innovation, Department of Sociology, University of Maryland. Non-tenure faculty position with research projects focusing on the organization and management of scientific and technological research. Contract and grant funding secured from the National Science Foundation, the Department of Energy, the National Oceanic and Atmospheric Administration, and Industry Canada.

Education

Ph.D., Sociology, University of Pennsylvania, May 2008.

- Dissertation: Quakers and Capital: The Role of Social Networks and Circuits in the Evolution of Venture Capital in Philadelphia, 1980-1999. Directed by Randall Collins, with Mauro Guillen and Viviana Zelizer.

M.A., Economics and Historical Studies, New School for Social Research, December 1994.

B.A., Economics and History, University of Iowa, May 1990.

Publications (peer-reviewed)

Hage, J., Jordan, G., **Mote, Jonathon.**; Whitestone, Y. Designing and facilitating R&D collaboration: The balance of diversity and integration. Forthcoming in the *Journal of Engineering and Technology Management* (December 2008).

Hage, J. and **Jonathon Mote.** 2008. Transformational Organizations and Institutional Change: The Case of the Institut Pasteur and French Science. *Socio-economic Review* 6(2): 313-336.

Jordan, G., J. Hage and **Jonathon Mote.** 2008. A Theories-Based Systemic Framework for Evaluating Diverse Portfolios of Scientific Work Part One: Micro and Meso Indicators. In C.L.S. Coryn and Michael Scriven (Eds.), *Reforming the Evaluation of Research*. New Directions for Evaluation, 118, 7-24.

Mote, Jonathon, Y. Whitestone, G. Jordan and J. Hage. 2008. Innovation, Networks, and the Research Environment: Examining the Linkages. *International Journal of Foresight and Innovation Policy* 4(3): 246-264.

Jordan, G., J. Hage and **Jonathon Mote.** 2007. A Theories-Based Systemic Framework for Evaluating Diverse Portfolios of Scientific Work Part Two: Macro Indicators and Policy Interventions. *Science and Public Policy* 34(10): 731-741.

Mote, Jonathon; G. Jordan, and J. Hage. 2007. New Directions in the Use of Network Analysis in R&D Evaluation. *Research Evaluation* 16(3): 191-203.

Mote, Jonathon., G. Jordan and J. Hage. 2007. "Measuring Radical Innovation in Real Time." *International Journal of Technology, Policy and Management* 7 (4): 355-377.

Jordan, Gretchen, J. Hage, **Jonathon Mote** and B. Hepler. 2005. "Investigating Differences Among R&D Projects and Implications for Managers." *R&D Management* 35 (5): 501-511.

Mote, Jonathon E. 2005. "R&D Ecology: Using 2-Mode Network Analysis to Understand Complexity in R&D Environments. *Journal of Engineering and Technology Management.* 22 (1-2): 93-111.

Mote, Jonathon E. 2001. "From Schutz to Goffman: The Search for Social Order." *The Review of Austrian Economics*, 14, (2/3): 219-231.

Mote, Jonathon E. 2000. "Economists in the Next Millenium: One Voice or Many?" *American Journal of Economics and Sociology.* 59, No. 1 (January 2000): 45-48.

Mote, J. E. 1997. "(Dis) Trusting the Tale: Werner Sombart and the Narrative of Economics," in John P. Henderson (ed.), *The State of the Art: Perspectives on the History of Economic Thought*, Volume XIII, Routledge Press, 1997.

Research Grants

"Developing the Science of Science and Innovation Policy: Profiles of Innovativeness and Gaps in the Idea Innovation Network," Jerald Hage (PI) and **Jonathon Mote** (Co-PI), National Science Foundation. Amount: \$448,000. Project Period: 01/01/08 - 12/31/10.

Working Papers

The Social Context of Informal Commuting: Slugs, Strangers and Sociability (with Y. Whitestone). Under review at Transportation Research A.

R&D Integration: How to Build a Diverse and Integrated Knowledge Community (with J. Hage). Under review at Organization Studies.

Transformational Organizations and a Burst of Scientific Breakthroughs: Institut Pasteur and Biomedicine, 1889-1918 (with J. Hage). Under review at Social Science History.

Measuring Organizational Change Through Workers Perceptions (with J. Hage).

Networks, Organizations and Innovation: A General Theory and Research Program (with J. Hage and G. Jordan).

Sometimes Connect: Circuits and the Culture of Social Networks.

The Dynamics of Interorganizational Linkages: Venture Capital Firms and Emerging Companies in Philadelphia

Consulting Reports

“A Longitudinal Study of the STAR Research Environment: Changes in the Perceptions of the Research Scientists Between 2005 and 2007.” With Jerald Hage and Gretchen Jordan. Report to NOAA’s Center for Satellite Applications and Research. May 2008.

“An Analysis of the Federal Funding System For Academic R&D in the United States.” Report to Industry Canada. May 2008.

“Stimulating Innovation: Practical Suggestions for Project Leaders and Managers.” With Jerald Hage. Report to Sandia National Laboratories. October 2007.

“The Economic Benefits of Satellite, Remotely-sensed Data.” With Jerald Hage. Report to NOAA’s Center for Satellite Applications and Research. January 2007.

“Innovation at the Center for Satellite Applications and Research.” With Jerald Hage. Report to NOAA’s Center for Satellite Applications and Research. January 2007.

“Perceptions of the STAR Research Environment: Kinds of Research and Kinds of Research Projects.” With Jerald Hage and Gretchen Jordan. Report to NOAA’s Office of Research and Applications. March 2006.

“Perceptions of The ORA Research Environment and Areas to Investigate for Improvement: A Preliminary Report on the Results of the Research Environment Survey.” With Jerald Hage and Gretchen Jordan. Report to NOAA’s Office of Research and Applications. August 2005.

A Framework for Performance Management for the Office of Research and Applications in the National Ocean and Atmospheric Administration. With Jerald Hage and Gretchen Jordan. Report to NOAA’s Office of Research and Applications. May 2005.

“The Importance of Leadership in the Formation of a New Department: A Report on the Science and Technology Department for the Neutron Generator (14425).” With Jerald Hage and Gretchen Jordan. Report to Sandia National Laboratories. March 2005.

“Employee Attitudes on the Research/Work Environment for the Microsystems and Engineering Science Applications (MESA) Technical Operations Prototype (TOP).” With Jerald Hage and Gretchen Jordan. Report to Sandia National Laboratories. April 2004.

“Measuring Technical Progress and R&D Profiles in Sandia’s ST&E SMU.” With Jerald Hage and Gretchen Jordan. Report to Sandia National Laboratories. December 2003.

“An Overview and Assessment of the Targeted Neighborhood Initiative.” Report to the Targeted Neighborhood Initiative, a program of The Pew Charitable Trusts. March 2003.

“No Place Like Home: Philadelphia’s Blockscape Demonstration.” With Beverly Coleman. Report to the Targeted Neighborhood Initiative, a program of The Pew Charitable Trusts. March 2002.

Book Reviews and Other Publications

Mote, J. “Venture Capital.” Forthcoming in the *The Blackwell Encyclopedia of Sociology*, George Ritzer (ed.).

Mote, J. “Inflation” and “Mixed Economy.” 2008. *Sage Encyclopedia of Social Problems*, Vincent Parillo (ed.). Thousand Oaks, CA: Sage.

Hage, J.; Jordan, G., and **Mote, J.** 2007. “R&D Integration: How to Build a Diverse and Integrated Knowledge Community.” *Proceedings of the 2007 Portland International Conference on Management of Engineering and Technology (PICMET)*.

Mote, J. E. Review of *The Spatial Construction of Organization*, by Tor Hernes. *Contemporary Sociology*, 34, 4 (July 2005), 381-382.

Colton, Marie, A. Powell, G. Jordan, J. Hage and **J. Mote.** 2004. “Minding the gaps: new insights into R&D management and operational transitions of NOAA satellite products.” *Proceedings of the International Society for Optical Engineering (SPIE)*, 5548: 1-10.

Mote, J. E. Report on Economic Sociology at the 2004 ASA Conference. *European Economic Sociology Newsletter*, 6, 1 (October 2004), 35-36.

Mote, J. E. Review of *The Architecture of Markets: An Economic Sociology of Twenty-First Century Capitalist Societies*, by Neil Fligstein. *Journal of Economic Issues*, 37, 1 (March 2003), 219-221..

Mote, J. E. Review of *How to Be Human: Though an Economist*, by Deirdre N. McCloskey, *Review of Political Economy*, 15, 1 (January 2003), 125-126.

Mote, J. E. Sociology and Social Interactions: A Comment. *The Journal of Economic Perspectives*, 15, 3 (Summer 2001), 259-260.

Mote, J. E. Review of *The Laws of Markets*, by Michel Callon, *Contemporary Sociology*, 29, 5 (September 2000), 730-731.

Mote, J. E. Review of *Max Weber and the Idea of Economic Sociology*, by Richard Swedberg, *The Journal of Economic Issues*, 33, 4 (2000), 1040-1042.

Mote, J. E. Review of *Economics and Reality*, by Tony Lawson, *The Journal of Economic Issues*, 31, 4 (December 1997), 1089-1093.

Recent Presentations

“Measuring the Immeasurable: Innovation and the Economics Benefits of Satellite Data.” Presented at the 2007 Annual Conference of the American Evaluation Association, November 2007.

“The Social Context of Informal Commuting: Slugs, Strangers and Sociability.” Presented at the NSF Workshop on Frontiers in Transportation, Amsterdam, Netherlands, October 2007.

“Networks, Organizations and Innovation: A General Theory and Research Program.” Presented at the 2007 Atlanta S&T Policy conference, Atlanta, GA, October 2007.

“In Democracy, Art is Property: The Democratization and Consumption of High Culture.” Presented at the 2007 CSRN Mini-conference, New York, NY, August 2007.

“R&D Integration: How to Build a Diverse and Integrated Knowledge Community.” Presented at the 2007 Portland International Conference on the Management of Engineering and Technology, Portland, OR, August 2007.

“New Directions in the Use of Network Analysis in R&D Evaluation.” Presented at the 2006 Annual Meeting of the American Evaluation Association, Portland, OR, October 2006.

“Perceptions of the Research Environment: Examining the Role of Researchers’ Networks.” Presented at the 2006 Annual Conference of the American Sociological Association, Montreal, Canada, August 2006.

“New Directions in the Use of Network Analysis in R&D Evaluation.” Presented at the 2006 Atlanta Conference on S&T Policy, Atlanta, GA, May 2006.

“Perceptions of the Research Environment: Examining the Role of Researchers’ Networks.” Presented at the 2006 Sunbelt International Social Network Conference, Vancouver, BC, Canada, April 2006.

“Measuring Radical Innovation in Real-time.” Presented at the 2006 Annual Meeting of the American Association for the Advancement of Science, St. Louis, MO, February 2006.

“Developing Real-time Measures of Technical Innovation for Research Organizations.” Presented at the 2005 Joint Meeting of the American Evaluation Association and the Canadian Evaluation Society, Toronto, Ontario, October 2005.

"Slugs and Bodysnatchers: Institutionalization, Strangers and Sociability (with Yuko Kurashina)." Presented at the 2005 Annual Meeting of the American Sociological Association, Philadelphia, PA August 2005.

"The Formation and Evolution of Interorganizational Linkages: Venture Capital and Philadelphia, 1980-1999." Presented at the 2005 Sunbelt International Social Network Conference, Redondo Beach, CA, February 2005.

“Sometimes Connect: Circuits and the Culture of Social Networks.” Presented at Culture and the Economy panel session (Paul Hirsch, organizer) at the 2004 Annual Meeting of the American Sociological Association, San Francisco, CA, August 2004.

“Ben Franklin and Venture Capital: The Philadelphia Experience.” Presented the 2004 Annual Meeting of the Society for the Advancement of Socioeconomics, Washington, DC, July 2004.

“Using 2-mode Network Analysis to Understand Complexity in R&D Environments.” Presented at the 2004 Sunbelt International Social Network Conference, Portoroz, Slovenia, May 2004.

Teaching Experience

BSOS Teaching Excellence Award (Nominee), 2008.

Lecturer, Department of Sociology, University of Maryland. Courses taught:
Principles of Organizations – Fall 2007, Fall 2005, Fall 2003.
Sociological Theory – Spring 2007, Spring 2006, Fall, 2004.
Social Problems – Spring 2008 (Honors), Fall 2006, Spring 2005, Spring 2004.

Instructor, Institute of Advanced Law Enforcement Studies, University of Maryland. Courses taught:
Understanding Organizational Culture to Improve DUI Enforcement - Summer 2008, Summer 2006, Fall 2005, Summer 2005.

Instructor, Department of Sociology Mount Mercy College (Cedar Rapids, IA). Courses taught:
Introduction to Sociology – Fall 2002 (two sections), Spring 2003.
Perspectives of Sociological Thought – Spring 2003.

Teaching Assistant, Department of Sociology, University of Pennsylvania. Fall 1997-Fall 1999. Courses included: Introduction to Sociological Methods (Koppel), Introduction to Sociological Methods (Smith), American Society (Berg), Population and Society (Van De Walle), and Deviance and Social Control.

University Service

University Senate Committee on CORE Liberal Arts & Sciences, University of Maryland (2007-present)

Other Activities

Invited Participant, NSF Thought Leaders Workshop on the Evaluation of Engineering Education Research. May 2008.

Local Organizer, 2004 Annual Meeting of the Society for the Advancement of Socio-Economics, Washington, DC.

Organizer, Poster Session on Information Technology. 2002 ASA Annual Meeting, Chicago, IL.

Member, Nominating Committee, Economic Sociology Section of the ASA. 2000-2002.

Project and Editorial Assistant, Second Annual Economic Sociology Conference and Related Volume (*The New Economic Sociology*, Russell Sage Foundation Press, May 2002). 2000.

Organizer (volunteer), Economic Sociology Editorial Series, ASA Economic Sociology Section Listserv. 1997-2000.

Research Assistant, Philadelphia Metropolitan Project, Wharton Real Estate Center. Anita Summers, Principal Investigator. Summer 1998.

Occasional Reviewer, *Journal of Economic Issues*, *The Sociological Quarterly*, *American Sociological Review*, *Academy of Management*, *New Directions in Evaluation*, *Research Evaluation*, *Sociological Perspectives*.

Honors and Awards

BSOS Teaching Excellence Award (Nominee), 2008.
Princeton/Russell Sage Foundation Travel Award, 2001.

GSAC Travel Award, University of Pennsylvania, 2001.
Educational Fellowship, University of Pennsylvania, 2000-2001.
Gertrude and Otto Pollack Summer Research Fellowship, Summer 2000.
Penn Graduate Fellowship, University of Pennsylvania, 1997-2000.
Institutional Economics Essay Prize, Association for Evolutionary Economics, 1994.

Memberships

American Sociological Association
Academy of Management
International Network for Social Network Analysis

Selected Professional Experience

Consultant, August 2000-2003. Conducted research and evaluation on urban and community development projects.

Program Associate, The Targeted Neighborhood Initiative, June 1999 to August 2000. Assisted with program implementation of multi-site urban development demonstration project.

Program Associate, Fund for Urban Neighborhood Development, January 1997 to June 1999. Areas of focus: Urban economic and community development and housing finance.

Program Associate, Venture Fund, The Pew Charitable Trusts, January 1995 to January 1997. Areas of focus: Regional and rural development and nonprofit infrastructure.