

## JAMES A. KITTS

### OFFICE

Department of Sociology  
University of Massachusetts  
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### HOME

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## Academic Positions

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### University of Massachusetts

2016- Professor, Sociology  
2013- Associate Professor, Sociology  
Director, [Computational Social Science Institute](#)  
Affiliate, [Center for Data Science](#)

### Columbia University

2007-2013 Assistant Professor, Management  
Affiliate, [Institute for Data Sciences & Engineering](#)

### Dartmouth College

2006 Visiting Research Professor, Department of Sociology  
Research Fellow, [Institute for Security, Technology, and Society](#)

### University of Washington

2000-2007 Assistant Professor, Department of Sociology  
Affiliate, [Center for Statistics and the Social Sciences](#)  
Affiliate, [Center for Studies in Demography and Ecology](#)

Expertise: *Social Networks, Computational Social Science, Organizations, Medical Sociology, Social Psychology, Public Health, Social Movements, Demography and Ecology*

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## Education

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### Cornell University

2001 Ph.D. Sociology  
1998 M.A. Sociology  
Committee: *Michael Macy; Sidney Tarrow; Edward Lawler; Ronald Breiger*

### University of Michigan

1995 M.S. Natural Resource Policy and Behavior  
Committee: *Patrick West; Max Heirich*

### Oberlin College

1992 B.A. Environmental Studies

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## Federal Grants

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[National Institutes of Health](#) (2016-) *Principal Investigator* (joint with John R. Sirard), “R01: Identifying Mechanisms of Peer Influence on Youth Weight-Related Behaviors.” \$3,062,718.

[National Institutes of Health](#) (2014-) *Principal Investigator*, “R25: Open Access Systems Science Methodology Resources for Population Health Research.” \$1,010,052 [Rejected, revising for resubmission.]

[National Science Foundation](#) (2014-) *Co-Investigator*, “RIPS Type 2: Crowdsourcing, Behavioral Modeling, and Adaptive Scheduling Solutions for Efficient and Resilient Transportation Systems.” \$1,902,165 [Rejected, in Development.]  
Principal Investigator: Sandip Kundu.

[National Science Foundation](#) (2004-2009), *Co-Investigator*, “Creating Dynamic Social Network Models From Sensor Data.” \$755,476. Principal Investigator: Henry Kautz.

[National Science Foundation](#) (2004-2008), *Principal Investigator*, “Disseminating Computational Modeling in the Social Sciences.” \$93,964.

[National Science Foundation](#) (2006-2008), *Principal Investigator*, “Modeling Social Dynamics.” \$47,702.

[National Science Foundation](#) (1998-2001), Dissertation Improvement Grant, “The Wages of Altruism: Solidarity and the Organizational Structure of American Communes” \$7,468. Advisor: Michael Macy.

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## Corporate, Foreign, and Institutional Grants

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[University Grant Committee of Hong Kong](#), *Co-Investigator* “Carrots or Sticks? A Comparison of Positive and Negative Selective Incentives in the Emergence of Collective Action and Antisocial Norms.” HK\$340,000 (~US\$43,870) [In Review.]  
Principal Investigator: Yen-Sheng Chiang.

[College of Social & Behavioral Sciences / Public Health Seed Grant](#) (2015-16)  
*Principal Investigator* (joint with John R. Sirard), “Identifying Mechanisms of Peer Influence on Youth Weight-Related Behaviors.” \$14,000.

[Investigator Initiated Workshop Grant](#) (2016) *Computational Social Science and Public Health Research*. Office of Research Development. \$1,712.

[Procter & Gamble Higher Education Grant](#), “Developing Future Leaders Through Computational Social Science.” *Principal Investigator* \$10,000. [Rejected, in Revision.]

[American Sociological Association](#) (2014-15) “Interactive Tools for Teaching, Learning, and Investigating Dynamic Models of Social Processes.” *Principal Investigator* \$1,990.

[Center for Teaching & Faculty Development](#) (2013-14) Flex Grant. \$500.

[Economic & Social Research Council / SSRC](#) (2009), UK-US Visiting Fellowship. \$7,514

[Microsoft Research](#) (2003-5), Research Support, \$15,488.

[Center for Statistics and the Social Sciences](#) (2003-2005), *Principal Investigator*, “Mining Dynamic Two-Mode Network Data.” \$15,706.

Faculty Development Award (2000), University of Washington.

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## Research Honors, Awards, and Fellowships

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Frankfurt Institute for Advanced Studies (2012) Ernst Strüngmann Forum, Participant.  
University of Lugano, University of Italian Switzerland (2012), Visiting Scientist.  
Swiss Federal Institute of Technology, ETH Zürich (2011), Visiting Scientist.  
National Academy of Sciences (2008), France-US *Frontiers of Science* Symposium Invitee.  
American Sociological Association (2007), Award: Best Article in Mathematical Sociology.  
Social Policy Evaluation and Research Committee (SPEaR) (2007), Speaker Award.  
Institute for Security Technology Studies (2006), Dartmouth College, Research Fellow.  
Social Networks and Social Capital (2005), Ohio State University, Junior Scholar.  
American Sociological Association (1999), Award: Best Grad Paper in Rational Choice.

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## Peer-Reviewed Research Articles

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### *Social Network Analysis and Theory*

Kitts, James A. Lomi, Alessandro, Mascia, Daniele, Pallotti, Francesca, and Eric Quintane. “Investigating the Temporal Dynamics of Interorganizational Exchange: Patient Transfers Among Italian Hospitals.” *American Journal of Sociology* 123(3): xx-xxx, November 2017.

Kitts, James A. “Beyond Networks in Structural Theories of Exchange: Promises from Computational Social Science.” *Advances in Group Processes*. Vol. 31, 2014.

Goodreau, Steven, Kitts, James A., and Martina Morris. “Birds of a Feather or Friend of a Friend? Using Exponential Random Graph Models to Investigate Adolescent Friendship Networks.” *Demography*, 46(1): 103-125, February 2009.

Kitts, James A. “Social Influence and the Emergence of Norms Amid Ties of Amity and Enmity.” *Simulation Modelling Practice and Theory*, 14(3), 407-422, March 2006.

Macy, Michael, Kitts, James A., and Andreas Flache. “Polarization in Dynamic Networks: A Hopfield Model of Emergent Structure.” – Pp. 162-173 in *Dynamic Social Network Modeling and Analysis*. Washington, DC: National Academies Press, 2003.

### *Social Norms and Group Dynamics*

Kitts, James A., Leal, Diego, Jones, Thomas M., Felps, Will, and Shawn Berman. “Greed and Fear in Network Reciprocity: Implications for Inter-Organizational Cooperation” *PLoS ONE* 11(2): e0147264, February 2016.

Kitts, James A. “Dynamics and Stability of Collective Action Norms.” *Journal of Mathematical Sociology*, 32(2): 1-22, April 2008.

Kitts, James A. “Collective Action, Rival Incentives, and the Emergence of Antisocial Norms.” *American Sociological Review*, 71(2): 235-259, April 2006.

Kitts, James A. “Egocentric Bias or Information Management? Selective Disclosure and the Social Roots of Norm Misperception.” *Social Psychology Quarterly*, 66(3): 222-237, 2003.

### ***Computational Social Science, Wearable Sensors, and Online Exchange***

- Kitts, James A. “[Heterogeneity, Turnover, and the Dynamics of Organizational Demography.](#)” [Accepted at *Computational and Mathematical Organizational Theory*; in revision]
- Mäs, Michael, Flache, Andreas, and James A. Kitts. “[Cultural Integration and Differentiation in Groups and Organizations.](#)” *Perspectives on Culture and Agent-Based Simulations: Integrating Cultures*. Edited by Dignum, Virginia, Dignum, Frank. Springer, 71-90, 2014.
- Wyatt, Danny, Choudhury, Tanzeem, Bilmes, Jeff, and James A. Kitts. “[Inferring Colocation and Conversational Networks Using Privacy-Sensitive Audio.](#)” *ACM Transactions on Intelligent Systems and Technology*, 2(1):7.1–7.41, January 2011.
- Wyatt, Danny, Choudhury, Tanzeem, Bilmes, Jeff, and James A. Kitts. “[Towards the Automated Social Analysis of Situated Speech Data.](#)” *Proceedings of the 10<sup>th</sup> International Conference on Ubiquitous Computing*, 168-171, September 2008.
- Lin, Zhiang, Kitts, James A., Yang, Haibin, and J. Richard Harrison. “[Elucidating Strategic Networks Through Computational Modeling.](#)” *Computational and Mathematical Organization Theory*, 14(3): 175-208, September 2008.
- Kitts, James A. and Paul T. Trowbridge. “[Shape Up Or Ship Out: Social Networks, Turnover, and Organizational Culture.](#)” *Computational and Mathematical Organization Theory*, 13(4): 333-353, December 2007.
- Kitts, James A., Macy, Michael, and Andreas Flache “[Structural Learning: Attraction and Conformity in Task-Oriented Groups.](#)” *Computational and Mathematical Organization Theory*, 5(2): 129-145, 1999.

### ***Social Movement Organizations and Social Networks***

- Kitts, James A. “[Paradise Lost? Age Dependent Mortality of American Communes.](#)” *Social Forces*, 87(3): 1193-1222, March 2009.
- Kitts, James A. “[Mobilizing in Black Boxes: Social Networks and Participation in Social Movement Organizations.](#)” *Mobilization*, 5: 241-257, October 2000.
- Kitts, James A. “[Analyzing Communal Life Spans: A Dynamic Structural Approach.](#)” *Communal Societies*, 20: 13-25, Fall 2000.
- Kitts, James A. “[Not in Our Backyard: Solidarity, Social Networks, and the Ecology of Environmental Mobilization.](#)” *Sociological Inquiry*, 69: 551-574, Fall 1999.

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### **Pending Projects**

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- Kitts, James A. “Rethinking Networks in the Era of Computational Social Science.”
- Wyatt, Danny, Choudhury, Tanzeem, Bilmes, Jeff, and James A. Kitts. “Network Prominence and Social Influence in Face-to-face Conversations.”
- Kitts, James A. and Yen-Sheng Chiang. “Splitting Carrots or Splitting Sticks? Implications of Rivalness for Positive and Negative Incentives in Social Dilemmas.”
- Kitts, James A. and Katie E. Corcoran. “Community Ecology: Mutualism, Competition, and the Dynamics of Millenarian and Utopian Movements.”

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### Non-Reviewed Research Chapters

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- Carel van Schaik, Pieter Francois, Herbert Gintis, Daniel Haun, Daniel J. Hruschka, Marco A. Janssen, James A. Kitts, Laurent Lehmann, Sarah Mathew, Peter J. Richerson, Peter Turchin, Polly Wiessner. “[Cultural Evolution of the Structure of Human Groups](#)” *Cultural Evolution: Society, Technology, Language, and Religion*. Cambridge: MIT Press, 87-116, 2014.
- Anthony, Denise, Kitts, James A., Masone, Christopher and Sean W. Smith. “[Internet Exchange and Forms of Trust](#).” In *Trust and Technology in a Ubiquitous Modern Environment*. Edited by Dominika Latusek and Andrea Gerbasi. IGI Global, 2010.
- Anthony, Denise, Henderson, Tristan, and James A. Kitts. “[Trust and Privacy in Distributed Work Groups](#).” *Social Computing and Behavioral Modeling*, Edited by Huan Liu, Michael J. Young, and John J. Salerno. New York: Springer, 2009.
- Kitts, James A. and Tanzeem Choudhury. 2007. *Modeling Social Dynamics: Sharing Perspectives Across Disciplines*. Co-editor. National Science Foundation Report.

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### Encyclopedia Chapters

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- Mäs, Michael and James A. Kitts. “[Social Influence and the Emergence of Cultural Norms](#).” In *Encyclopedia of the Sciences of Learning*, Springer Publications, 2012.
- Corcoran, Katie E. and James A. Kitts. “[Communitarianism: Industrial Experiments](#).” In *Encyclopedia of American Reform Movements*, Facts on File, 2012.
- Kitts, James A. and Jun Huang. “[Triads](#).” In *Encyclopedia of Social Networks*, Sage Publications, 2011.
- Torfason, Magnus T. and James A. Kitts. “[Prominence](#).” In *Encyclopedia of Social Networks*, Sage Publications, 2011.
- Kitts, James A. and Yen-Sheng Chiang. “[Norms](#).” In *Encyclopedia of Social Problems*, Sage Publications, 2008.
- Kitts, James A. and Blaine Robbins. “[Prestige](#).” In *Encyclopedia of Social Problems*, Sage Publications, 2008.
- Wallner, Courtney Muir and James A. Kitts. “[The Hutterites](#).” In *Encyclopedia of the Great Plains*, University of Nebraska Press, 2004.

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### Teaching Cases and Articles

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- Abrahamson, Eric, Jick, Todd, and James A. Kitts. *Navigating Organizational Politics: The Case of Kristen Peters* (A Case, B Case, Teaching Note). Columbia CaseWorks 090401A, 090401B, 090401TN, 2014.
- Abrahamson, Eric, Kitts, James A., and Ozgecan Kocak. *Jean Spire at Teleswitches*. Columbia CaseWorks, 2009.
- Kitts, James A. “Using Utopian Experiments to Convey Sociological Theory.” In *Utopian Thinking in Sociology*. Arthur B. Shostak, Ed. American Sociological Association, 2001.

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## Book Reviews

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Kitts, James A. *Schelling, Thomas C. Strategies of Commitment*. Reviewed in *Contemporary Sociology*, 37(5): 486, 2008.

Kitts, James A. *Hicks, George L. Experimental Americans: Celo and Utopian Community in the Twentieth Century*. Reviewed in *Contemporary Sociology*, 31(4): 444-446, 2002.

Kitts, James A. *Seymour, Richard. Compost College: Life on a Counter-culture Commune*. Reviewed in *Utopian Studies* 9(2): 316-18, 1999.

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## Authored Software

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“Matnet” Matlab package for fitting exponential family random graph models of social networks, using maximum pseudolikelihood estimation.

“NetWorks” Network analysis suite for Windows; includes numerous network routines, measuring structural similarity, node position, and global graph properties.

“Structural Learning” and “NetLearn” Virtual laboratories for an attractor neural network simulation of collective action and a three-layer back-propagation neural network.

“Iterated Game Arena” Executes round-robin iterated game tournaments.

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## Invited Talks

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“Rethinking Social Networks in the Age of ‘Big Brother’: Challenges from Computational Social Science”

- University of Massachusetts Medical School, *Quantitative Health Sciences* (March, 2017)
- University of Nevada, *Sociology Colloquium* (April 14, 2017)
- Yale University, *Networks and Events Workshop* (September 16, 2016)
- Center for Clinical & Translational Science, *Research Retreat* (May 20, 2016)
- Dartmouth College, *Novel Data for the Social Sciences Mini-Conference* (April 8, 2016)
- Duke University, *Sociology Colloquium* (October 16, 2015)
- University of Massachusetts, *Sociology Colloquium* (September 30, 2015)
- University of Georgia, *Computational Social Science Working Group* (February 4, 2015).

“Group Processes, Social Norms, and Local Network Dynamics”

- Arizona State University, *School of Public Affairs Colloquium* (September 6, 2013).
- Columbia University, *Quantitative Methods in the Social Sciences* (February 27, 2013).
- University of Washington, *Management & Organizations Seminar* (February 8, 2013).
- University of Bologna, *Management Science Seminar* (June 19, 2012).
- Northeastern University Seminar on *Computational Social Science* (April 27, 2012).
- University of Massachusetts Seminar on *Computational Social Science* (March 16, 2012).
- University of California, Berkeley Haas *MORS Colloquium* (March 6, 2012).
- University of Pennsylvania, *Sociology Colloquium* (February 29, 2012).
- Columbia University, *Decision & Negotiations Colloquium* (February 23, 2012).

- United States Military Academy *Minerva Chair Series Lecture* (December 14, 2011).
  - McGill Desautels *Management Seminar* (November 30, 2011).
  - University of Pennsylvania *Philosophy, Politics, & Economics* series (November 2, 2011).
  - University of British Columbia Vancouver *Distinguished Speaker series* (October 14, 2011).
  - University of Antwerp Seminar on *Organizational Ecology* (September 29-30, 2011).
  - Rotterdam School Seminar on *Organizational Behavior* (September 27, 2011).
  - HEC Paris Seminar on *Organizational Behavior* (September 22, 2011).
  - Bocconi University Seminar on *Social Dynamics* (May 31, 2011).
  - University of Lugano Seminar on *Organizations and Markets* (May 26, 2011).
  - Cambridge University *Computer Lab speaker series* (May 10, 2011).
  - Oxford University Seminar on *Social Network Analysis* (May 9, 2011).
  - Columbia University Seminar on *Social Networks* (March 9, 2011).
  - University of Massachusetts Seminar on *Computational Social Science* (March 4, 2011).
  - Swiss Federal Institute of Technology (ETH) Seminar on *Sociology* (January 17, 2011).
  - London Business School Seminar on *Organizational Behavior* (October 28, 2010).
  - London School of Economics Seminar on *Organizational Behavior* (October 25, 2010).
- “Modeling Social Dynamics” – *Human and Social Dynamics Principal Investigators Meeting*, National Science Foundation, (September 28, 2010; October 2, 2007; September 14, 2006).
- “Measuring and Modeling Social Interaction in Multiple Networks Over Long Time Scales” – Oxford University Seminar on *Social Network Analysis*, UK, (June 7, 2010).
- “Teaching Computational Modeling” – University of Surrey, UK (January 12, 2010).
- “Dynamics of Convergence and Segmentation in Social Networks” – National Academy of Sciences *Frontiers of Science Symposium*, Roscoff, France (November 19-23, 2008).
- “Utopian Communes as Natural Experiments in Organizational Behavior.” – Columbia University Graduate School of Business, (December 12, 2006).
- “Attitude Polarization, Structural Bifurcation, and Cooperation” – Cornell University Sociology, (November 11, 2006).
- “Collecting Longitudinal Social Network Data with Sensor Networks” – *Center for Mobile Computing*, Dartmouth College, (March 30, 2006).
- “Disseminating Computational Modeling in the Social Sciences” – *Human and Social Dynamics Principal Investigators Meeting*, National Science Foundation, (September, 2005).
- “Computing Hell: Simulation Experiments on Deleterious Norms and Team Productivity” – Columbia Business School, Seminar on *Management*, (November 2, 2004).
- “Dynamic Networks and Dilemmas of Informal Control” – University of Texas Dallas School of Management, Seminar on *Organizations, Strategy, and International Management*, (January 30, 2004).
- “‘Coupled Clocks’ in Age-Dependent Mortality: Organizations and their Blueprints” – Stanford Business School Seminar on *Organizational Behavior* (May 28, 2003).

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### Didactic Workshops and Seminars (1-3 days)

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“Mini-Course: Computational Modeling in the Social Sciences”:

- Sun Yat-Sen University; Guangzhou, China. (August 4-5, 2016)
- University of Massachusetts *Institute for Social Science Research*  
(May 14-15, 2013) (May 21-23, 2014) (Sept 2-5, 2014)  
(August 27-29, 2015) (August 29-30, 2016)
- University of Arizona *Methods Workshops* (January 3-5, 2013).
- American Sociological Association *Didactic Workshop* (August 13, 2010)
- University of Surrey, UK (May 11, 2010)
- Victoria University of Wellington, NZ, (February 22, 2007).
- University of Auckland, NZ, (February 19, 2007).

American Sociological Association Workshops:

- “Teaching, Learning, and Investigating Dynamic Models” Chicago, IL (2015)
- “Agent-Based Computational Modeling” New York, NY (2013).
- “Social Simulation” Denver, CO (2012).
- “Computational Modeling and Social Theory” Philadelphia (2005).

Columbia University Management Proseminars:

- “Design and Evaluation of Computational Experiments”  
(April 9, 2008) (January 21, 2009) (February 3, 2010) (October 6, 2010)

Academy of Management Professional Development Workshops

- “Publishing Simulation Research in Organization Theory” Anaheim, CA (2008).
- “Simulation in Organization Theory” Philadelphia, PA (2007).

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### Conference Presentations

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“Carla Howery Teaching Enhancement Grant Presentation.” *Meeting of the American Sociological Association*, Chicago, IL (2015).

“Beyond Networks: Promises from Computational Social Science”

- *International Network of Analytical Sociologists Conference*, Cambridge, MA (2015).
- *Meeting of the American Sociological Association*, San Francisco, CA (2014).

“Social Networks and the Dynamics of Social Interaction: Surveys, Sensors, and Event Logs”

- *University of Massachusetts Data Science Symposium*, Amherst, MA (2015).

“Being Different vs. Being Special. A Simulation Study on the Macro-effects of Alternative Differentiation Mechanisms” *Meeting of the American Sociological Association*, San Francisco, CA (2014). (With Michael Maes and Andreas Flache.)

“Beyond Inter-Organizational Ties: Dynamics of Exchange among Italian Hospitals.”  
(with Alessandro Lomi, Daniele Mascia, Francesca Pallotti, and Eric Quintane)

- *NIH Conference on Complex Systems, Health Disparities & Population Health* (2014).
- *Meeting of the American Sociological Association*, New York, NY (2013).
- *Group Process Conference*, New York, NY (2013).



- “Social Networks and Social Interaction, Three lenses: Self-Reported Relationships, Wearable Sensors, and Exchange Event Logs”
- University of Maryland, *Complexity in Business Conference*, DC (2012).
  - Columbia University, *Computational and Online Social Science*, New York (2012).
  - New York University, *Workshop on Networks and Information*, New York (2012).
  - Lawrence Livermore National Laboratory, *Network Science Conference* (2012).
- “Social Networks and Organizations.” Session Organizer. *Meeting of the American Sociological Association*, Las Vegas, NV (2011).
- “Undermining Order: A Dynamic Network Simulation Analysis.” *Meeting of the American Sociological Association*, Las Vegas, NV (2011). (With Magnus Torfason)
- “Teams and Local Network Dynamics.” *Complexity in Business Conference*, DC (2010).
- “Dynamics of Networks Within Groups.” *Group Process Conference*, Atlanta, GA (2010).
- “Building Rational Choice Theories.” Session Organizer. *Meeting of the American Sociological Association*, San Francisco, CA (2009).
- “Issues in the Design and Evaluation of Computational Experiments” *Joint Japan – North America Conference on Mathematical Sociology*, Redondo Beach, CA (2008).
- “Creating Dynamic Social Network Models With Sensor Data.” – *Sunbelt International Conference on Social Networks* (2006). (With Danny Wyatt, and Tanzeem Choudhury.)
- “[Birds of a Feather or Friend of a Friend: Using Statistical Network Analysis to Investigate Adolescent Friendship Networks.](#)” – *Sunbelt International Conference on Social Networks* (2006). (With Steven Goodreau and Martina Morris.)
- “[Social Influence Amid Ties of Amity and Enmity: A Computational Ethnography.](#)” *Meeting of the American Sociological Association*, San Francisco (2004).
- “Convergence, Polarization and the Emergence of Ideology: A Model of Preference Diffusion in Closed Systems.” Presented at the meeting of the *Western Political Science Association*, Portland (2004). (With John Alquist and Yen-Sheng Chiang.)
- “[Productive Competition? Hybrid Control Systems and the Divergence of Formal and Informal Norms.](#)” *Meeting of the American Sociological Association*, Atlanta (2003).
- “[Shape Up or Ship Out: Socialization, Attrition, and Organizational Stability.](#)” *Meeting of the American Sociological Association*, Atlanta (2003). With Paul T. Trowbridge.
- “Evolution of Generalized Exchange under Adverse Conditions.” *Pacific Northwest Political Science Association*, Vancouver (2003). (With Paul T. Trowbridge.)
- “[Polarization in Dynamic Networks: A Hopfield Model of Emergent Structure.](#)” – *National Academy of Sciences Symposium on Dynamic Social Network Modeling and Analysis*, Washington, DC (2002) With Michael Macy and Andreas Flache.
- “[Bailing Out: An Elementary Model of Disaffiliation.](#)” *Meeting of the American Sociological Association*, Chicago (2002).
- “[Community Ecology: Organizational Dynamics and the Mortality of American Communes](#)” *Meeting of the American Sociological Association*, Anaheim (2001).

- “An Ecology of Utopia: Density Dependence in Mortality of American Communes“  
*Meeting of the American Sociological Association, Washington D.C. (2000).*
- “NetWorks – Structural Analysis Suite“ *Conference on Mathematical Sociology in Japan and America, Honolulu (2000).*
- “Mobilizing in Black Boxes: Social Networks and Participation in Social Movement Organizations.” *Meeting of the Eastern Sociological Society (2000).*
- “Profit in Exodus: Age Dependence in the Mortality of American Communes, 1620-1965.”  
*Meeting of the American Sociological Association, Chicago (1999).*
- “Publish or Punish: The Decoupling of Formal and Informal Norms.” *Meeting of the Eastern Sociological Society (1999).*
- “Online Anarchy: A Test of Network-Distributed Social Control.” *12<sup>th</sup> Annual Group Process Conference (1999).* With Michael Macy and Peter Kollock.
- “Egocentric Bias or Information Management? Social Roots of Norm Misperception.”  
*Meeting of the American Sociological Association, San Francisco (1998).*
- “Attractor Neural Network Models of Bivalent Interaction.” *Sunbelt International Conference on Social Networks (1998).* With Michael Macy and Andreas Flache.
- “Pragmatic Robots in a Clockwork World: Schematicity, Automaticity, and Radio Personalities.” *Meeting of the Eastern Sociological Society (1998).*
- “Group Mind: Using Neural Networks to Model Social Influence Processes.”  
*Meeting of the Northeast Cognitive Science Society (1998).*
- “The Weakness of Strong Ties II: Collective Action Failure in a Self-Organizing Social Network” *Meeting of the American Sociological Association, Toronto (1997).*  
With Michael Macy and Andreas Flache.
- “Not in *Our* Backyard: Solidarity and Social Networks in Mobilization Against Incinerator Sitings” *Meeting of the American Sociological Association, Toronto (1997).*
- “Communes as Dynamic Systems: A Fruitful Marriage of Structural and Historical Explanation“ *Meeting of the Communal Studies Association (1996).*
- “Commitment and Collective Action: Structure, Strategy, and Survival of American Communes“ *Meeting of the American Sociological Association, New York (1996).*
- “Eco-Racism? Environmental Equity Across the Rural/Urban Cleft“ *Conference on Race, Poverty, Research, and the Environment at Wayne State University (May, 1995).*

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## Editorial Positions

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Consulting Editor, *Sociological Science* (2017-).

Series Editor: *Computational Social Sciences*. Springer. 2013- [5+ volumes per year]

Editorial Board, *Social Psychology Quarterly* (2014-2016).

Area Editor, *Computational and Mathematical Organization Theory* (2003-).

Student Editorial Board, *Rationality and Society* (1999-2000).

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## Review Activities

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### Proposal Review Panelist

*National Institutes of Health* (2014-)

*Army Research Office* (2014)

*National Science Foundation* (2002-)

*Department of Defense* (2011-)

### Recent Ad Hoc Reviewer Service:

*American Sociological Review*

*American Journal of Sociology*

*Annals of Epidemiology*

*British Journal of Social Psychology*

*Computational Math Org Theory*

*European Sociological Review*

*Field Methods*

*Industrial and Corporate Change*

*J of Artificial Societies & Social Sim*

*J of Conflict Resolution*

*J of Mathematical Sociology*

*J of Social Structure*

*J for the Scientific Study of Religion*

*Management Science*

*Mobilization*

*Network Science*

*Organization Science*

*PLOS ONE*

*Political Behavior*

*Proc of the National Academy of Sciences*

*Rationality and Society*

*Simulation Modelling Practice and Theory*

*Small Group Research*

*Social Forces*

*Social Movements, Conflict and Change*

*Social Networks*

*Sociological Forum*

*Sociological Inquiry*

*Sociological Perspectives*

*Social Science Journal*

*Social Science Research*

*Social Psychology Quarterly*

### Book Manuscript Reviews:

*Ashbury Publishing*

*Chapman and Hall Press*

*Pine Forge Press*

*Rowman and Littlefield*

*Routledge Economics Books*

*Springer Publishers*

*Taylor & Francis Publishers*

*Worth Publishers*

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### **Recent University of Massachusetts Leadership and Service**

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[Research Council of the University of Massachusetts Faculty Senate](#) (2015-18), Member, Elected.  
VCRE Working Group on the Cost of Graduate Students to Grants (2016), Member  
[College of Information and Computer Sciences](#) (2015-16) Dean Search Committee, Member.  
[Computational Social Science Institute](#) (2014-), Director; (Founding Co-Director 2012-14).  
[College of Social and Behavioral Sciences](#) (2014-15), Interdisciplinary Search Committee Chair.  
[Computational Social Science Seminar](#) (2012-), University of Massachusetts, Co-Organizer.  
[Computational Social Science Mini-Conference](#) (2013), University of Massachusetts, Organizer.

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### **Recent Departmental Leadership and Service**

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Personnel Committee (2016-17), Department of Sociology, Co-Chair.  
Graduate Policy Committee (2015-16), Department of Sociology.  
Committee on Intellectual Activities (2013-14), Department of Sociology, Chair.

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### **Recent University of Massachusetts Service Talks**

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University of Massachusetts, Presentations for Graduate Students:  
*Professional Networking for the Tenure Track Job Market* (2016)  
*How to Get an NSF Graduate Research Fellowship* (2012-15)  
*La Dolce Vita: Is There a 'Right Way' to Make Your CV?* (2014)  
*How to Give a Job Talk* (2013)  
*Computer Models for Sociological Theory* (2013)

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### **Non-UMass Leadership, Administration, and Professional Service**

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[American Sociological Association](#) (2008-11, 2014-17); Mathematical Sociology Section council.  
[American Sociological Association](#) (2009-12); Rationality and Society Section council.  
[Academy of Management](#) (2009-12); Public and Nonprofit Membership council, chair.  
[Modeling Social Dynamics](#) (2006); National Science Foundation, workshop co-organizer.  
[Seattle Opera](#) (2005-2007); Board member & Vice President of Education for 500-member club.  
[Faculty Council on Educational Technology](#) (2002-2005); University of Washington, co-chair.  
[Center for Studies in Demography & Ecology](#) (2005-2006) Computing Core Advisory Board.  
[Discovery Seminar](#) Workshop Participant (2003, 2004); University of Washington.  
[Seattle Education Access](#) (2004); Organized computer drive for homeless youth.  
Resident Fellow, [Lloyd Scholars Program](#) (1994-1995); University of Michigan.  
[Rackham Graduate Student Government](#) (1993-1995); University of Michigan.  
Race, Poverty, Research, & the Environment (1995) Conference, Wayne State, Co-organizer.

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## Courses Developed and Instructed

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### University of Massachusetts

- [SOC 795E](#) – *Modeling Emergence: Social Simulation* (2014-).
- [SOC 397](#) – *Sects & Violence: Religious Innovation & Social Conflict* (2013-).

### Columbia University

- [B9712](#) – *Management Proseminar* (2010).
- [B5102](#) – *Power and Influence* (2008-).

### University of Washington

- [SOC 543](#) – *Group Solidarity* (2001-2007).
- [SOC 537](#) – *Modeling Emergence: Agent-Based Simulation* (2003-2006).
- [SOC 344](#) – *Social Cognition* (2001-2005).
- [SOC 590](#) – *Norms, Institutions, & Social Action* (2003).
- [SOC 445](#) – *Religious Movements: Sociology of Cults & Sects* (2002-2006).
- [SOC 345](#) – *Sects & Violence: Religious Innovation & Social Conflict* (2001-2007).

### Cornell University

- [SOC 195](#) – *Allies in Exile: Deviant Groups & Social Stigma* (1998).
- [SOC 190](#) – *Communes, Cults, & Charisma* (1996).

### University of Michigan

- [LHSP 165](#) – *American Utopian Experiments* (1995).
- [LHSP 125](#) – *Contemporary Environmental Activism* (1994).

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## Teaching Honors, Awards, and Fellowships

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[Institute for Teaching Excellence](#) (2001), University of Washington, Invited participant.

Tools For Transformation (2001), “Rethinking Quantitative Training” Invited participant.

[Buttrick Crippen Fellowship](#) (1997 - 1998), Cornell University Teaching Fellowship.

[John S. Knight Fellowship](#) (1996), Cornell University Teaching Fellowship.

[Lloyd Scholar](#) (1994 - 1995), University of Michigan Teaching Fellowship.

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### Past Graduate Students

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- Howard T. Welser* Degree: Ph.D. University of Washington  
*First job:* Postdoctoral position at Cornell University  
*Awards:* 2 Best papers in HICSS, Rational Choice  
*National Science Foundation Dissertation Grant*
- Magnus T. Torfason* Degree: Ph.D. Columbia University  
*First job:* Tenure track position at Harvard University  
*Awards:* 2 Best papers in Strategy & International Management, AOM
- Yen-Sheng Chiang* Degree: Ph.D. University of Washington  
*First job:* Postdoctoral position at Max Planck Institute  
*Awards:* 4 Best papers in Mathematical Sociology, Rational Choice  
*National Science Foundation Dissertation Grant*
- Russell P. Lemler* Degree: Ph.D. Columbia University  
*First job:* Tenure track position at US Military Academy, West Point
- Jun Huang* Degree: Ph.D. Columbia University  
*First job:* Tenure track position at KU Leuven
- Katie E. Corcoran* Degree: Ph.D. University of Washington  
*First job:* Postdoctoral position at Baylor University  
*Awards:* Best Dissertation; 2 Best papers in Religion, Rational Choice

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### Enrolled Students

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**Advisor:**

[Alexandra Casuso](#) (Sociology, Advisor)

[Hsinfei Tu](#) (Sociology, Advisor)

[Diego Leal](#) (Sociology, Advisor)

**Reader:**

[Anders Fremstad](#) (Economics) – First Job: Colorado State University, Economics

James Ben-Aaron (Political Science)

[Chia-Jung Lee](#) (Computer Science)

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**Graduate Research Assistants**

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<i>Heidi Berman</i>	University of Washington, Sociology
<i>Yen-Sheng Chiang</i>	University of Washington, Sociology
<i>Katie Corcoran</i>	University of Washington, Sociology
<i>Eric Gleave</i>	University of Washington, Sociology
<i>Paul Trowbridge</i>	University of Washington, Sociology
<i>Ranran Wang</i>	University of Washington, Statistics
<i>Chris Masone</i>	Dartmouth College, Computer Science
<i>Sara Sinclair</i>	Dartmouth College, Computer Science
<i>Haining Fu</i>	Columbia University, Operations Research
<i>Jiong Gu</i>	Columbia University, Statistics
<i>Jun Huang</i>	Columbia University, Management
<i>Magnus Torfason</i>	Columbia University, Management
<i>Xiaomu Wu</i>	Columbia University, Chemistry
<i>Xi Zou</i>	Columbia University, Management
<i>Hsinfei Tu</i>	University of Massachusetts, Sociology
<i>Diego Leal</i>	University of Massachusetts, Sociology
<i>Alex Casuso</i>	University of Massachusetts, Sociology

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**Undergraduate Research Assistants**

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<i>Michael Avissar</i>	Cornell University, Sociology
<i>David Baharvar</i>	Cornell University, Sociology
<i>Peter DiValentin</i>	University of Washington, Engineering
<i>William Litsch</i>	University of Washington, Physics and Applied Mathematics

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**Affiliations**

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**[American Sociological Association](#)**

- *Organizations, Occupations, and Work*
- *Collective Behavior and Social Movements*
- *Mathematical Sociology*
- *Medical Sociology*
- *Social Psychology*
- *Rationality and Society*

**[International Network for Social Network Analysis](#)**

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**Languages**

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English (native), German (intermediate), Italian (weak), Matlab, Delphi, Mathematica, R