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Academic Positions

[University of Massachusetts](#)

2016- Professor, Sociology
2013-2016 Associate Professor, Sociology
 Founding 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, Adolescent Health, Computational Social Science, Medical Sociology, Social Psychology, Demography and Ecology, Social Movements, Organizations*

Education

[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; Dorceta Taylor; Max Heirich*

[Oberlin College](#)

1992 B.A. Environmental Studies

Federal Grants

[National Institutes of Health](#) (2016-2023) *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.]

[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.] *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.

Corporate, Foreign, and Institutional Grants

[College of Social & Behavioral Sciences / Public Health COVID Impact Grant](#) (2020-21) *Principal Investigator*, “Investigating Social Impacts of the COVID-19 Pandemic Closure on Urban Middle School Students.” \$7,500.

[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.

[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.

Awards, Honors, and Fellowships

[Dean's Research Excellence Award](#) (2019), University of Massachusetts.

[National Academy of Sciences](#) (2018), *Exploring the Development of Analytic Frameworks: A Pilot Project for the Office of the Director of National Intelligence* Invitee.

[BIGSSS Computational Social Science Summer School](#) (2018, 2020), Resident Expert

[College Outstanding Teaching Award](#) (2017), University of Massachusetts.

[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.

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

[Tools For Transformation](#) (2001), "Rethinking Quantitative Training" Invited participant.

[American Sociological Association](#) (1999), Award: Best Grad Paper in Rational Choice.

[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.

Research Articles

Kim, Dongah, Gile, Krista, Griffin, Maryclare, Nolin, David, and James A. Kitts. "Bayesian Resolution of Discrepant Self-Reported Network Ties" [In Review]

Sirard, John R., Sibeko, Lindiwe, Pachucki, Mark, and James A. Kitts. "[The Food Activity Screens and Teens \(FAST\) Study: Design and Methods.](#)" [In Review]

Liu, Shuyin, Nolin, David, and James A. Kitts. 2024. "[Name Order Effects in Measuring Adolescent Social Networks Using Rosters](#)" *Social Networks* 76: 68-78.

Kitts, James A., Grogan, Helene, and Kevin Lewis. 2023. "[Social Networks and Computational Social Science.](#)" *Sage Handbook of Social Network Analysis*. New York: Sage. Forthcoming.

Kitts, James A. and Diego F. Leal. 2021. "[What Is\(n't\) a Friend? Dimensions of the Friendship Concept Among Adolescents.](#)" *Social Networks* 66: 161-170.

Kitts, James A. and Eric Quintane. 2020. "[Rethinking Social Networks in the Era of Computational Social Science.](#)" *Oxford Handbook of Social Networks*. New York: Oxford University Press, 71-97.

- Kitts, James A. and Yongren Shi. 2018. "[Toward an Analytical Framework of Social Influence: Behavioral Diffusion](#)." National Academy of Sciences, *Exploring the Development of Analytic Frameworks*.
- Kitts, James A. Lomi, Alessandro, Mascia, Daniele, Pallotti, Francesca, and Eric Quintane. 2017. "[Investigating the Temporal Dynamics of Interorganizational Exchange: Patient Transfers Among Italian Hospitals](#)." *American Journal of Sociology* 123(3): 850-910.
- Kitts, James A., Leal, Diego F., Jones, Thomas M., Felps, Will, and Shawn Berman. 2016. "[Greed and Fear in Network Reciprocity: Implications for Inter-Organizational Cooperation](#)" *PLoS ONE* 11(2): e0147264.
- Kitts, James A. "[Heterogeneity, Turnover, and the Dynamics of Organizational Demography](#)." [Accepted at *Computational and Mathematical Organizational Theory*; in revision]
- Kitts, James A. 2014. "[Beyond Networks in Structural Theories of Exchange: Promises from Computational Social Science](#)." *Advances in Group Processes*. 31: 263-298.
- Mäs, Michael, Flache, Andreas, and James A. Kitts. 2014. "[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.
- 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. 2014. "[Cultural Evolution of the Structure of Human Groups](#)" *Cultural Evolution: Society, Technology, Language, and Religion*. Cambridge: MIT Press, 87-116.
- Wyatt, Danny, Choudhury, Tanzeem, Bilmes, Jeff, and James A. Kitts. 2011. "[Inferring Colocation and Conversational Networks Using Privacy-Sensitive Audio](#)." *ACM Transactions on Intelligent Systems and Technology*, 2(1):7.1–7.41.
- Anthony, Denise, Kitts, James A., Masone, Christopher and Sean W. Smith. 2010. "[Internet Exchange and Forms of Trust](#)." In *Trust and Technology in a Ubiquitous Modern Environment*. Edited by Dominika Latusek and Andrea Gerbasi. IGI Global.
- Kitts, James A. 2009. "[Paradise Lost? Age Dependent Mortality of American Communes](#)." *Social Forces*, 87(3): 1193-1222.
- Goodreau, Steven, Kitts, James A., and Martina Morris. 2009. "[Birds of a Feather or Friend of a Friend? Using Exponential Random Graph Models to Investigate Adolescent Friendship Networks](#)." *Demography*, 46(1): 103-125.
- Anthony, Denise, Henderson, Tristan, and James A. Kitts. 2009. "[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.
- Kitts, James A. 2008. "[Dynamics and Stability of Collective Action Norms](#)." *Journal of Mathematical Sociology*, 32(2): 1-22.
- Wyatt, Danny, Choudhury, Tanzeem, Bilmes, Jeff, and James A. Kitts. 2008. "[Towards the Automated Social Analysis of Situated Speech Data](#)." *Proceedings of the 10th International Conference on Ubiquitous Computing*, 168-171.

- Lin, Zhiang, Kitts, James A., Yang, Haibin, and J. Richard Harrison. 2008. “[Elucidating Strategic Networks Through Computational Modeling](#).” *Computational and Mathematical Organization Theory*, 14(3): 175-208.
- Kitts, James A. and Tanzeem Choudhury. 2007. *Modeling Social Dynamics: Sharing Perspectives Across Disciplines*. Co-editor. National Science Foundation Report.
- Kitts, James A. and Paul T. Trowbridge. 2007. “[Shape Up Or Ship Out: Social Networks, Turnover, and Organizational Culture](#).” *Computational and Mathematical Organization Theory*, 13(4): 333-353.
- Kitts, James A. 2006. “[Collective Action, Rival Incentives, and the Emergence of Antisocial Norms](#).” *American Sociological Review*, 71(2): 235-259.
- Kitts, James A. 2006. “[Social Influence and the Emergence of Norms Amid Ties of Amity and Enmity](#).” *Simulation Modelling Practice and Theory*, 14(3), 407-422.
- Kitts, James A. 2003. “[Egocentric Bias or Information Management? Selective Disclosure and the Social Roots of Norm Misperception](#).” *Social Psychology Quarterly*, 66(3): 222-237.
- Macy, Michael, Kitts, James A., and Andreas Flache. 2003. “[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.
- Kitts, James A. 2000. “[Mobilizing in Black Boxes: Social Networks and Participation in Social Movement Organizations](#).” *Mobilization*, 5: 241-257.
- Kitts, James A. 2000. “[Analyzing Communal Life Spans: A Dynamic Structural Approach](#).” *Communal Societies*, 20: 13-25.
- Kitts, James A. 1999. “[Not in Our Backyard: Solidarity, Social Networks, and the Ecology of Environmental Mobilization](#).” *Sociological Inquiry*, 69: 551-574.
- Kitts, James A., Macy, Michael, and Andreas Flache. 1999. “[Structural Learning: Attraction and Conformity in Task-Oriented Groups](#).” *Computational and Mathematical Organization Theory*, 5(2): 129-145.

Encyclopedia Chapters

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

Kitts, James A. and Blaine Robbins. 2008. "[Prestige](#)." In *Encyclopedia of Social Problems*, Sage Publications.

Wallner, Courtney Muir and James A. Kitts. 2004. "[The Hutterites](#)." In *Encyclopedia of the Great Plains*, University of Nebraska Press.

Book Reviews

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.

Teaching Cases and Articles

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.

Pending Projects

Kitts, James A., Nolin, David, Pachucki, Mark, Sibeko, Lindiwe, and John R. Sirard. "Erosion of Adolescent Social Networks During the COVID-19 Pandemic."

Kitts, James A. and Yen-Sheng Chiang. "What's the Point? (Mis)Understanding Tipping Points and (Un)Related Concepts"

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."

Authored Software

"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.

Invited Talks

“Coevolving Networks and Norms”

- *Lorentz Workshop* on Othering and Polarization (Leiden, The Netherlands; June 8-12, 2020) – Postponed due to COVID-19
- *Max Planck Institute* workshop on Cultural Transmission and Social Norms (Bonn, Germany; April 2-4, 2020) – Postponed due to COVID-19

“What Is(n’t) a Friend? Dimensions of the Friendship Concept Among Adolescents”

University of Massachusetts, *Department of Sociology Colloquium* (February 24, 2020)

“The F.A.S.T. Study: Identifying Social Influence in Adolescent Weight-Related Behaviors”

- University of Massachusetts, *Department Proseminar* (November 15, 2023)
- University of Massachusetts, *Developmental Science Colloquium* (February 7, 2019)
- University of Massachusetts, *IALS Works-in-Progress Talk* (November 26, 2018)

“Behavioral Diffusion” *National Academy of Sciences* workshop on Social Influence (June 26, 2018)

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

- BIGSSS Groningen, *Computational Social Science Research Incubator* (July 6-17, 2020)
Postponed due to COVID-19
- University of British Columbia Vancouver, *Sociology Colloquium* (May 17, 2019)
- University of Nebraska, *Sociology Colloquium* (November 30, 2018)
- Jacobs University Bremen, *Computational Social Science Research Incubator* (July 27, 2018)
- NYU Abu Dhabi, *Network Science Workshop* (April 10, 2018)
- University of Massachusetts Medical School, *Quantitative Health Sciences* (March, 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 Graduate School of Business Seminar on *Organizational Behavior* (May 28, 2003).

Didactic Workshops and Seminars (1-10 days)

“Computational Social Science Summer School”

- University of Groningen (July 6-17, 2020)
- Jacobs University Bremen (July 23-August 3, 2018)

“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) (August 27-28, 2019)
(December 16-17, 2019)
- 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).

Conference Presentations

“Order Effects in Measuring Adolescent Social Networks Using Name Rosters” (with Shuyin Liu and David Nolin) *Meeting of the American Sociological Association*, Online (2021).

“What Is(n’t) a Friend? Dimensions of the Friendship Concept Among Adolescents.” (with Diego Leal)

– *INSNA Sunbelt Conference*, Montreal, Quebec, Canada (2019).

– *Meeting of the American Sociological Association*, New York, NY (2019).

“Expanding Horizons of Group Process” *Group Process Conference*, Philadelphia, PA (2018).

“Beyond Networks: Promises from Computational Social Science”

– *INSNA Sunbelt Conference*, Utrecht, Netherlands (2018).

– *International Network of Analytical Sociologists Conference*, Cambridge, MA (2015).

– *Meeting of the American Sociological Association*, San Francisco, CA (2014).

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

“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.” *12th 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).

Editorial Positions

- Editorial Board, *American Sociological Review* (2018-2021).
- Direct Submission Editor, *Proceedings of the National Academy of Sciences* (2019)
- Consulting Editor, *Sociological Science* (2017-).
- Series Editor: *Computational Social Sciences*. Springer. 2013- [5+ volumes per year]
- Editorial Board, *Social Psychology Quarterly* (2014-2017).
- Area Editor, *Computational and Mathematical Organization Theory* (2003-).
- Student Editorial Board, *Rationality and Society* (1999-2000).

Review Activities

Recent Ad Hoc Reviewer Service:

<i>American Sociological Review</i>	<i>PLOS ONE</i>
<i>American Journal of Sociology</i>	<i>Political Behavior</i>
<i>Annals of Epidemiology</i>	<i>Proc of the National Academy of Sciences</i>
<i>British Journal of Social Psychology</i>	<i>Rationality and Society</i>
<i>Computational Math Org Theory</i>	<i>Science</i>
<i>European Sociological Review</i>	<i>Simulation Modelling Practice and Theory</i>
<i>Field Methods</i>	<i>Small Group Research</i>
<i>Industrial and Corporate Change</i>	<i>Social Forces</i>
<i>J of Artificial Societies & Social Sim</i>	<i>Social Movements, Conflict and Change</i>
<i>J of Conflict Resolution</i>	<i>Social Networks</i>
<i>J of Mathematical Sociology</i>	<i>Sociological Forum</i>
<i>J of Social Structure</i>	<i>Sociological Inquiry</i>
<i>J for the Scientific Study of Religion</i>	<i>Sociological Perspectives</i>
<i>Management Science</i>	<i>Social Science Journal</i>
<i>Mobilization</i>	<i>Social Science Research</i>
<i>Network Science</i>	<i>Social Psychology Quarterly</i>
<i>Organization Science</i>	

Book Manuscript Reviews:

<i>Ashbury Publishing</i>	<i>Routledge Economics Books</i>
<i>Chapman and Hall Press</i>	<i>Springer Publishers</i>
<i>Pine Forge Press</i>	<i>Taylor & Francis Publishers</i>
<i>Rowman and Littlefield</i>	<i>Worth Publishers</i>

Proposal Review Panelist:

<i>National Institutes of Health</i> (2014-)	<i>National Science Foundation</i> (2002-)
<i>Department of Defense</i> (2011-)	<i>Army Research Office</i> (2014)

External Leadership, Administration, and Professional Service

[American Sociological Association](#) (2018-21); Mathematical Sociology Section Chair.

[American Sociological Association](#) (2008-11, 2014-17); Mathematical Sociology 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.

Recent University of Massachusetts Leadership and Service

COVID-19 Task Force of the University of Massachusetts Research Council (2020-22), Chair.

[Research Council of the Faculty Senate](#) (2015-20), Member, Chair 2018-19.

Research Policy Committee, University of Massachusetts (2015-18); Member, Chair 2017-18.

VCRE Working Group on High Performance Computing (2017), Member

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](#) (2014-18), 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.

Recent University of Massachusetts Service Talks

University of Massachusetts, Presentations for Graduate Students:

- Networking for Tenure (in Grad School)* (2016, 2018, 2020, 2022, 2023)
- Getting a Job: Effective Interview Strategies for the Academic Job Search* (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)

Recent Departmental Leadership and Service

Personnel Committee (2016-17, 2019-20, 2021-23), Department of Sociology, Co-Chair 2016.
Graduate Policy Committee (2015-16, 2017-19, 2020-21, 2023-24), Department of Sociology.
Equity and Social Justice Committee (2020), Department of Sociology.
Committee on Intellectual Activities (2013-14), Department of Sociology, Chair.

Courses Developed and Instructed

University of Massachusetts

- [SOC 797W](#) – *Writing for Sociology Journals* (2019).
- [SOC 795E](#) – *Modeling Emergence: Social Simulation* (2014-).
- [SOC 301](#) – *Writing in Sociology* (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).

Postdoctoral Advisees

[David Nolin](#) University of Massachusetts, Sociology

Enrolled Graduate Students

[Hsinfei Tu](#) (Sociology)

[Chanki Yoo](#) (Sociology)

Juan Carmona (Sociology)

Alex Karl (Sociology)

Past Graduate Students

[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

[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

[Katie E. Corcoran](#) *Degree:* Ph.D. University of Washington
First job: Postdoctoral position at Baylor University
Awards: UW Best Dissertation; 2 Best papers in Religion, Rational Choice

[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

[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

[Diego F. Leal](#) *Degree:* Ph.D. University of Massachusetts
First job: Tenure track position at the University of South Carolina
Awards: UMass Dissertation Fellowship; Clogg Scholar (ICPSR)

[Chen-Shuo Hong](#) *Degree:* Ph.D. University of Massachusetts
First job: Tenure track position at National Taiwan University
Awards: 3 Best papers in INSNA, Rational Choice, Mathematical Sociology

External Reader:

Seyed Orazani (Psychology of Peace and Violence Program)

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

James Ben-Aaron (Political Science)

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

Graduate Research Assistants	
<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 Micolini</i>	University of Massachusetts, Sociology
<i>Shuyin Liu</i>	University of Massachusetts, Sociology
<i>Helene Grogan</i>	University of Massachusetts, Sociology
Undergraduate Research Assistants	
<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

Affiliations

[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](#)

Languages

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