

RUSSELL J. FUNK

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EDUCATION

UNIVERSITY OF MICHIGAN

2014 Ph.D.

Concentration: Economic Sociology and Organizations

UNIVERSITY OF MICHIGAN

2013 M.A.

Concentration: Economic Sociology and Organizations

UNIVERSITY OF CHICAGO

2008 A.B. (with honors)

Concentration: Sociology

ACADEMIC EMPLOYMENT

UNIVERSITY OF MINNESOTA

2014– Assistant Professor

2019– Mary and Jim Lawrence Fellow

Strategic Management and Entrepreneurship

Carlson School of Management

RESEARCH INTERESTS

Computational Social Science, Network Science, Organizations, Innovation, Health Care

PUBLICATIONS AND ARTICLES UNDER REVIEW

PEER REVIEWED ARTICLES

In press Kim, Min Jung, Myles Shaver, and Russell J. Funk. “From mass to motion: Measuring the temporal dynamics of industry clusters.” *Strategic Management Journal*

- Strategic Management Society Best Conference Paper Prize (Finalist, awarded to top 10 papers).

In press Bapna, Sofia and Russell J. Funk. “Interventions for improving professional networking for women: Experimental evidence from the IT sector.” *MIS Quarterly*

In press Buhr, Helena, Russell J. Funk, and Jason Owen-Smith. “The authenticity premium: Balancing conformity and innovation in high technology industries.” *Research Policy*

2020 Likosky, Donald, Lourdes Cabrera, Paul Chandanabhumma, Carol Chenoweth, Michael D. Fetters, Russell J. Funk, John Hollingsworth, Robert L. Kormos, Francis Pagani, Preeti Malani, Supriya Shore, Tessa Watt, Min Zhang. “Understanding and addressing variation in healthcare-associated infections after durable ventricular assist device therapy: Protocol for a mixed methods study.” *Journal of Medical Internet Research: Research Protocols* 9(6):e18324

- 2019 Lin, Sunny, Scott Regenbogen, Russell J. Funk, John Hollingsworth, and Julia Adler-Milstein. “Coordination of care around surgery for colon cancer: Insights from national patterns of physician encounters with Medicare beneficiaries.” *Journal of Oncology Practice* 15(2):e110-e121.
- 2019 Kim, K. Dennie, Russell J. Funk, Phyllis Yan, Brahmajee K. Nallamothu, Aks Zaheer, and John M. Hollingsworth. “Informal clinical integration in Medicare accountable care organizations and mortality following coronary artery bypass graft surgery.” *Medical Care* 57(3):194-201.
- 2018 Everson, Jordan, Russell J. Funk, Samuel R. Kaufman, Brahmajee K. Nallamothu, Francis D. Pagani and John M. Hollingsworth. “Repeated, close physician CABG teams associated with greater perceived teamwork climate.” *Health Services Research* 53(2):1025–1041.
- 2018 Funk, Russell J., Jason Owen-Smith, Samuel A. Kaufman, Brahmajee K. Nallamothu, and John M. Hollingsworth. “Association of informal clinical integration of physicians with cardiac surgery payments.” *JAMA Surgery* 153(5):446-453.
- 2018 Ghomrawi, Hassan M. K., Russell J. Funk, Michael L. Parks, Jason Owen-Smith, and John M. Hollingsworth. “Physician referral patterns and racial disparities in total hip replacement: A network analysis approach.” *PLoS ONE* 13(2):e0193014-1–e0193014-10.
- 2017 Funk, Russell J., and Daniel Hirschman. “Beyond nonmarket strategy: Market actions as corporate political activity.” *Academy of Management Review* 42 (1):32–52.
- *Academy of Management Review*, Best Paper Award (Finalist, awarded to top 4 published papers)
 - Commentary: “Two little-known ways managers can influence laws.” *AoM Insights*
- 2017 Funk, Russell J., and Jason Owen-Smith. “A dynamic network measure of technological change.” *Management Science* 63 (3):791–817.
- Measure data and code available at <http://www.cdindex.info>.
 - “a simple yet brilliant method”– *The Atlantic*.
- 2017 Funk, Russell J., Jason Owen-Smith, Bruce E. Landon, John D. Birkmeyer, and John M. Hollingsworth. “Identifying natural alignments between ambulatory surgery centers and local health systems: Building broader communities of surgical care.” *Medical Care* 55 (2):e9–e15.
- 2016 Hollingsworth, John M., Russell J. Funk, Spencer A. Garrison, Jason Owen-Smith, Samuel A. Kaufman, Francis D. Pagani and Brahmajee K. Nallamothu. “Association between physician teamwork and health system outcomes after coronary artery bypass grafting.” *Circulation: Cardiovascular Quality and Outcomes* 9 (6):641–648.
- Special issue on big data.
- 2015 Hollingsworth, John M., Russell J. Funk, Jason Owen-Smith, Bruce E. Landon, Brent K. Hollenbeck, and John D. Birkmeyer. “Assessing the reach of health reform to outpatient surgery with social network analysis.” *Annals of Surgery* 261 (3):468–472.
- 2015 Hollingsworth, John M., Russell J. Funk, Spencer A. Garrison, Jason Owen-Smith, Samuel R. Kaufman, Bruce E. Landon, and John D. Birkmeyer. “Differences between physician social networks for cardiac surgery serving communities with high versus low proportions of black residents.” *Medical Care* 53 (2):160–167.
- Invited commentary: Lichtenstein, Richard “The vexing problem of health inequalities in the United States: What is to be done?” *Medical Care* 53(3):215–217.
- 2014 Funk, Russell J. “Making the most of where you are: Geography, networks, and innovation in organizations.” *Academy of Management Journal* 57 (1):193–222.

- Best Student Paper Award, Technology and Innovation Management Division of the Academy of Management.
- 2014 Funk, Russell J., and Daniel Hirschman. “Derivatives and deregulation: Financial innovation and the demise of Glass-Steagall.” *Administrative Science Quarterly* 59 (4):669–704.
- James D. Thompson Award (Honorable Mention), Organizations, Occupations, and Work (OOW) Section of the American Sociological Association.
 - Katherine Luke Graduate Student Paper Award (Honorable Mention), University of Michigan
- R&R Funk, Russell J. “Brokerage and invention in organizations.” *Strategic Management Journal*
- Louis R. Pondy Best Dissertation Paper Award (Runner Up), Organization and Management Theory (OMT) Division of the Academy of Management.
 - Academy of Management Best Paper Proceedings.
- Under Review Funk, Russell J., Michael D. Fetters, Francis D. Pagani, Hechuan Hou, Min Zhang, Guangyu Yang, Keith D. Aaronson, Preeti N. Malani, John M. Hollingsworth, P. Paul Chandanabhumma, Lourdes Cabrera, and Donald S. Likosky. “Intra-hospital provider collaboration networks are novel determinants of 90-day outcomes following durable ventricular assist device implants among Medicare beneficiaries.” *Circulation: Cardiovascular Quality and Outcomes*
- Under Review Funk, Russell J. and Sohyun Park. “The problem of fragmentation and the paradox of network intervention: Evidence from policy change in health care delivery.” *Administrative Science Quarterly*
- Research Methods Paper Prize Competition, Strategic Management Society Annual Conference (nominee).
- Under Review Funk, Russell J., Maxim Sytch, and Joe Nahm. “Shared social contexts and the dynamics of inequality in social networks.” *American Sociological Review*
- Best Paper Award (Finalist), Knowledge and Innovation Interest Group, Strategic Management Society.
- Rej&R Greenwood, Brad N. and Russell J. Funk. “The doctor will see you elsewhere: Enterprise information systems and the changing permeability of firm boundaries.” *Management Science*
- Best Paper Award (Runner Up), 10th Conference on Health IT and Analytics, Center for Health Information and Decision Systems, University of Maryland.
 - Strategic Management Society Best Conference Paper Prize (Nominee).
- Rej&R Kim, K. Dennie, Russell J. Funk, and Aks Zaheer. “Structure in context: Network modalities and accountable care organization performance.” *Organization Science*
- Under Review Leahey, Erin, Jina Lin, and Russell J. Funk. “What types of novelty are most disruptive?” *American Sociological Review*
- R&R Pang, Min-Seok, Russell J. Funk, and Daniel Hirschman. “We fly Congress: Market actions as corporate political activity in the U.S. airline industry.” *Academy of Management Journal*

MATERIALS SCIENCE PUBLICATIONS

- 2009 Halder, Gregory J., Hyunsoo Park, Russell J. Funk, Karena W. Chapman, Laura K. Engerer, Urs Geiser, and John A. Schlueter. “In-situ x-ray diffraction studies of host–guest properties in nanoporous zinc-triazolate-based framework materials.” *Crystal Growth & Design* 9 (8):3609–34.
- 2006 Schlueter, John A., Russell J. Funk, and Urs Geiser. “Rigid, microporous 3D molecular frameworks derived from 3-amino-1,2,4-triazole.” *Journal of Low Temperature Physics* 142 (3/4):429–32.
- 2006 Schlueter, John A., Russell J. Funk, and Urs Geiser. “5-aminopyrimidine.” *Acta Crystallographica Section E* 62:339–41.
- 2005 Schlueter, John A., Russell J. Funk, and Urs Geiser. “Bis(4,4'-bipyridinium) hexacyanoplatinate(IV) bis(4,4'-bipyridine).” *Acta Crystallographica Section C* 61:304–6.

OTHER PUBLICATIONS

- 2020 Funk, Russell J., Michael D. Fetters, Francis D. Pagani, Hechuan Hou, Min Zhang, Guangyu Yang, Keith D. Aaronson, Preeti N. Malani, John M. Hollingsworth, P. Paul Chandanabhumma, Lourdes Cabrera, and Donald S. Likosky. “Survival Following Durable Ventricular Assist Device Implantation is Associated With Provider Teamwork: A Social Network Analysis.” *Circulation* 142, Supplement 3 (2020): A15760-A15760.
- 2018 Kim, K. Dennie, Russell J. Funk, Akbar Zaheer, and John M. Hollingsworth. “Better off friends? Network bounding and the performance implications of formalization.” *Academy of Management Best Paper Proceedings* 2018(1):13466.
- 2018 Funk, Russell J. Review of *Money Talks: Explaining How Money Really Works*, edited by Nina Bandelj, Frederick F. Wherry, and Viviana A. Zelizer. *Administrative Science Quarterly* 63 (2):NP19–NP22.
- 2016 Ghomrawi, Hassan, Russell Funk, Jason Owen-Smith, and John Hollingsworth. “Important differences in the networks of physicians who treat total hip replacement patients in communities with high vs. low proportions of African American residents.” *Osteoarthritis and Cartilage* 24 (S1):s233–s233.
- 2016 Hollingsworth, John M., Russell Funk, Amy Luckenbaugh, Jason Owen-Smith, Samuel Kaufman, and Brahmajee Nallamothu. “Clinical integration is associated with lower costs of care among patients undergoing prostatectomy.” *Journal of Urology* 195 (S4):e591–e591.
- 2015 Funk, Russell J. “The dark side of brokerage: Conflicts between individual and collective pursuits of innovation.” *Academy of Management Best Paper Proceedings* 2015(1):11819.
- 2015 Hollingsworth, John M., Russell J. Funk, Spencer A. Garrison, Jason Owen-Smith, Samuel R. Kaufman, Bruce E. Landon, James E. Montie, and Brahmajee K. Nallamothu. “The impact of care coordination on radical prostatectomy outcomes.” *Journal of Urology* 193 (S4):e52–e53.
- 2012 Funk, Russell J. Interview with Balázs Vedres About “Structural folds: Generative disruption in overlapping groups.” *Accounts: ASA Economic Sociology Section Newsletter* 11 (1):11–12.

2009 Funk, Russell J. Review of *The return of depression economics and the crisis of 2008*, by Paul Krugman. *Accounts: ASA Economic Sociology Section Newsletter* 8 (2):7–9.

WORKING PAPERS (AVAILABLE UPON REQUEST)

Bapna, Sofia, Alan Benson, and Russell J. Funk. “Job rejection messages and women’s search persistence: Evidence from a randomized field experiment.”

Funk, Russell J. “Search and structure: Network dynamics in knowledge communities.”

Funk, Russell J. Britta Glennon, Julia Lane, Raviv Murciano-Goroff, and Matthew Ross. “Funding and the organization of science: Unpacking the black box.” IZA Discussion Paper No. 12762.

Funk, Russell J., Jason Owen-Smith, and John M. Hollingsworth “Stitching Ties: Physician networks and surgical care performance.”

Funk, Russell J. and Jason Owen-Smith. “When rebels meet radicals: Industry–university alliances and innovation across five sectors.”

Gebhart, Thomas and Russell J. Funk. “The emergence of higher order structure in scientific and technological knowledge networks.” (url: <https://arxiv.org/abs/2009.13620>)

Gomaa, Basma, Russell J. Funk, Raquel Rodriguez, Oscar Garza, and Jon C. Schommer. “Leveraging Informatics to Understand Migraine Patients? Online Communication Patterns on Social Media.”

Kim, K. Dennie, Russell J. Funk, Akbar Zaheer, and John M. Hollingsworth. “Better off friends? Network bounding and the consequences of network formalization.”

- Academy of Management Best Paper Proceedings.

Park, Michael, Erin Leahey, and Russell J. Funk. “Dynamics of disruption in science and technology.”

- Academy of Management Best Paper Proceedings (declined award).

Park, Michael, Russell J. Funk, and Erin Leahey. “Evaluation of interdisciplinary research: Evidence from millions of articles and books.”

Park, Michael and Russell J. Funk. “Regulation and innovation revisited.” (url: <https://osf.io/preprints/socarxiv/p2uz7/>)

GRANTS

Under Review “Recruiting and retaining women in IT.” Science of Organizations, National Science Foundation. \$356,204 (Co-Principal Investigator with Sofia Bapna)

Under Review “Addressing Disparities in the Diagnosis and Treatment of Aortic Valve Disease.” National Institutes of Health. \$3,583,459 (Co-Investigator)

2020– “Competitive dynamics of physician referrals in the era of accountable care organizations.” National Institute for Health Care Management. \$51,125 (Co-Principal Investigator with Pinar Karaca-Mandic)

2020– “Primary care involvement in End Stage Renal Disease Seamless Care Organizations (ESCOs) and the quality and costs of care for patients on chronic dialysis.” Agency for Healthcare Research and Quality, Department of Health and Human Services. \$2,000,000 (Co-Investigator)

- 2019– “Research funding, organizational context, and transformative research: New insights from new methods and data.” Science of Science and Innovation Policy, National Science Foundation. \$599,863 (Co-Principal Investigator with Julia Lane)
- 2018– “Revisiting the Dynamics of Scientific Influence: Measures and Applications.” Science of Science and Innovation Policy, National Science Foundation. \$543,678 (Co-Principal Investigator with Erin Leahey)
- 2018– “Understanding and Addressing Variation in Healthcare-Associated Infections After Durable Ventricular Assist Device Therapy.” Agency for Healthcare Research and Quality, Department of Health and Human Services. \$2,490,851 (Co-Investigator)
- 2018 “The Impact of Accountable Care Organizations on Inter-Organizational Care Coordination.” Agency for Healthcare Research and Quality, Department of Health and Human Services. \$42,179 (Senior/Key Personnel)
- 2018 “Where Do We Go From, Here? Enterprise Technology and Physician Entrepreneurship.” Dean’s Small Grant, Carlson School of Management, University of Minnesota. \$1,000 (with Brad Greenwood)
- 2016 “Are Networks Key to Solving America’s Healthcare Crisis?” Grand Challenges Research Grant, University of Minnesota. \$50,000 (with Aks Zaheer and Bobbi Daniels)
- 2016 “Offline effects of online connections: a randomized field experiment of social network dynamics.” Social Media and Business Analytics Collaborative, University of Minnesota. \$5,000 (with Sofia Bapna)
- 2015 “Composition and performance of accountable care organizations.” Dean’s Small Grant, Carlson School of Management, University of Minnesota. \$1,000
- 2013 “Building a big data users’ group for organizational studies.” Rackham Graduate School, University of Michigan. \$1,500 (with Gerald F. Davis)

HONORS AND AWARDS

- 2020 Strategic Management Society Best Conference Paper Prize (Nominee)
- 2019 Best Paper Award (Runner Up), 10th Conference on Health IT and Analytics, Center for Health Information and Decision Systems, University of Maryland.
- 2019 Best Paper Award (Finalist), Knowledge and Innovation Interest Group, Strategic Management Society.
- 2019 Mary and Jim Lawrence Fellow, Carlson School of Management, University of Minnesota.
- 2019 CADRE Fellow, Network Science Institute, Indiana University.
- 2018 *Academy of Management Review*, Best Paper Award (Finalist)
- Awarded to top 4 published papers
- 2018 Strategic Management Society Best Conference Paper Prize (Finalist)
- Awarded to top 10 conference papers
- 2018 Business Week, Core Faculty of the Year, Carlson School of Management, University of Minnesota (Finalist)
- 2017 Eugene Garfield Award for Innovation in Citation Analysis (Runner Up), Clarivate Analytics

- 2016 Fellow, Center for Advanced Study in the Behavioral Sciences, Stanford University, Summer Institute on Organizations and Their Effectiveness
- 2016 Member, Strategy Research Forum
- 2015 Best Dissertation Award (Runner Up), Technology Innovation Management and Entrepreneurship Section (TIMES) of the Institute for Operations Research and the Management Sciences (INFORMS)
- 2015 Louis R. Pondy Best Dissertation Paper Award (Runner Up), Organization and Management Theory (OMT) Division of the Academy of Management
- 2014 James D. Thompson Award (Honorable Mention), Organizations, Occupations, and Work (OOW) Section of the American Sociological Association
- 2013–2014 Rackham Predoctoral Fellowship, University of Michigan
- 2009–2012 National Science Foundation Graduate Research Fellowship
- 2012 Katherine Luke Graduate Student Paper Award (Honorable Mention), University of Michigan
- 2011 Best Student Paper Award, Technology and Innovation Management Division of the Academy of Management
- 2009, 2010 Departmental Fellowship, University of Michigan
- 2008 LSA Regents Fellowship, University of Michigan
- 2007–2008 Francis A. Bobkoski Scholarship, University of Chicago
- 2006–2007 William H. and Vera M. Sloan Scholarship, University of Chicago

INVITED SEMINARS

- 2021 Assured Information Security, Inc., August 19.
- 2021 Seoul National University, College of Business, April 22.
- 2021 Purdue University, Krannert School of Management, March 26.
- 2021 Stanford University, Center for Advanced Study in the Behavioral Sciences, February 19.
- 2020 Network Science Institute (CADRE Group), Indiana University, Bloomington, IN, July 22.
- 2020 National Center for Science and Engineering Statistics, National Science Foundation, Washington, DC, January 21.
- 2019 University of Minnesota, Management Information Systems Research Center, November 6.
- 2019 Stanford University, Center for Advanced Study in the Behavioral Sciences, April 26.
- 2019 Institute for Scientific Information, January 10.
- 2018 Stanford University, Center for Advanced Study in the Behavioral Sciences, April 14.
- 2018 Mayo Clinic, Grand Rounds, Center for the Science of Health Care Delivery, January 23.
- 2018 Health Management and Policy, School of Public Health, University of Minnesota, March 30.
- 2017 University of Michigan, Ross School of Business, Management and Organizations Brown Bag, September 20.
- 2016 Dartmouth College, Tuck School of Business, November 18.
- 2016 Northwestern University, School of Communication, Media, Technology and Society Seminar, October 31.
- 2016 University of Michigan Medical School, Working Group on Accountable Care Organizations, September 26.
- 2016 Stanford University, Center for Advanced Study in the Behavioral Sciences, July 2.
- 2016 Aarhus University, Interdisciplinary Center for Organizational Architecture, May 12.

- Keynote address.

- 2016 Northwestern University, Kellogg School of Management, March 4.
- 2015 University of Chicago, Booth School of Business, November 11.
- 2015 University of Minnesota, Management Information Systems Research Center, November 6.
- 2014 University of Minnesota, Carlson School of Management, February 3.
- 2014 Northwestern University, Kellogg School of Management, January 29.
- 2014 Harvard Business School, Entrepreneurial Management Unit, January 23.
- 2014 Harvard Business School, Strategy Unit, January 22.
- 2014 University of Washington, Foster School of Business, January 17.
- 2014 Washington University in St. Louis, Olin Business School, January 13.
- 2014 University of North Carolina, Kenan-Flagler Business School, January 10.
- 2013 Carnegie-Mellon University, Tepper School of Business, December 12.
- 2013 Duke University, Fuqua School of Business, December 4.
- 2013 Cornell University, School of Industrial and Labor Relations, December 2.
- 2013 University of Arizona, Eller College of Management, November 25.
- 2013 Georgia Institute of Technology, Scheller College of Business, November 22.
- 2013 Princeton University, Department of Sociology and Woodrow Wilson School of Public and International Affairs, November 18.
- 2013 University of Oregon, Lundquist College of Business, November 8.
- 2013 University of Washington, School of Business, October 25.
- 2013 Oregon State University, College of Business, October 22.
- 2013 Brown University, Department of Sociology and Program in Business, Entrepreneurship and Organizations Program, October 17.
- 2013 University of Illinois at Chicago, College of Business Administration, October 7.
- 2013 University of Michigan, Ross School of Business, Strategy, October 4.
- 2013 University of Michigan, Ross School of Business, Management and Organizations Brown Bag, March 13.
- 2013 University of Michigan Health System, Dow Division for Urologic Health Services Research, March 6.
- 2012 University of Chicago, Computation Institute, November 30, 2012.
- 2011 University of Michigan, Ross School of Business, Strategy Brown Bag, July 14.
- 2010 University of Michigan, Departments of Organizational Studies and Political Science, Networks Workshop, December 14.

INVITED CONFERENCE PRESENTATIONS AND ACTIVITIES

- 2021 “Dynamics of disruption in science and technology.” *International Conference on Network Science (NetSci’21)*, Virtual Conference.
- 2019 “Strategic Management Research and Health Care Reform: A Primer on Accountable Care Organizations.” Corporate Strategy in Healthcare Professional Development Workshop, *Academy of Management Annual Meeting*, Boston, MA.
- 2018 “Field Experiments on Network Dynamics.” Network Evolution: Exploring the Dynamics of Organizational Networks, Symposium, *Academy of Management Annual Meeting*, Chicago, IL.

- 2018 “Search and Structure: Network Dynamics in Knowledge Communities.” Online Community Interactions: Knowledge Communities, Network Dynamics, and Content Development, Showcase Symposium, *Academy of Management Annual Meeting*, Chicago, IL.
- 2018 “Network Design.” *Strategy Junior Faculty Summer Camp*, Dartmouth College, Tuck School of Business, Hanover, NH.
- 2018 “Exploring the Constraints on Network Change: Evidence from a Field Experiment.” *Austin Technology and Entrepreneurship Conference*, University of Texas at Austin, Austin, TX.
- 2017 “Understanding Search in Organizations with Affinity Propagation.” The Latest and Greatest in Empirical Methods for Strategy Scholars: Bringing Machine Learning into Strategic Management Research, *Strategic Management Society Annual Conference*, Houston, TX.
- 2017 “Exploring the Constraints on Network Change: Evidence from a Field Experiment.” How Spatial and Social Factors Shape Social Networking, Collaboration and Innovation, *Academy of Management Annual Meeting*, Atlanta, GA.
- 2017 “A (Brief) Primer on Administrative Data for Health Care Research.” *Strategy Junior Faculty Summer Camp*, Dartmouth College, Tuck School of Business, Hanover, NH.
- 2017 “Simple Interventions Reduce Gender Gaps in Networking: Evidence from a Randomized Field Experiment.” *Strategy Research Forum*, New Orleans, LA.
- 2017 “Search and Structure: Network Dynamics in Knowledge Communities.” *ANN-SONIC International Workshop on Network Theory*, Annenberg School for Communication and Journalism, University of Southern California, Los Angeles, CA.
- 2016 “Analyzing Intraorganizational Networks With Administrative Data.” Introduction to Social Network Analysis, Professional Development Workshop, *Academy of Management Annual Meeting*, Anaheim, CA.
- 2016 “Is There A Dark Side To Brokerage?” Brokers and Brokerage in a Dynamic Context, Professional Development Workshop, *Academy of Management Annual Meeting*, Anaheim, CA.
- 2016 “Team Experience, Hospital Connectedness, and Surgical Care Performance.” *Intra-Organizational Networks (ION) Conference*, LINKS Center for Social Network Analysis, University of Kentucky, Lexington, KY.
- 2015 “Managing Informal Networks for Innovation.” *Institute for Operations Research and the Management Sciences (INFORMS) Annual Meeting*, Philadelphia, PA.
- 2015 “Stitching Ties: Physician Networks and Hospital’s Surgical Care Performance.” Designing Governance, Ecosystems and Intraorganizational Relationships for Creating Value and Innovation, *Organizational Design Community Annual Conference*, Vancouver, BC.
- 2015 “A ‘Big Data’ Approach to Networks in Organizations.” Revitalizing Organization Theory, Professional Development Workshop, *Academy of Management Annual Meeting*, Vancouver, BC.
- 2015 “Practical Challenges of Managing a Research Pipeline.” OMT Doctoral Consortium, Professional Development Workshop, *Academy of Management Annual Meeting*, Vancouver, BC.
- 2015 “Machine Learning for Strategy Research.” *Strategy Junior Faculty Summer Camp*, Dartmouth College, Tuck School of Business, Hanover, NH.
- 2014 “Big Data and Process Research Methods.” Novel Data and Methods in Process Research, Professional Development Workshop, *Academy of Management Annual Meeting*, Philadelphia, PA.

CONFERENCE PRESENTATIONS AND ACTIVITIES

- 2021 “Competitive Dynamics of Physician Referrals in the Era of Accountable Care Organizations.” *American Society of Health Economists*, Virtual Conference.
- 2021 Discussant for “Firm networks and economic performance: Evidence from employee connections on LinkedIn” by Shelley Li, Frank Nagle, and Aner Zhou. *Strategy Research Forum*, Virtual Conference.
- 2021 “The Emergence of Higher-Order Structure in Scientific and Technological Knowledge Networks.” *Institute for Mathematical and Statistical Innovation*, Virtual Conference.
- 2020 “Intra-hospital Provider Collaboration Networks Are Novel Determinants of 90-Day Outcomes Following Durable Ventricular Assist Device Implants Among Medicare Beneficiaries.” *Annual Scientific Sessions of the American Heart Association*, Dallas, TX.
- 2020 “The doctor will see you elsewhere: Enterprise information systems and the changing control of firm activities.” *Academy of Management Annual Meeting*, Vancouver, BC.
- 2020 Discussant for “Multi-disciplinary researchers: Field experimental evidence” by Kevin Boudreau and Ina Ganguli. Life on the edge: Collaboration and the production of ideas at the scientific frontier. *American Economic Association Annual Meeting*, San Diego, CA.
- 2019 “A dynamic network measure of technological and scientific change.” *Institute for Research on Science and Innovation*, University of Michigan, Ann Arbor, MI.
- 2019 Discussant for “Sanctions across time: The temporal dimension of punishment in small groups” by Amandine Ody-Brasier. *Strategy Research Forum*, Toronto, Canada.
- 2019 Alumni participant. *Austin Technology and Entrepreneurship Conference*, University of Texas at Austin, Austin, TX.
- 2015 “The Dark Side of Brokerage: Conflicts Between Individual and Collective Pursuits of Innovation.” Brokerage in Networks: Who Benefits and How? *Academy of Management Annual Meeting*, Vancouver, BC.
- 2015 Workshop facilitator for “Using Tensions and Contradictions to Advance Process Research.” Process Research Professional Development Workshop, *Academy of Management Annual Meeting*, Vancouver, BC.
- 2013 “When Rebels Meet Radicals: Industry–University Alliances and Innovation Across Five Sectors.” *Academy of Management Annual Meeting*, Orlando, FL.
- 2013 Session chair for “Firm Problem-Solving.” *Academy of Management Annual Meeting*, Orlando, FL.
- 2013 Technology and Innovation Management Doctoral Consortium. *Academy of Management Annual Meeting*, Orlando, FL.
- 2012 “Measuring Innovation and Social Influence with Directed Acyclic Graphs.” *Cyberinfrastructure Days*, Ann Arbor, MI.
- 2012 “Measuring Innovation and Social Influence with Directed Acyclic Graphs.” *International Conference on Network Science (NetSci’12)*, Evanston, IL.
- 2012 “Measuring Radical Innovation Using Interrupted Patent Citation Flows.” *Academy of Management Annual Meeting*, Boston, MA.
- 2012 Session Chair for “Brokerage Dynamics.” *Academy of Management Annual Meeting*, Boston, MA.
- 2011 “Making the Most of Where You Are: Local Environments, Intra-Organizational Networks, and Innovation in the Nanotechnology Industry.” *Academy of Management Annual Meeting*, San Antonio, TX.
- 2011 “Relational Signals and Institutional Expectations: Ego Networks and Market Value Across Five High-Technology Sectors.” *Academy of Management Annual Meeting*, San Antonio, TX.
- 2011 “Endogenous Legal Change: How Organizations Re-Shaped Glass-Steagall.” (with Daniel Hirschman). *American Sociological Association Annual Meeting*, Las Vegas, NV.

- 2010 “Organizational Resources and the Emergence of Interdisciplinary Fields of Study.” *American Sociological Association Annual Meeting*, Atlanta, GA.

OTHER PRESENTATIONS

- 2020 “Introduction to social network analysis with Python.” Digital Arts, Sciences, & Humanities program, Day of Data, University of Minnesota, Minneapolis, MN.
- Jupyter notebook available at https://github.com/russellfunk/umn_day_of_data_2020.
- 2019 “Physician networks and health care reform.” Medical Industry Leadership Institute, University of Minnesota, Minneapolis, MN.
- 2018 “The network intervention paradox: Evidence from accountable care organizations.” Medical Industry Leadership Institute, University of Minnesota, Minneapolis, MN.
- 2016 “Social Networks and Health Care Delivery.” Medical Industry Leadership Institute, University of Minnesota, Minneapolis, MN.
- 2016 “Using Dynamic Network Analysis to Find High Performing Teams.” *Social Media and Business Analytics Collaborative*, University of Minnesota, Minneapolis, MN.
- 2015 “A Dynamic Network Measure of Technological Change.” University of Minnesota, Strategic Management and Entrepreneurship, Carlson School of Management, University of Minnesota, Minneapolis, MN.
- 2015 “How Dynamic Networks of Care Teams In U.S. Hospitals Impact Health Care Cost and Quality.” *Social Media and Business Analytics Collaborative*, University of Minnesota, Minneapolis, MN.
- 2014 “Using Python for Record Linkage.” University of Michigan, Interdisciplinary Committee on Organizational Studies and Office of Advanced Research Computing, Big Data Camp, May 20.
- 2013 “Using Python for Record Linkage.” University of Michigan, Interdisciplinary Committee on Organizational Studies and Office of Advanced Research Computing, Big Data Camp, May 21.
- 2012 “A Proposal for Microsoft Academic Search.” (with Geoffrey Fox). *Internet2-Microsoft Workshop on Cloud Services and Cyberinfrastructure for the Social Sciences*, Seattle, WA.
- 2012 “Big Data in the Social Sciences.” University of Michigan, Office of Research Cyberinfrastructure.

AUTHORED SOFTWARE AND WEBSITES

- cdindex** Website with data, code, and resources for computing and using the mCD_t index (<http://www.cdindex.info>, <https://github.com/russellfunk/cdindex>, <https://pypi.org/project/cdindex/>).
- phd_toolbox** Tutorials and code for using MySQL and Python for research (https://github.com/russellfunk/phd_toolbox).
- edgraph** C++ library for computing some measures in evolving directed graphs. Selected for participation in Google academic code review pilot program (https://github.com/rfunklab/edgraph_v1).

TEACHING INTERESTS

COURSES

UNIVERSITY OF MINNESOTA

MGMT 8404 Computational Social Science for Organizational Research

- Complete course available online at https://github.com/rfunklab/computational_social_science_for_organizational_research.

MBA 6315 The Ethical Environment of Business

MGMT 1005 Corporate Responsibility and Ethics

MSBA 6140 Ethics and Data Privacy

- Jupyter notebooks available at https://github.com/russellfunk/data_privacy.

MSBA 6250 Analytics for Competitive Advantage (Data Privacy and Ethics)

UNIVERSITY OF MICHIGAN

OS 215 Organization and Society (Graduate Student Instructor)

DISSERTATION COMMITTEE MEMBERSHIPS

Basma Gomaa Social and Administrative Pharmacy, College of Pharmacy, University of Minnesota

- Placement: School of Public Health, Indiana University.

Dennie Kim Strategic Management and Entrepreneurship, Carlson School of Management, University of Minnesota (Co-Chair)

- Placement: Darden School of Business, University of Virginia.

Min Jung Kim Strategic Management and Entrepreneurship, Carlson School of Management, University of Minnesota

- Placement: Gies College of Business, University of Illinois.

Sunny Lin Health Management and Policy, School of Public Health, University of Michigan

- Placement: Oregon Health & Science University.

Pyung (Joe) Nahm Strategic Management and Entrepreneurship, Carlson School of Management, University of Minnesota

Paul Nary Strategic Management and Entrepreneurship, Carlson School of Management, University of Minnesota

- Placement: Wharton School, University of Pennsylvania.

Michael Park Strategic Management and Entrepreneurship, Carlson School of Management, University of Minnesota

Sohyun Park Strategic Management and Entrepreneurship, Carlson School of Management, University of Minnesota

Nicholas Poggioli Strategic Management and Entrepreneurship, Carlson School of Management, University of Minnesota

- Placement: Erb Institute, University of Michigan.

Kevin Schuttinger Organizational Leadership, Policy, and Development, College of Education and Human Development, University of Minnesota

Eric Xu Supply Chain and Operations Management, Carlson School of Management, University of Minnesota

THESIS COMMITTEE MEMBERSHIPS

Raffy Maristela Finance, Carlson School of Management, University of Minnesota

Shruthi Murali Public Health Administration and Policy, School of Public Health, University of Minnesota

PROFESSIONAL AND UNIVERSITY SERVICE

2020– Member, Steering Committee, Minnesota Research Data Center (MnRDC), University of Minnesota.

2019– Member, PhD Committee, Strategic Management and Entrepreneurship, Carlson School of Management, University of Minnesota.

2019– Member, Steering Committee, Interdisciplinary Data Science Competition, University of Minnesota.

2019 Organizer, Strategy Research in the Healthcare Industry, Extension Conference, Strategic Management Society Annual Meeting.

2018 Organizer, Machine Learning, Journal Club, PhD program, Strategic Management and Entrepreneurship, Carlson School of Management, University of Minnesota.

2018 Presenter, “Managing a ‘big data’ workflow.” PhD Workshop, Strategic Management and Entrepreneurship, Carlson School of Management, University of Minnesota.

2018 Presenter, “An introduction to Python for research.” PhD Workshop, Strategic Management and Entrepreneurship, Carlson School of Management, University of Minnesota.

2018 Presenter, “An introduction to MySQL for research.” PhD Workshop, Strategic Management and Entrepreneurship, Carlson School of Management, University of Minnesota.

2018 Organizer, Theories of Design, Journal Club, PhD program, Strategic Management and Entrepreneurship, Carlson School of Management, University of Minnesota.

2017–2018 Organizer, Strategic Management and Entrepreneurship Seminar Series, Carlson School of Management, University of Minnesota.

2017 Faculty Guest, MO 899, Mechanisms of Organized Action, Management and Organizations, Ross School of Business, University of Michigan.

2017 Presenter, “A primer on social network analysis.” PhD Workshop, Strategic Management and Entrepreneurship, Carlson School of Management, University of Minnesota.

2017 Presenter, “Writing introductions.” PhD Workshop, Strategic Management and Entrepreneurship, Carlson School of Management, University of Minnesota.

2016 Presenter, “Exploring ideas quickly with web data.” PhD Workshop, Strategic Management and Entrepreneurship, Carlson School of Management, University of Minnesota.

2016 Member, Grant Review Committee, Hennepin University Partnership.

2015–2016 Organizer, Strategic Management and Entrepreneurship Seminar Series, Carlson School of Management, University of Minnesota.

- 2015 Presenter, “Preparing for the job market.” PhD Workshop, Strategic Management and Entrepreneurship, Carlson School of Management, University of Minnesota.
- 2015 Member, James D. Thompson Award Committee, Organizations, Occupations, and Work (OOW) Section of the American Sociological Association.
- 2013–2014 Consultant, Big Data Camp, Interdisciplinary Committee on Organizational Studies and Office of Advanced Research Computing, University of Michigan.
- 2013–2014 Chair, Interdisciplinary Committee on Organizational Studies Big Data User’s Group (IBUG), University of Michigan.
- 2010–2011 Student Representative, Executive Committee, Department of Sociology, University of Michigan.
- 2009–2010 Co-Chair, Sociology Graduate Students (SGS) organization, University of Michigan.
- 2009–2010 Conference Organizer, Michigan Social Theory Conference.
- 2008–2009 Editor of *Accounts*, the newsletter of the Economic Sociology section of the American Sociological Association.

EDITORIAL BOARDS & EDITORSHIPS

- 2019– Editorial Board, *Administrative Science Quarterly*

AD HOC REVIEWING

JOURNALS

Academy of Management Journal, Academy of Management Review, Administrative Science Quarterly, American Journal of Sociology, Cancer, Health Services Research, Journal of International Business Studies, Journal of Management, Journal of Management Studies, Management Science, Medical Care, Nature Reviews Physics, Organization Science, PLoS ONE, Research Policy, Social Networks, Sociological Forum, Sociological Quarterly, Sociological Theory, Strategic Management Journal

GRANTS AND AWARDS

Hennepin County (Minnesota), German Israeli Foundation for Scientific Research and Development, Institute for Research on Innovation and Science (IRIS), Israel Science Foundation, James D. Thompson Award (American Sociological Association)

CONFERENCES

Academy of Management Annual Meeting, Strategic Management Society Annual Meeting

PROFESSIONAL MEMBERSHIPS

Academy of Management
Strategic Management Society