

GERALD R. MARSCHKE
University at Albany, State University of New York
Department of Economics
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518-437-3755

EDUCATION

1997 Ph.D. (Economics), The University of Chicago.
1984 B.A., The University of California, Davis

EDUCATIONAL EMPLOYMENT

2011 - present **Associate Professor**, Department of Economics, University at Albany, State University of New York

2010 - 2011,
2004 - 2008 **Associate Professor**, Department of Public Administration and Policy joint with Department of Economics, University at Albany, State University of New York

2008 - 2009 **Visiting Associate Professor**, John F. Kennedy School of Government, Harvard University (on leave from University at Albany, State University of New York)

1998 - 2004 **Assistant Professor**, Department of Public Administration and Policy joint with Department of Economics, University at Albany, State University of New York

1996 - 1998 **Visiting Assistant Professor**, Department of Economics, University at Buffalo, State University of New York

ADDITIONAL EMPLOYMENT

2009 - 2010 **Senior Researcher**, Harvard Medical School, Harvard University

2008 - 2010 **Wertheim Fellow**, Labor and Worklife Program, Harvard Law School, Harvard University

1993 - 1996 **Research Associate**, Center for Social Program Evaluation, The University of Chicago

OTHER PROFESSIONAL APPOINTMENTS AND DATA ACCESS

2014 - present **Research Associate**, National Bureau of Economic Research (NBER)

- 2010 - present **Senior Research Associate**, Center for Labor & A Just Economy, (formerly Labor and Worklife Program), Harvard Law School, Harvard University
- 2009 - present **Special Sworn Status (SSS)**, U.S. Census Bureau
Authorized to access restricted-use Census Bureau microdata for approved research projects
- 2007 - 2014 **Faculty Research Fellow**, National Bureau of Economic Research (NBER)
- 2005 - 2013 **Research Fellow**, Institute for the Study of Labor (IZA)
- 2002 - 2008,
2010 - 2011 **Faculty member**, Public Policy Faculty, Rockefeller College, University at Albany, State University of New York

HONORS AND AWARDS

Wertheim Fellowship, Wertheim Foundation, Harvard Law School. 2008-2010, 2012.

June Pallot Award for Best Article. International Public Management Journal. 2005.

H. Gregg Lewis Prize for Best Article. Journal of Labor Economics, Society of Labor Economists. 2004-2005.

Young Economist Award. Royal Economics Society. 1999.

Lynde and Harry Bradley Foundation Fellowship. The University of Chicago. 1990-1992.

The University of Chicago Fellowship. The University of Chicago. 1988-1992.

RESEARCH AND TEACHING FIELDS OF INTEREST

Labor economics, industrial organization, economics of science and technology, organizational economics, microeconomics

PUBLICATIONS

- Diethorn, H. and Marschke, G. "Task Mismatch and Salary Penalties: Evidence from the Biomedical PhD Labor Market," *Journal of Labor Economics*, in press
- Yu, H., Marschke, G., Ross, M.B., Staudt, J., and Weinberg, B. "Publish or Perish: Selective Attrition as a Unifying Explanation for Patterns in Innovation over the Career," *Journal of Human Resources*, 58(4), July 2023, pp. 1307-1346.

- Davis, J. C., Diethorn, H., Marschke, G. and Wang, A. "US Engineering Employment During the COVID-19 Pandemic," Proceedings of the 2022 ASEE Annual Conference and Exposition, Minneapolis, MN. <https://peer.asee.org/41981>
- Lee, S., Kim, J., and Marschke, G. "Inventor Mobility and Knowledge Transmission in Nanotechnology," *International Journal of Business and Social Science*, 12(5), May 2021, pp. 1-10.
- Staudt, J., Yu, H., Light, R.P., Marschke, G., Börner, K. and Weinberg, B.A. "High-Impact and Transformative Science (HITS) Metrics: Definition, Exemplification, and Comparison," *PLoS ONE*, 13(7), July 2018, pp. 1-23.
- Marschke, G., Nunez, A., Weinberg, B.A. Yu, H., "Last Place: The Intersection between Ethnicity, Gender, and Race in Biomedical Authorship." *American Economic Association Papers and Proceedings*, 108, May 2018, pp. 222-227.
- Lee, S., Kim, J., and Marschke, G. "Impact of University Scientists on Innovations in Nanotechnology," in *Intellectual Property for Economic Development: Issues and Policy Implications*, (Sanghoon Ahn, Bronwyn H. Hall, and Keun Lee, eds.), Edward Elgar, 2014, pp. 141-158.
- Heckman, J. J., Heinrich, C., Courty, P., Marschke, G., and Smith, J. eds. *The Performance of Performance Standards*, W. E. Upjohn Institute for Employment Research, 2011. Authored book chapters therein:
- Courty, P., Heinrich, C., Marschke, G., and Smith, J. "U.S. Employment and Training Programs and Performance Standards System Design," (pp. 15-28 Chapter 2)
- Courty, P. and Marschke, G. "The JTPA Incentive System: Implementing Performance Measurement and Funding," (pp. 65-93, Chapter 4)
- Courty, P., Heinrich, C., Marschke, G., "Setting the Standards: Performance Targets and Benchmarks," (pp. 95-123, Chapter 5) and
- Courty, P. and Marschke, G. "Measuring Government Performance: An Overview of Dysfunctional Responses," (pp. 203-229, Chapter 7).
- Kim, D. H., Courty, P., and Marschke, G., "Curbing Cream-Skimming: Evidence on Enrolment Incentives," *Labour Economics*, 2011, 18(5), pp. 643-655.
- Heinrich, C., and Marschke, G. "Incentives and Their Dynamics in Public Sector Performance Management Systems," *Journal of Policy Analysis and Management*, Winter 2010, 29(1), pp. 183-208.
- Goldfarb, B., Marschke, G., and Smith, A. "Inventive Activity and Scholarship in Academe: Complements or Substitutes?" *Economics of Innovation and New Technology*, 2009, 18(8), pp. 743-756.
- Kim, J., Lee, S., and Marschke, G. "Inventor Productivity and Firm Size: Evidence from Panel Data on Inventors," *Pacific Economic Review*, October 2009, 14(4), pp. 516-531.
- Kim, J., Lee, S., and Marschke, G. "Relation of Firm Size to R&D Productivity," *International Journal of Business and Economics*, April 2009, 8(1), pp. 7-19.
- Kim, J., Lee, S., and Marschke, G. "International Knowledge Flows: Evidence from an Inventor-Firm Matched Data Set," in *Science and Engineering Careers in the United States: An Analysis of Markets and Employment*, (Richard Freeman and Daniel Goroff, eds.), NBER and The University of Chicago Press, 2009, pp. 321-348.

- Courty, P. and Marschke, G. "A General Test for Distortions in Performance Measures," *The Review of Economics and Statistics*, August 2008, 90(3), pp. 428-441.
- Kim, J. and Marschke, G. "How Much U.S. Technological Innovation Begins in Universities?" *Economic Commentary*, Cleveland Federal Reserve Bank, April 1, 2007, pp. 1-3.
- Courty, P. and Marschke, G. "Making Government Accountable: Lessons from a Federal Job Training Program," *Public Administration Review*, September-October 2007, 67(5), pp. 904-916.
- Kim, J. and Marschke, G. "The Scientific Labor Market and University-to-Industry Knowledge Transfer," Cleveland Federal Reserve Bank conference volume (for "Universities, Innovation, and Economic Growth," a conference organized by the Cleveland FRB November 16, 2006).
- Kim, J. and Marschke, G. "Labor Mobility of Scientists, Technological Diffusion, and the Firm's Patenting Decision," *The Rand Journal of Economics*, Summer 2005, 36(2), pp. 298-317.
- Courty, P., Heinrich, C. and Marschke, G. "Setting the Standard in Performance Measurement Systems," *International Public Management Journal*, 8(3), 2005, pp. 1-27; winner of June Pallot Award for Best Article, *International Public Management Journal*, 2005.
- Courty, P. and Marschke, G. "Benchmarking Performance," *Public Finance and Management*, 4(3), 2004, pp. 288-316.
- Kim, J. and Marschke, G. "Accounting for the recent surge in U.S. Patenting: Changes in R&D expenditures, patent yields, and the high tech sector," *Economics of Innovation and New Technology*, Vol. 13, No. 6, September 2004, pp. 543-558.
- Courty, P. and Marschke, G. "An Empirical Investigation of Gaming Responses to Performance Incentives," *Journal of Labor Economics*, Vol. 22, No. 1, January 2004, pp. 23-56; winner of H. Gregg Lewis Prize for Best Article, *Journal of Labor Economics*, 2004-2005.
- Courty, P. and Marschke, G. "Performance Funding in Federal Agencies: A Case Study of a Federal Job Training Program," *Public Budgeting and Finance*, Vol. 23, No. 3, Fall 2003, pp. 22-48.
- Courty, P. and Marschke, G. "Dynamics of Performance Measurement Systems," *Oxford Review of Economic Policy*, Vol. 19, No. 2, Summer 2003, pp. 268-84.
- Courty, P. and Marschke, G. "Performance Incentives with Award Constraints," *Journal of Human Resources*, Vol. 38, No. 4, Fall 2002, pp. 812-45.
- Marschke, G. "The Economics of Performance Incentives in Government with Evidence from a Federal Job Training Program," Chapter 4, in *Quicker, Better, Cheaper? Managing Performance in American Government*, (Dall Forsythe, ed), Rockefeller Institute Press, 2001, pp. 61-97.
- Marschke, G. "Performance Incentives in Government: Evidence from a U.S. Job Training Program for the Economically Disadvantaged," *Centre for Market and Public Organisation Bulletin*, No. 3, June 2000, pp. 4-7.
- Courty, P. and Marschke, G. "Measuring Government Performance: Lessons from a Federal Bureaucracy," *American Economic Review Papers and Proceedings*, Vol. 87, No. 2, May 1997, pp. 383-88.

- Lalonde, R., Marschke, G., and Troske, K. "Using Longitudinal Data on Establishments to Analyze the Effects of Union Organizing Campaigns in the United States," *Annales d'Economie et de Statistique*, No. 41/42, Jan-June 1996, pp. 155-85.
- Courty, P. and Marschke, G. "Moral Hazard Under Incentive Systems: The Case of a Federal Bureaucracy," in *Advances in the Study of Entrepreneurship, Innovation, and Economic Growth*, (Gary Libecap, ed.), Vol. 7, 1996, pp. 157-90.

Manuscripts

- Davis, J. C., Diethorn, H., Marschke, G. and Wang, A. "STEM Employment Resiliency during Recessions: Evidence from the COVID-19 Pandemic," submitted to *Research Policy*, revising (R&R).
- Ho, C-Y, Marschke, G., Noh, K., and Sung, W. "Bridging the Gender Innovation Gap with Paid Family Leave Policies," 2025.
- Davis, J. C., Diethorn, H., Marschke, G. and Wang, A. "A Machine Learning Approach to Identifying Postdocs in LEHD Data," 2023.
- Ross, M. B., Bae, J., Yu, H., Staudt, J., Owen-Smith, J., Lane, J. I., Marschke, G., Weinberg, B. "The Scientific Lifecycle: Innovation, Resources, and Selective Attrition," 2021.
- Marschke, G., Nunez, A., Weinberg, B.A. Yu, H., "The Last Ceiling? Trends in Representation Among Biomedical Authors," 2021.
- Chatterji, P., Li, Siyang, and Marschke, G. "Malpractice Reform and the Sorting of New Physicians by Medical Human Capital," *NBER Working Paper Series* (No. 24401), 2019.
- Barth, E., Davis, J. C., Freeman, R., Marschke, G., and Wang, A. "R&D Spillovers and Labor Mobility," 2017.
- Kim, J. and Marschke, G. "Teams in R&D: Evidence from Inventor Data," 2015.
- Courty, P. and Marschke, G. "On the Sorting of Physicians across Medical Specialties: Understanding Shortages and Growth in Specialization," *NBER Working Paper Series* (No. 14502), November 2008.
- Lee, S., Kim, J., and Marschke, G. "The Influence of University Research on Industrial Innovation," *NBER Working Paper Series* (No. 11447), June 2005.

GRANT FUNDING

Federal

Role: Principal Investigator
 Project: COVID-19 and the Future of the U.S. STEM Workforce
 Source: National Science Foundation
 Time period: 8/1/2020 - 8/1/2023
 Total funding: \$199,132

Role: Principal Investigator
 Project: Economic Impact of Investments in R&D and Science and Engineering Workers
 Source: National Science Foundation

Time period: 9/1/2019 - 8/31/2024
Total funding: \$548,099

Role: Principal Investigator
Project: Labor Market Outcomes of STEM PhDs: Measuring Career Earnings and Occupation Trajectories
Source: National Science Foundation
Time period: 4/1/2017 - 8/31/2023
Total funding: \$499,452

Role: Senior Investigator (Bruce Weinberg, Principal Investigator)
Project: Supplement: Aging of the Scientific Workforce and the Production of High Impact and Transformative Research
Source: National Institutes of Health
Time period: 9/15/2017 - 6/30/2018
Total funding: \$37,686

Role: Senior Investigator (Bruce Weinberg, Principal Investigator)
Project: Supplement: Aging of the Scientific Workforce and the Production of High Impact and Transformative Research
Source: National Institutes of Health
Time period: 9/15/2016 - 6/30/2017
Total funding: \$158,532

Role: Co-Principal Investigator (Andrew Wang and Richard Freeman, Principal Investigators)
Project: Assessing the Economic Impact of Documentary Standards
Source: National Institute of Standards and Technology (NIST)
Time period: 2/1/2016 - 1/31/2017
Total funding: \$150,000

Role: Senior Investigator/Co-Principal Investigator (Bruce Weinberg, Principal Investigator)
Project: Aging of the Scientific Workforce and the Production of High Impact and Transformative Research
Source: National Institutes of Health
Time period: 9/30/2013 - 9/30/2022
Total funding: \$1,361,791

Role: Principal Investigator
Project: Doctoral Dissertation Research: R&D Agglomeration
Source: National Science Foundation
Time period: 9/15/2013 - 9/1/2014
Total funding: \$15,000

Role: Co-Principal Investigator (Richard Freeman, Erling Barth, and Andrew Wang, co-Principal Investigators)

Project: DAT: Scientists and Engineers as Agents of Technological Progress: Measuring the Returns to R&D and the Economic Impact of Science & Engineering Workers

Source: National Science Foundation

Time period: 10/1/2009 - 10/1/2013

Total funding: \$399,998

Role: Co-Principal Investigator (Richard Freeman, Principal Investigator)

Project: Assessing the Impact of Federal Stimulus R&D Funding on Employment and Scientific Output

Source: National Science Foundation

Time period: 10/1/2009 - 10/1/2011

Total funding: \$194,000

Role: Principal Investigator

Project: Collaborative Research: Workshop on Linking NSF SED/SDR Data to Scientific Productivity Data

Source: National Science Foundation

Time period: 6/1/2007 - 5/31/2009

Total funding: \$15,594

Foundations and Other External Sources

Pending:

Role: Principal Investigator (Holden Diethorn, Elisabeth Perlman, Joseph Staudt, Bruce Weinberg, Co-Principal Investigators)

Project: Economic Effects of Research Doctorates: Evidence from Linked Data

Source: Alfred P. Sloan Foundation

Time period: 9/1/2025 - 8/31/2028

Total funding: \$575,573

Funded:

Role: Senior Investigator (Harald Dale-Olsen, Principal Investigator)

Project: Greening the economy - Facilitating Innovation, Economics and Labour Demand

Source: Research Council of Norway

Time period: 7/1/2023 - 6/30/2028

Total funding: \$130,000

Role: Principal Investigator

Project: Pathways from University Research to Productive Careers

Source: New York University

Time period: 11/9/2015 – 3/31/2017

Total funding: \$25,000

Role: Other (Pascal Courty, Principal Investigator)

Project: Faculty Salaries: Is there a Trade-off Between Equal Pay and Academic Excellence?

Source: Social Sciences and Humanities Research Council of Canada

Time period: 4/1/2011 - 3/1/2014

Total funding: \$60,000

University at Albany

Role: Principal Investigator

Project: Measuring the Impact of Non-compete Agreements on Scientist and Engineer Mobility and Compensation

Source: Center for Social and Demographic Analysis

Time period: 6/1/2011 - 8/1/2011

Total funding: \$5,000

Role: Principal Investigator

Project: Research and Development and Firm Size

Source: Faculty Research Award Program - Category B

Time period: 2002-2003 (Approximate)

Total funding: \$3125

Role: Principal Investigator

Project: Explaining the Recent Rise in U.S. Patents

Source: Faculty Research Award Program - Category A)

Time period: 2000-2001

Total funding: \$7848

CONFERENCE PRESENTATIONS¹

Chatterji, P. (author) and Marschke, G. (author, presenter). Society of Labor Economists Annual Meetings, Presented "Malpractice Reform and the Sorting of New Physicians by Medical Human Capital," Society of Labor Economists, Portland, Oregon. (May 4, 2024).

Diethorn, H. (author), Perlman, E. (author, presenter), Staudt, J. (author), Weinberg, B. (author), Investments in Early Career Scientists, Presented "Addressing the Small-n Problem For The Scientific Workforce," National Bureau of Economic Research, Cambridge, MA. (April 26, 2024).

Davis, J. C. (author), Diethorn, H. (Post-doc, author, presenter), Marschke, G. (author) and Wang, A. (author). American Economic Association meetings, online (January, 2023). Presented "STEM Employment Resiliency During Recessions: Evidence from the COVID-19 Pandemic," poster session.

Davis, J. C. (author), Diethorn, H. (Post-doc, author), Marschke, G. (author, presenter) and Wang, A. (author). COVID Information Commons, online (January, 2022). Presented "STEM Employment Resiliency during Recessions: Evidence from the COVID-19 Pandemic."

¹ All presentations are paper presentations unless otherwise noted.

- Barth, E. (author), Davis, J. C. (author), Marschke, G. (author, presenter), and Wang, A. (author). American Economic Association meetings, online (January, 2022). Presented "Worker Mobility, R&D Human Capital and Firm Productivity," poster session.
- Marschke, G. (author, presenter), Nunez, A. (author), Packalen, M. (author), Rosen, R. (author), Weinberg, B. (author), ASHEcon Meetings, "Scientific vs. Clinical Impact: The case of Alzheimer's Disease Research," American Society of Health Economists, Washington D.C. (June 25, 2019).
- Chatterji, P. (author), Li, S., and Marschke, G. (author, presenter). New York State Economic Association Annual Conference, "Malpractice Reform and the Sorting of New Physicians by Medical Human Capital," New York State Economic Association, Rochester, New York. (September 28, 2019).
- Diethorn, H. (author, presenter) and Marschke, G. (author). IRIS Summit 2019, "Postdoc Career Paths and Labor Market Outcomes: Evidence from UMETRICS-enhanced Census Data," Institute for Social Research, University of Michigan, Ann Arbor, Michigan. (September 26, 2019).
- Marschke, G. (author, presenter), Nunez, A. (author), Weinberg, B.A. (author) Yu, H. (author), IZA World Labor Conference, Berlin, Germany (June, 2018). Presented "Last Place: The Intersection between Ethnicity, Gender, and Race in Biomedical Authorship."
- Marschke, G. (author, presenter), Ross, M. (author), Staudt, J. (author), Weinberg, B. (author), and Yu, H. (author): Society of Labor Economists meetings, Raleigh, North Carolina (May, 2017). Presented "Team Age, Innovativeness, and Impact: Evidence from Big Data on Biomedical Scientists."
- Barth, E. (author), Davis, J. C. (author), Freeman, R. (author), Marschke, G. (author, presenter), and Wang, A. (author). American Economic Association meetings, Chicago, Illinois (January, 2017). Presented "R&D Spillovers and Labor Mobility."
- Kim, Jinyoung (author) and Marschke, G. (author, presenter). Atlanta Conference on Science and Innovation Policy, Atlanta, Georgia (September, 2015). Presented "Teamwork in Science: Evidence from Patent Data."
- Kim, Jinyoung (author) and Marschke, G. (author, presenter). Society of Labor Economists meetings, Montreal, Canada (September, 2015). Presented "Teamwork in Science: Evidence from Patent Data."
- Freeman, R. (author), Marschke, G. (author, presenter), and Wang, A. (author). National Bureau of Economic Research, Workshop on Academic Collaboration, Cambridge, Massachusetts (June, 2013). Presented "Collaboration in Biomedical Science."
- Courty, P. (author) and Marschke, G. (author, presenter). Society of Labor Economists meetings, Boston, Massachusetts (May, 2013). Presented "On the Sorting of Physicians across Medical Specialties: Understanding Shortages and Growth in Specialization."
- Wang, A. (author), Freeman, R. (author), and Marschke, G. (author, presenter). National Bureau of Economic Research, Productivity Lunch Seminar, Cambridge, Massachusetts (March, 2013). Presented "NIH Research Funding and Regional Economic Impacts."

- Marschke, G. (author, presenter). Nanobank Research Conference “The Rise of Nanotechnology,” Cambridge, MA (May 2011). Presented “Who are the R&D Revolutionaries? Evidence from Nanotechnology.”
- Kim, Jinyoung (author) and Marschke, G. (author, presenter). National Bureau of Economic Research Summer Institute Conference, Productivity and Development of American Economy Meetings, Cambridge, Massachusetts (July, 2010). Presented “Teamwork in Science: Evidence from Patent Data.”
- Barth, E. (author), Freeman, R. (author), Marschke, G. (author, presenter), Wang, A. (author). National Bureau of Economic Research, Productivity Lunch Seminar, Cambridge, Massachusetts (May, 2010). Presented “Booms and Busts in NIH Funding and their Effects on the Health Sciences.”
- Kim, D. H. (author), Courty, P. (author), and Marschke, G. (author, presenter), Fifth IZA Conference on Labor Market Policy Evaluation, Washington D.C. (October 2009). Presented “Curbing Cream-Skimming: Evidence on Enrolment Incentives.”
- Courty, P. (author) and Marschke, G. (author, presenter). Midwest Economic Association Meetings, Cleveland, OH (March 2009). Presented “Incentives in Academia.”
- Lee, S. (author), Kim, J. (author), and Marschke, G. (author, presenter). Nanobank Research Conference, Cambridge, MA (May 2008). Presented “Inventor Mobility and Knowledge Transmission in Nanotechnology.”
- Courty, P. (author) and Marschke, G. (author, presenter). Asian Conference 2007 on Applied Micro-Economics/Econometrics, Seoul, Korea (December, 2007). Presented “Incentives in Academia.”
- Courty, P. (author) and Marschke, G. (author, presenter). IZA/CEPR European Summer Symposium in Labour Economics (ESSLE), Buch am Ammersee, Germany (September, 2007). Presented “Incentives in Academia.”
- Kim, J. (author), Lee, S. (author), and Marschke, G. (author, presenter). Society of Labor Economists meetings, Chicago, Illinois (May, 2007). Presented “The Influence of University Research on Industrial Innovation.”
- Kim, J. (author), Lee, S. (author), and Marschke, G. (author, presenter). Society of Labor Economists meetings, Chicago, Illinois (May, 2007). Presented “International Knowledge Flows: Evidence from an Inventor-Firm Matched Data Set.”
- Goldfarb, B. (author), Smith, A. (author), and Marschke, G. (author, presenter). Society of Labor Economists meetings, Chicago, Illinois (May, 2007). Presented “Inventive Activity and Scholarship in Academe: Complements or Substitutes?”
- Kim, J. (author), Lee, S. (author), and Marschke, G. (author, presenter). Association for Public Policy Analysis and Management Research Conference, Washington, D.C. (November, 2006). Presented “The Influence of University Research on Industrial Innovation.”
- Courty, P. (author) and Marschke, G. (author, presenter). Association for Public Policy Analysis and Management Research Conference, Washington, D.C. (November, 2006). Presented “A General Test for Distortions in Performance Measures.”
- Kim, J. (author), Lee, S. (author), and Marschke, G. (author, presenter). Cleveland Federal Reserve Bank, “Universities, Innovation, and Economic Growth” Conference, Cleveland, OH (November, 2006). Presented “The Influence of University Research on Industrial Innovation.”

- Marschke, G. (author, presenter). National Science Foundation, “Using Human Resource Data from Science Resources Statistics, National Science Foundation, To Study the Science and Engineering Workforce” Conference, Washington, D.C. (October, 2006). Presented “Matching Data.”
- Kim, J. (author), Lee, S. (author), and Marschke, G. (author, presenter). National Bureau of Economic Research Summer Institute, “Academic Science and Entrepreneurship: Dual Engines of Growth?” Conference, Santa Fe, NM (April, 2005). Presented “The Influence of University Research on Industrial Innovation.”
- Kim, J. (author) and Marschke, G. (author, presenter). WIPO-OECD Workshop on the Use of Patent Statistics, Geneva, Switzerland (October, 2004). Presented “Labor Mobility of Scientists, Technological Diffusion, and the Firm’s Patenting Decision.”
- Kim, J. (author), Lee, S. (author), and Marschke, G. (author, presenter). National Bureau of Economic Research Summer Institute, “Academic Science and Entrepreneurship: Dual Engines of Growth?” Pre-conference, Cambridge, Massachusetts (July, 2004). Presented “The Influence of University Research on Industrial Innovation: Evidence from the Pharmaceutical and Semiconductor Industries.”
- Goldfarb, B. (author), Smith, A. (author), and Marschke, G. (author, presenter). Association for Public Policy Analysis and Management Research Conference, Washington, D.C. (November, 2003). Presented “Inventive Activity and Scholarship in Academe: Complements or Substitutes?”
- Courty, P. (author) and Marschke, G. (author, presenter). National Bureau of Economic Research Summer Institute Conference, Productivity/Organizational Economics/Industrial Organization Joint Meeting, Cambridge, Massachusetts (July, 2003). Presented “Dynamics of Performance Measurement Systems.”
- Martinez-Moyano, I. (author, presenter) and Marschke, G. (author, presenter). System Dynamics Society 21st International Conference, New York, New York (July, 2003). Presented “Dynamics of Performance Measurement Systems in JTPA: Exploring how learning processes and rule-following preferences influence changes in organizational rule systems.”
- Kim, Jinyoung (author) and Marschke, G. (author, presenter). North American Econometric Society meetings, Chicago, Illinois (June, 2003). Presented “Labor Mobility of Scientists, Technological Diffusion, and the Firm’s Patenting Decision.”
- Courty, P. (author) and Marschke, G. (author, presenter). Association for Public Policy Analysis and Management Research Conference, Washington, D.C. (November, 2002). Presented “Making Government Accountable: Some Evidence on the Problem of Measuring Performance.”
- Marschke, G. (author). Association for Public Policy Analysis and Management Research Conference, Washington, D.C. (November, 2002). Presented “Performance Incentives and Organizational Behavior: Evidence from a Federal Bureaucracy.”
- Kim, Jinyoung (author) and Marschke, G. (author, presenter). Society of Labor Economists meetings, Baltimore, Maryland (May, 2002). Presented “The Mobility of Research Personnel and Technological Spillovers.”
- Courty, P. (author) and Marschke, G. (author, presenter). Western Economic Association meetings, San Francisco, California (July, 2001). Presented “Performance Incentives with Award Constraints.”

- Courty, P. (author) and Marschke, G. (author, presenter). North American Econometric Society meetings, College Park, Maryland (June, 2001). Presented "Performance Incentives with Award Constraints."
- Kim, Jinyoung (author) and Marschke, G. (author, presenter). National Bureau of Economic Research Productivity Conference, Cambridge, Massachusetts (March, 2001). Presented "Labor Mobility of Scientists, Technological Diffusion, and the Firm's Patenting Decision."
- Kim, Jinyoung (author) and Marschke, G. (author, presenter). Southern Economic Association meetings, special session honoring James J. Heckman, 2000 Nobel Laureate in Economics, invited paper (November, 2000). Presented "The Market for Scientists and the Recent Surge in Patenting."
- Kim, Jinyoung (author) and Marschke, G. (author, presenter). Midwest Economic Association meetings, Chicago, Illinois (March, 2000). Presented "Explaining the Recent Surge in Patenting."
- Courty, P. (author) and Marschke, G. (author, presenter). National Academy of Sciences Conference, "Devising Incentives to Promote Human Capital," Irvine, California (December, 1999). Presented "Designing Optimal Award Functions: Theory and Application to a Government Organization."
- Courty, P. (author) and Marschke, G. (author, presenter). Centre for Market and Public Organisation, featured speaker at the one-day workshop, "Incentives in Public Sector Organisations," University of Bristol, Bristol, England (November, 1999). Presented "An Empirical Investigation of Gaming Responses to Performance Incentives."
- Marschke, G. (author, presenter). North American Econometric Society meetings, Madison, Wisconsin (June, 1999). Presented "Performance Incentives and Bureaucratic Behavior: Evidence from a Federal Bureaucracy."
- Marschke, G. (author, presenter). Society of Labor Economists meetings, Cambridge, Massachusetts (May, 1999). Presented "Performance Incentives and Bureaucratic Behavior: Evidence from a Federal Bureaucracy."
- Marschke, G. (author, presenter). Midwest Economic Association meetings, Nashville, Tennessee (March, 1999). Presented "Performance Incentives and Bureaucratic Behavior: Evidence from a Federal Bureaucracy."
- Marschke, G. (author, presenter). Royal Economic Society meetings, Nottingham, England (March, 1999). Presented "Performance Incentives and Bureaucratic Behavior: Evidence from a Federal Bureaucracy."
- Courty, P. (author) and Marschke, G. (author, presenter). Midwest Economic Association meetings, Chicago, Illinois (March, 1998). Presented "An Empirical Investigation of Gaming Responses to Performance Incentives."
- Courty, P. (author) and Marschke, G. (author, presenter). American Economic Association meetings, New Orleans, Louisiana (January, 1997). Presented "Measuring Government Performance: Lessons from a Federal Bureaucracy."
- Courty, P. (author) and Marschke, G. (author, presenter). Seventh Karl Eller Center Business/Academic Dialogue, University of Arizona (May, 1995). Presented "Moral Hazard under Incentive Schemes: The Case of a Federal Bureaucracy."
- Marschke, G. (author). Western Economic Association meetings, Lake Tahoe, California (June, 1993). Presented "Bureaucratic Incentives and Behavior: The Case of JTPA."

Invited lectures and presentations in academic seminars

Binghamton University; Boston University; Bocconi University; Case Western University; Higher School of Economics (Moscow, Russia); Institute for the Study of Labor (Bonn, Germany); European University Institute (Florence, Italy); London Business School; Milken Institute; National Bureau of Economic Research (Cambridge, MA); Ohio State University; Rensselaer Polytechnic Institute, Union College; University at Albany, SUNY; University at Buffalo, SUNY; University of Arizona; University of Bristol; University of British Columbia; University of Chicago; University of Maryland; University of Rochester; W.E. Upjohn Institute.

TEACHING**Courses offered and semester taught at the University at Albany***Undergraduate Courses*

Economics of Science and Technology (Economics, ECO 480/580), S12
 Environmental Economics (Economics, ECO 385) S99
 Intermediate Microeconomics (Economics, ECO 300) S05
 Labor Economics (Economics, ECO 370) S00, F01, F03, F06, F07, S12, F13, S13, S14, F15, S15, S16, F16, S17, S18, F18, S19, F19, S20, F20, S21, F22, S22, S23, S24

Graduate Courses

Economics of Science and Technology (Economics, ECO480/580) S12
 Economic and Financial Theory (Public Admin. & Policy, PhD, PAD 703) F99, S00, F00, S01, F01, F02, F03, S05, S06, S07, S08, S11
 Labor Economics (Economics, PhD, ECO 750/802) F00, F02, F04, S05, S07, F10, F12, F15, F17, F19, F23
 Performance Measurement and Contracting in Government (Public Admin. & Policy, MPA/MPP, PAD 532) F07
 Principles of Public Economics (Public Admin. & Policy, MPA/MPP, PAD 503) F99, S00, F00, F01, S01, F02, F03, S05, S06, F06, S07, S08, S11
 Quantitative Methods (Public Admin. & Policy, PhD, PAD 705) S02
 Science and Innovation Policy (Public Admin. & Policy, MPA, PhD, PAD 649) F10
 Topics in Applied Economics (Economics, PhD, ECO 803) F25

Courses taught at other universities

Markets and Market Policy (Harvard, Kennedy School, MPP, API 101), 2008
 Microeconomic Theory (Harvard, Kennedy/FAS/Business, PhD, API-112/Econ 2020b/HBS 4011), 2009
 Environmental Economics (Buffalo, Economics, Undergraduate) 1996-1997
 Intermediate Microeconomics (Buffalo, Economics, Undergraduate) 1996-1997
 Organizational Economics (Buffalo, Economics, Undergraduate) 1996-1997

Students supervised

Post-doctoral

Diethorn, Holden, 2020-3 (Supervisor)

Ph.D. (graduation year listed)

Noh, Kyoungah, in progress (Dissertation co-chair)
 Zhang, Yaxu, in progress (Dissertation chair)
 Mayca, Max, in progress (Dissertation chair)
 Talukder, Jayanta, 2023 (Dissertation committee member)
 Hao, Mengdi, 2023 (Dissertation committee member)
 Jang, Min, 2022 (Dissertation committee member)
 Nunez, Allison, 2022 (Dissertation chair)
 Sung, Won, 2022 (Dissertation committee member)
 Ramaprasad, Savita, 2020 (Dissertation committee member)
 Diethorn, Holden, 2020 (Dissertation chair)
 Yu, Huifeng, 2019 (Dissertation chair)
 Kang, Gusang, 2018 (Dissertation chair)
 Cheng, Na, 2016 (Dissertation chair)
 Zhou, Sifan, 2015 (Dissertation chair)
 Nguyen, Dung Kieu, 2014 (Dissertation chair)
 Gu, Gyojeong, 2014 (Dissertation chair)
 Song, Fang, 2014 (Dissertation committee member)
 Li, Lei, 2013 (Dissertation committee member)
 Chung, Hyuk, 2013 (Dissertation committee member)
 Dindaroglu, Burak, 2010 (Dissertation chair)
 Kim, Do Han, 2009 (Dissertation committee member)
 Pal, Santanu, 2006 (Dissertation committee member)
 Sadhu, Santadarshan, 2006 (Dissertation committee member)
 Martinez-Moyano, Ignacio, 2005 (Dissertation committee member)
 Song, Xueda, 2004 (Dissertation chair)
 Yao, Vincent, 2004 (Dissertation committee member)
 Roy, Anusuya, 2003 (Dissertation committee member)

Master's (graduation year listed)

Kelley, Patrick, 2020 (Master's thesis advisor)
 Triggs, Charlotte, in progress (Master's thesis advisor)

Undergraduate

Allen, Breanna, 2020 (Undergraduate honors thesis advisor)
 Yang, Enhao, 2020 (Undergraduate honors thesis advisor)

SERVICE**Department service²**

Budget Committee, member, 2024

² After 2011, all departmental service is in Economics.

7-Year Review Committee, coordinator, 2024-2025
 Summer Ph.D. Research Brown Bag, co-lead, 2022, 2023, 2024
 Publicity/Web committee, member, 2023–2024
 Economics MA committee, member, 2016–2019, 2022-2024
 Personnel Committee, member, 2022–2023
 International Macro/Trade Faculty Search Committee, chair, 2020–2021
 Web/Publicity committee, chair, 2019–2020
 Environmental Economist Faculty Search Committee, chair, 2017–2018
 Financial Economist/Econometrician Faculty Search Committee, chair, 2016–2017
 International Economist Faculty Search Committee, chair, 2015–2016
 Economics MA, program director, Economics 2011–2016
 Faculty Promotion/Renewal Committee, member, 2015
 Applied Microeconomics Faculty Search Committee, chair, 2012–2013
 2020 Proposal drafting/submission, co-lead, Economics, 2011–2012
 Public Economics Faculty Search Committee, member, Public Administration & Policy, 2008–2009
 Ph.D. Program Director, Public Administration & Policy, 2004–2005
 Marketing Advisory Board, member, Public Administration & Policy, 2004–2005
 Faculty Recruitment Committee, member, Public Administration & Policy, 2004–2005
 IT Commons Line Proposal Committee, member, Economics, 2004–2005
 Undergraduate Studies Committee, member, Economics, 2004–2005
 Faculty Recruitment Committee, chair, Economics, 2005–2006
 Ph.D. Program Director, Public Administration & Policy, 2002–2005
 Undergraduate Studies Committee, member, Economics, 2002–2005
 Visiting Faculty Search Committee, chair, Public Administration & Policy, 2002
 Graduate Studies M.A. Subcommittee, member, Economics, 2001–2002
 Faculty Search Committee, member, Economics, 2001
 MPA Admissions Committee, member, Public Administration & Policy, 1999–2002
 Ph.D. Program Admissions Committee, member, Public Administration & Policy, 1999
 Faculty Chair Search Committee, member, Public Administration & Policy, 1999
 Strategic Planning Committee, member, Public Administration & Policy, 1998

School/College Service

Advisor, MPP Compact Planning, Rockefeller College, 2015
 Academic Program Director, Undergraduate Public Policy and Management, Rockefeller College, 2010–2011
 ITS Liaison Committee, member, Rockefeller College, 2006–2008
 ITS Staff Recruitment Committee, member, Rockefeller College, 2007–2008
 Grievance Committee, member, Rockefeller College, 2001
 Husted Hall Rehabilitation Committee, member, Rockefeller College, 1999–2000

University level

Open Access Policy Implementation Working Group, committee member, 2022–present

Facilities Management and Research Foundation Space Survey project, departmental representative, 2023
 Open Access Policy Working Group, committee member, 2018–2020
 Middle States Workgroup 6, committee member, 2018–2020
 Open Access Policy Working Group, guest speaker, 2019
 Libraries, Information Services, and Computing, committee member, 2017–2019
 University Senate, faculty representative, 2017–2019
 Educational Technology Advisory Group, committee member, 2018
 Presidential Innovation Fund for Research and Scholarship, grant proposal reviewer, 2016
 Faculty Search Steering Committee, member, 2007–2008
 Intercollegiate Athletic Advisory Board, faculty representative, 2004–2005
 Research Council, faculty representative, 2003–2004
 Faculty Mentor Program for undergraduates, participant, 2001–2002, 2003–2004
 ITS Liaison Committee, member, 2004–2005
 University Senate, faculty representative (including service on Research Council, FRAP ad hoc committee, Governance Committee, and Governance Assessment Council), 2003–2005
 Professional Development Seminar for assistant professors, invited speaker, 2004

Professional service

Reviewer (selected)

American Economic Journal; Applied Economics; British Journal of Industrial Relations; Contemporary Economic Policy; Economic Journal; Economics Letters; European Economic Review; Games and Economic Behavior; Harvard Data Science Review; Industrial Innovation; International Journal of Manpower; International Monetary Fund Staff Papers; Journal of Economics and Management Strategy; Journal of Human Capital; Journal of Labor Economics; Journal of Law, Economics, and Organization; Journal of Policy Analysis and Management; Journal of Political Economy; Journal of Politics; Journal of Public Administration Research and Theory; Labour Economics; Management Science; Managerial and Decision Economics; National Institutes of Health; National Science Foundation; Oxford University Press (Book); PLoS ONE; Public Performance and Management Review; Research Policy; Review of Economics and Statistics; Routledge Publishing (Textbook), Smith Richardson Foundation (Grant Proposal), Social Sciences and Humanities Research Council of Canada; Strategic Management Journal

Advisory Committees and Review Panels

Member, National Advisory General Medical Sciences Council, NIGMS/NIH 2025-
 Advisor, National Institute of General Medical Sciences, 2022-2023
 Ad hoc consultant, National Institute of General Medical Science (NIH) Advisory Council, Bethesda, Maryland, USA. 2022-2023
 Committee Member, Advance Resource Coordination Network (ARC), Columbus, Ohio, 2020-2023
 Member, U.S. Census: IMI Documentation Testers, Suitland, Maryland, 2016

Member, Review Panel, National Science Foundation, 2012, 2019 2021, 2022
 Member, Review Panel, National Institute of General Medical Sciences, 2012
 Member, Study Group, National Institute of General Medical Sciences, 2011
 Board Member, Human Resources Experts Panel, Division of Science Resources
 Statistics, National Science Foundation, 2006-2009

Other

External reviewer for faculty promotion case, Binghamton University, Binghamton, NY
 2013
 External reviewer for faculty promotion case, Indiana University, South Bend, IN 2009
 Committee member, H. Gregg Lewis Award, *Journal of Labor Economics*, 2008
 Organizing committee member, ARC Network Emerging Research Themes Workshop,
 “Using Big Data and Algorithms to Foster Equity in STEM,” Phoenix, Arizona,
 December 2021
 Session organizer, “R&D Agglomeration, Spillovers, and Recombination Mechanisms
 and Implications for Productivity and Growth,” American Economic Association
 meetings, Chicago, Illinois, January 2017
 Panelist, "Economic Perspectives on Technical Emergence," Global TechMining
 Conference, Atlanta, Georgia, September 2015
 Co-organizer, Conference "Toward an R&D Agenda for the New Administration and
 Congress: Perspectives from Scientists and Economists," Washington, D.C., March
 2009
 Co-organizer, NSF Conference on Linking NSF Scientist and Engineering Data to
 Scientific Productivity Data, Arlington, Virginia, February 2008
 Panelist, “Where to from here? Future priorities for patent statistics and analysis,” WIPO-
 OECD Workshop on the Use of Patent Statistics, Geneva, Switzerland, October 2004
 Session chair, “Empirical Innovation,” North American Econometric Society meetings,
 Chicago, Illinois, June 2003
 Discussant, Southern Economic Association meetings, special session honoring James J.
 Heckman, 2000 Nobel Laureate in Economics, November 2000
 Discussant, Midwest Economic Association meetings, Chicago, Illinois, March 2000
 Discussant, Midwest Economic Association meetings, Nashville, Tennessee, March 1999
 Session chair, “Immigration and its Implications,” Midwest Economic Association
 meetings, Nashville, Tennessee, March 1999

PROFESSIONAL AFFILIATIONS

American Economic Association
 Society of Labor Economists