

## HOWARD WIAL

### Home:

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### Work:

Center for Urban Economic Development  
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**CITIZENSHIP:** U.S.A.

### **EDUCATION:**

**YALE LAW SCHOOL** J.D., 1995

**MIT** Ph.D. (Economics), 1988  
Academic Honors: MIT Graduate Fellowship

**THE UNIVERSITY OF MICHIGAN** A.B. (Economics), 1981  
Academic Honors: Degree with highest distinction and highest honors in economics, Phi Beta Kappa, Sims Prize in economics, Rackham Undergraduate Scholarship, university academic scholarships, National Merit Scholarship.

### **EMPLOYMENT:**

**THE UNIVERSITY OF ILLINOIS, Chicago, IL** 2012-present  
*Executive Director and Associate Research Professor, Center for Urban Economic Development; Associate Professor of Urban Planning & Policy (by courtesy). Directed research center on urban and regional economic development.*

**THE BROOKINGS INSTITUTION, Washington, DC** 2005-present  
*Nonresident Senior Fellow (in residence as Fellow and Senior Research Associate, 2005-2012). While in residence, directed Brookings' Metropolitan Economy Initiative. Conducted and commissioned research on urban and regional economies, manufacturing, and innovation for non-profit research organization.*

**KEYSTONE RESEARCH CENTER, Harrisburg, PA** 2004-2005  
*Research Director. Directed and conducted public policy research for non-profit research organization.*

**WORKING FOR AMERICA INSTITUTE**, Washington, DC 2001-2004  
*Research Director.* Directed strategic and public policy research on employment, industry studies, and economic development for non-profit organization.

**U.S. GENERAL ACCOUNTING OFFICE**, Washington, DC 2000-2002  
*Senior Economist.* Directed and conducted public policy research on pensions and employment. (On leave Sept. 2001-March 2002.)

**KEYSTONE RESEARCH CENTER**, Harrisburg, PA 1997-2000  
*Senior Fellow.* Directed and conducted public policy research for non-profit research organization.

**RUTGERS UNIVERSITY SCHOOL OF LAW, CAMDEN** 1998  
*Adjunct Professor of Law.* Taught law and economics.

**PENNSYLVANIA STATE UNIVERSITY** 1995-98  
*Assistant Professor of Labor Studies and Industrial Relations.* Taught labor law and employment law. (On leave 1997-98.)

**OFFICE OF TECHNOLOGY ASSESSMENT, U.S. CONGRESS** 1994-95  
*Analyst* (on assignment from U.S. Department of Labor). Co-authored study of labor markets and work organization in the service sector.

**U.S. DEPARTMENT OF LABOR**, Washington, DC 1992-95  
*Manpower Analyst, Bureau of International Labor Affairs.* Analyzed effects of immigration and immigration policy on U.S. economy. Assisted in formulating immigration policy and regulations.

**BREDHOFF & KAISER**, Washington, DC 1992  
*Summer Associate.* Performed legal research and writing in cases involving collective bargaining, pensions and employee benefits, and administrative law.

**OFFICE OF TECHNOLOGY ASSESSMENT, U.S. CONGRESS** 1992  
*Consultant* (summer). Researched and wrote portions of report on U.S.-Mexico trade.

**GARRISON & ARTERTON**, New Haven, CT 1991  
*Summer Associate.* Performed legal research and writing and economic consulting in cases involving employment discrimination, pensions and employee benefits, and employment terminations.

**CONNECTICUT DEPARTMENT OF LABOR** 1991  
**EMPLOYMENT SECURITY APPEALS DIVISION**  
**BOARD OF REVIEW**, Wethersfield, CT

*Law Clerk* (summer). Wrote proposed draft opinion of Board in case involving unemployment benefits for permanently replaced strikers.

**BROWN UNIVERSITY** 1989-90

*Visiting Assistant Professor of Economics*. Taught microeconomics, labor economics, industrial relations.

**CARLETON COLLEGE** 1987-89

*Assistant Professor of Economics*. Taught micro- and macroeconomics, labor economics, urban and regional economics, political economy.

**BRANDEIS UNIVERSITY** 1986-87

*Visiting Assistant Professor of Economics*. Taught micro- and macroeconomics, political economy.

**SWARTHMORE COLLEGE** 1985

*Instructor in Economics*. Taught microeconomics and political economy.

### **BOOKS:**

*Urban and Regional Policy and Its Effects, vol. 4: Building Resilient Regions* (edited, with Margaret Weir, Nancy Pindus, and Harold Wolman). Washington: Brookings Institution Press, 2012.

*Urban and Regional Policy and Its Effects, vol. 3* (edited, with Nancy Pindus and Harold Wolman). Washington: Brookings Institution Press, 2010.

*Urban and Regional Policy and Its Effects, vol. 2* (edited, with Nancy Pindus and Harold Wolman). Washington: Brookings Institution Press, 2009.

*Urban and Regional Policy and Its Effects, vol. 1* (edited, with Margery Austin Turner and Harold Wolman). Washington: Brookings Institution Press, 2008.

*New Rules for a New Economy* (with Stephen Herzenberg and John Alic). Ithaca, NY: Cornell University/ILR Press, 1998.

### **ARTICLES & BOOK CHAPTERS (ACADEMIC AND GENERAL):**

“A Factory in Every Home? Emerging Manufacturing Technologies and Metropolitan Development,” in *Technology and the Resilience of Metropolitan Regions*, ed. Michael A. Pagano. Urbana, IL: University of Illinois Press, forthcoming 2014.

“Economic Shocks and Regional Economic Resilience” (with Edward Hill, Travis St. Clair, Harold Wolman, and others), in *Urban and Regional Policy and Its Effects, vol. 4: Building Resilient Regions*, ed. Margaret Weir, Nancy Pindus, Howard Wial, and Harold Wolman. Washington: Brookings Institution Press, 2012.

“Work” (with Alec Friedhoff), in Brookings Institution Metropolitan Policy Program, *State of Metropolitan America*, pp. 118-131. Washington: Brookings Institution Metropolitan Policy Program, May 2010.

“Strategy: A National Innovation Foundation,” *Democracy* 14 (Fall 2009): 37-42.

“A National Innovation Foundation: A Proposal to Spur Economic Growth and Improve the University-Industry Relationship” (with Robert Atkinson), *NCURA Magazine* 40, no. 5 (December 2008/January 2009): 18-19.

“Creating a National Innovation Foundation” (with Robert Atkinson), *Issues in Science and Technology* 25 (Fall 2008): 75-84.

“The Changing Industrial Composition of Manufacturing-Based Regions, 1980-2005,” in *Labor and Employment Relations Research Association Series: Proceedings of the 60th Annual Meeting*, ed. Adrienne Eaton, pp. 84-91. Champaign, IL: Labor and Employment Relations Association, 2008.

“International Responses to an Aging Labor Force: Lessons for U.S. Policy” (with Charles Jeszeck, Tony DeFrank, Katharine Leavitt, Jeffrey S. Petersen, Janice Peterson, and Yunsian Tai), in *Work Options for Older Americans*, ed. Teresa Ghilarducci and John Turner. Notre Dame, IN: University of Notre Dame Press, 2007.

“Who Benefits from Increasing Contribution Limits for Defined Contribution Plans?” in *Industrial Relations Research Association Series: Proceedings of the 55th Annual Meeting*, ed. Adrienne Eaton, pp. 12-19. Champaign, IL: Industrial Relations Research Association, 2003.

“Nonstandard Employment and the Structure of Postindustrial Labor Markets” (with Stephen Herzenberg and John Alic), in *Nonstandard Work*, ed. Francoise Carre et al., pp. 399-426. Champaign, IL: Industrial Relations Research Association, 2000.

“A New Deal for a Learning Economy: Jobs and Careers in Postindustrial Society” (with Stephen Herzenberg and John Alic), in *New Directions in Career Planning and the Workplace*, ed. Jean Kummerow, pp. 77-121. Palo Alto, CA: Davies-Black, 2000.

“A New Deal for a New Economy” (with Stephen Herzenberg and John Alic), *Challenge* 42 (March/April 1999): 102-129.

“Toward a Learning Economy” (with Stephen Herzenberg and John Alic), *Issues in Science and Technology* 15 (Winter 1998-99): 55-62.

“The Role of Central Labor Councils in Union Organizing in the 1990s” (with Fernando Gapasin), in *Organizing to Win*, ed. Kate Bronfenbrenner et al., pp. 54-68. Ithaca, NY: Cornell University/ILR Press, 1998.

“New Unions for a New Economy” (with Stephen Herzenberg and John Alic), *The New Democrat* 10 (March 1998): 8-12.

"Is Job Stability Declining in the U.S. Economy?," Reply to Diebold, Neumark, and Polsky" (with Kenneth Swinnerton), *Industrial & Labor Relations Review* 49 (January 1996): 352-355.

"Is Job Stability Declining in the U.S. Economy?" (with Kenneth Swinnerton), *Industrial & Labor Relations Review* 48 (January 1995): 293-304. (Also presented at annual meetings of American Economic Association, January 1995.)

"Rethinking the Microeconomic Foundations of Worker Representation and Its Regulation," in *Industrial Relations Research Association Series: Proceedings of the 47th Annual Meeting*, ed. Paula Voos, pp. 414-421. Madison, WI: Industrial Relations Research Association, 1995.

"New Bargaining Structures for New Forms of Business Organization," in *Restoring the Promise of American Labor Law*, ed. Sheldon Friedman et al., pp. 301-313. Ithaca, NY: Cornell University/ILR Press, 1994.

"The Emerging Organizational Structure of Unionism in Low-Wage Services," *Rutgers Law Review* 45 (Spring 1993): 671-738.

"Insurance and Other Employee Benefits." Contributed chapter in Gary Phelan and Janet Arterton, *Disability Discrimination in the Workplace*. Deerfield, IL: Clark Boardman Callaghan, 1992.

"Getting a Good Job: Mobility in a Segmented Labor Market," *Industrial Relations* 30 (Winter 1991): 396-416. Reprinted in *Segmented Labor Markets and Labor Mobility*, ed. Michael Reich. Northampton, MA: Edward Elgar, 2009.

"Youth Entry into Internal Labor Markets in the United States: The Case of Ethnic Neighborhood Labor Markets," in *Il Margine e la Voce*, ed. Paolo Garonna, pp. 77-91. Milan: Franco Angeli, 1988. (In Italian.)

### **TECHNICAL AND PUBLIC POLICY REPORTS:**

"New App for Making It in America: Year One Evaluation Report" (with Peter Creticos and Meghan McShan). Chicago: Center for Urban Economic Development, University of Illinois at Chicago, December 2013.

"The Illinois Medical District: Its Economic Impact and Workforce" (with Elizabeth Scott). Chicago: Center for Urban Economic Development, University of Illinois at Chicago, October 2013.

"An Unbalanced Pension Proposal" (with Stephen Herzenberg). Chicago: Center for Urban Economic Development, University of Illinois at Chicago, and Harrisburg, PA: Keystone Research Center, August 2013.

“Multiplying Jobs: How Manufacturing Contributes to Job Growth in Chicago and the Nation” (with Elizabeth Scott). Chicago: Center for Urban Economic Development, University of Illinois at Chicago, May 2013.

“Locating Chicago Manufacturing: The Geography of Production in Metropolitan Chicago.” Chicago: Center for Urban Economic Development, University of Illinois at Chicago, February 2013.

“Locating American Manufacturing: Trends in the Geography of Production” (with Susan Helper and Timothy Krueger). Washington: Brookings Institution, May 2012.

“Why Does Manufacturing Matter? Which Manufacturing Matters? A Policy Framework” (with Susan Helper and Timothy Krueger). Washington: Brookings Institution, February 2012.

“Responding to Manufacturing Job Loss: What Can Economic Development Policy Do?” (with Patricia Atkins, Pamela Blumenthal, Adrienne Edisis, Alec Friedhoff, Leah Curran, Lisa Lowry, Travis St. Clair, and Harold Wolman). Washington: Brookings Institution, June 2011.

“Accelerating Advanced Manufacturing with New Research Centers” (with Susan Helper). Washington: Brookings Institution, February 2011.

“The Consequences of Metropolitan Manufacturing Decline: Testing Conventional Wisdom” (with Alec Friedhoff and Harold Wolman). Washington: Brookings Institution, December 2010.

“Strengthening American Manufacturing: A New Federal Approach” (with Susan Helper). Washington: Brookings Institution, September 2010.

*MetroMonitor: Tracking Economic Recession and Recovery in America’s 100 Largest Metropolitan Areas* (with various co-authors). Washington: Brookings Institution, quarterly, June 2009-March 2012.

“How a Metro Nation Would Feel the Loss of the Detroit Three Automakers.” Washington: Brookings Institution, December 2008.

*Boosting Productivity, Innovation, and Growth through a National Innovation Foundation* (with Robert Atkinson). Washington: Brookings Institution and Information Technology and Innovation Foundation, April 2008.

*The Implications of Service Offshoring for Metropolitan Economies* (with Robert Atkinson). Washington: Brookings Institution, February 2007.

*Bearing the Brunt: Manufacturing Job Loss in the Great Lakes Region, 1995-2005* (with Alec Friedhoff). Washington: Brookings Institution, July 2006.

*Displacement in Appalachia and the Non-Appalachian United States, 1993-2003: Findings Based on Five Displaced Worker Surveys* (with Stephen Herzenberg and Mark Price), report to Appalachian Regional Commission, 2005.

*Underemployment in Appalachia and the Rest of the United States, 1996-2004* (with Mark Price), report to Appalachian Regional Commission, 2005.

*Creating Regional Advantage in Appalachia: Towards a Strategic Response to Global Economic Restructuring* (with Stephen Herzenberg and Suzanne Teegarden), report to Appalachian Regional Commission, 2005.

*The State of Working Pennsylvania 2004*. Harrisburg, PA: Keystone Research Center, September 2004.

“Limiting Learning: How School Funding Caps Erode the Quality of Education.” Harrisburg, PA: Keystone Research Center, May 2004.

“How Not To Estimate the Effect of Prevailing Wage Laws on Public Construction Costs: An Evaluation of Dr. Yale Stenzler’s Analysis of the Impact of State Prevailing Wage Rates, Public School Construction Projects, State of Maryland, Fiscal Year 2001-Fiscal Year 2003.” Harrisburg, PA: Keystone Research Center, March 2004.

*The State of Working Alabama* (with Jeff Rickert). Washington: Working for America Institute, September 2003.

*U.S. Hotels and Their Workers: Room for Improvement* (with Jeff Rickert). Washington: Working for America Institute, September 2002.

*Blueprint for a Better Pennsylvania* (with Stephen Herzenberg). Harrisburg, PA: Keystone Research Center, September 2000.

“Pennsylvania Minimum Wage Briefing Points.” Harrisburg, PA: Keystone Research Center, March 2000.

*An Assessment of Labor Force Participation and Underemployment in Appalachia* (with David Bradley and Stephen Herzenberg), report to Appalachian Regional Commission, 2000.

*The State of Working Pennsylvania 1999*. Harrisburg, PA: Keystone Research Center, September 1999.

“Do Lower Prevailing Wages Reduce Public Construction Costs?” Briefing Paper 99/2. Harrisburg, PA: Keystone Research Center, July 1999.

*Democracy in Pennsylvania*. Harrisburg, PA: Keystone Research Center, July 1999.

“A Real Tax Cut for Pennsylvania’s Middle Class,” Briefing Paper 99/1. Harrisburg, PA: Keystone Research Center, March 1999.

*The Job Gap in Pennsylvania: Are There Enough Living-Wage Jobs?* Harrisburg, PA: Keystone Research Center, February 1999.

*Leveraging Labor Influence to Strengthen the Greater Philadelphia Area Workforce Development System*, (with Stephen Herzenberg), report to the Philadelphia Jobs Initiative. Harrisburg, PA: Keystone Research Center, September 1998.

*The State of Working Pennsylvania 1998* (with Stephen Herzenberg). Harrisburg, PA: Keystone Research Center, August 1998.

*Delaware's Financial Services Network: Case Study and Replication Guide* (with Jan Abrams, Dennis Bellafiore, and Stephen Herzenberg), report to Delaware Economic Development Office. Harrisburg, PA: Keystone Research Center, August 1998.

"Pulling Apart in Pennsylvania: The Incomes of Pennsylvania Families Since the 1970s," Briefing Paper 98/3. Harrisburg, PA: Keystone Research Center, July 1998.

Contributor to Keystone Research Center, *Technology and Industrial Performance in the Service Sector*, report to U.S. Department of Commerce. Harrisburg, PA: Keystone Research Center, 1998.

"Employment and Wages of Part-time Workers in Pennsylvania and the United States, 1979-1996," Briefing Paper 98/2. Harrisburg, PA: Keystone Research Center, April 1998.

"Joblessness Remains a Problem in Pennsylvania," Briefing Paper 98/1, January 1998. *The State of Working Pennsylvania 1997* (with Stephen Herzenberg). Harrisburg, PA: Keystone Research Center, August 1997.

### **CONTRIBUTIONS TO GOVERNMENT REPORTS:**

U.S. General Accounting Office, *Older Workers: Demographic Trends Pose Challenge for Employers and Workers*, GAO-02-85, November 2001.

U.S. General Accounting Office, *Private Pensions: Issues of Coverage and Increasing Contribution Limits for Defined Contribution Plans*, GAO-01-846, September 2001 (principal author).

Office of Technology Assessment, U.S. Congress, *Pulling Together for Productivity: A Union-Management Initiative at US West, Inc.*, September 1993.

Office of Technology Assessment, U.S. Congress, *U.S.-Mexico Trade: Pulling Together or Pulling Apart?* October 1992.

### **UNPUBLISHED PAPERS & SELECTED CONFERENCE PRESENTATIONS:**

“Manufacturing Job Loss in U.S. Deindustrializing Regions, Its Consequences, and Implications for the Future: Examining the Conventional Wisdom,” under revision for resubmission to *Economic Development Quarterly*.

“Adapting Multi-employer Joint Apprenticeship for Advanced Manufacturing: The New App for Making It in America,” presented at annual meetings of Labor & Employment Research Association, Philadelphia, January 2014.

Discussant, session on “Still Shifting Risk: Healthcare and Retirement,” annual meetings of Labor & Employment Research Association, Philadelphia, January 2014.

“Illinois Workforce Needs for the Next Decade,” presented at Illinois Development Council annual conference, Champaign, IL, July 2013.

“Does Resilience Capacity Predict Resilience?” presented at Building Resilient Regions Network closing symposium, Washington, May 2013.

“Planning for Manufacturing Growth in Metropolitan Chicago: Strengths and Challenges,” presented at American Planning Association annual meeting, Chicago, April 2013.

“Metropolitan Economies in the Great Recession and After,” presented at annual meetings of Labor & Employment Research Association, San Diego, January 2013.

“Chronically Distressed Metropolitan Areas” (with Travis St. Clair and Harold Wolman), presented at Urban Affairs Association annual meeting, Pittsburgh, April 2012.

“Regional Responses to Manufacturing Job Loss,” presented at Industry Studies Association annual conference, Pittsburgh, June 2011.

“Jobs, Industries, and Metropolitan Areas: Recession, Recovery, and What Comes Next,” presented at Urban Land Institute Real Estate Summit, Boston, April 2010.

“The Great Recession and Its Aftermath in America’s 100 Largest Metropolitan Areas,” presented at conference on the United States and the Economic Crisis, Center for United States Studies, University of Quebec at Montreal, March 2010.

Session chair, session on “Learning from the New Deal,” annual meetings of Labor & Employment Research Association, Atlanta, January 2010.

“Auto Communities in Recession and Transition,” presented at Conference on Auto Communities and Workforce Adjustment, Federal Reserve Bank of Chicago, October 2009.

“A Theoretical and Institutional Assessment of U.S. Innovation Policy” (with Robert Atkinson), presented at Atlanta Conference on Science and Innovation Policy, Georgia Institute of Technology, October 2009.

“Regional Policies and Strategies for Replacing Lost Manufacturing Jobs” (with Harold Wolman), presented at Industry Studies Association annual conference, Chicago, May 2009.

“What the Pennsylvania Workforce Model Has to Offer,” presented at Conference on the Future of Low-Wage Work in Metropolitan America, City University of New York Graduate Center, October 2008.

“Building the Human Capital Infrastructure of a Productive and Equitable 21<sup>st</sup> Century Economy: Lessons from Pennsylvania” (with Stephen Herzenberg and Sandi Vito), presented at Society of the Advancement of Socio-Economics annual conference, San Jose, Costa Rica, July 2008.

“Boosting Productivity, Innovation, and Growth through a National Innovation Foundation,” presented at National Science Foundation University-Industry Demonstration Project annual meeting, Washington, June 2008.

“Promoting Innovation, Productivity, and Competitiveness” (with Karen Mills), presented at Council on Foreign Relations panel, New York, June 2008.

“Exploring Regional Economic Resilience” (with Edward W. Hill and Harold Wolman), presented at Urban Affairs Association annual meeting, Baltimore, April 2008.

“Higher Education, Regional Economic Development, and Federal Policy: Improving the Connections,” presented at University Continuing Education Association Workforce Development Forum, Tampa, January 2008.

Session chair/discussant, session on state and local labor policies, annual meetings of Labor & Employment Relations Association, Chicago, January 2007.

Discussant, session on “Data and Information Issues in Pension and Labor Law Reform,” annual meetings of Labor & Employment Relations Association, Boston, January 2006.

“‘Full-Utilization Learning Lean’ in Component Manufacturing: A New Industrial Model for Mature Regions, and Labor’s Stake in Its Success” (with Dan Luria and Matt Vidal), Sloan Industry Studies Working Paper WP-2006-03, presented at Alfred P. Sloan Foundation Industry Studies Conference, Cambridge, MA, December 2005.

Discussant, session on “Funding and Fulfilling the Pension Promise,” annual meetings of Labor & Employment Relations Association, Philadelphia, January 2005.

Session chair, session on legal regulation of nonstandard work, annual meetings of Industrial Relations Research Association, San Diego, January 2004.

*The Paper Industry and Its Workers: Seeing the Forest and the Trees* (with Jeff Rickert), unpublished manuscript, Working for America Institute, November 2003.

Discussant, session on “Pensions as Part of the Contract of Employment,” annual

meetings of Industrial Relations Research Association, January 2001.

Session chair, session on "Doing Interdisciplinary Work: Interactive Roundtable on Industrial Relations and Law," annual meetings of Industrial Relations Research Association, January 2001.

Session chair and discussant, session on "Wage Inequality and Labor Market Institutions," annual meetings of Industrial Relations Research Association, January 2000.

"Minimum Wage Enforcement and Low-Wage Workers," presented at annual meetings of Industrial Relations Research Association, Boston, January 2000.

"Minimum Wage Enforcement and the Low-Wage Labor Market," MIT Task Force on Reconstructing America's Labor Market Institutions Working Paper #WP11, presented at MIT Conference on "Raising the Floor: Strategies for Upgrading Low-Wage Labor Markets," April 1999.

"Immigration and the Distribution of Earnings," January 1996.

"Work Systems and Business Organization in the Service Economy: Implications for Unions and the Law" (with Stephen Herzenberg), presented at York University Conference on "Service Sector Revolutions: Dilemmas and Opportunities for Labor," November 1995.

Panelist, Roundtable on "The Crisis of Labor and the State," annual meetings of American Political Science Association, Chicago, September 1995.

"Production Systems, Social Networks, and the Roles of Immigrants in the U.S. Labor Market: A Review," Immigration Policy & Research Working Paper #19, Bureau of International Labor Affairs, U.S. Department of Labor, December 1993.

"Job Mobility Paths of Recent Immigrants to the United States," Immigration Policy & Research Working Paper #17, Bureau of International Labor Affairs, U.S. Department of Labor, September 1992.

"The Transition from Secondary to Primary Employment: Jobs and Workers in Ethnic Neighborhood Labor Markets," presented at annual meetings of Industrial Relations Research Association, December 1988.

"Job Mobility Paths of Recent Immigrants in the U.S. Labor Market," presented at Conference on Immigration, U.S. Department of Labor, September 1988.

"Indexing of Social Welfare Expenditures: The Impact on State Budget Allocations" (with George Peterson and Janet Leno). Urban Institute Research Paper #1389-17, September 1981.

**LEGISLATIVE TESTIMONY:**

Testimony on proposed revisions to the prevailing wage law, Maryland Senate & House Committees, March 2004.

Testimony on Part-time Faculty Employment in Pennsylvania Community Colleges, Pennsylvania House Education Committee, September 2004.

Testimony to Philadelphia City Council on Bill No. 970586 (the proposed living wage ordinance), May 1998.

“A Better Agenda for Pennsylvania: Legislative Priorities for 1998” (with Stephen Herzenberg), statement to Pennsylvania Senate Majority Policy Committee Forum, February 1998.

Statement to Reading (PA) City Council on the Proposed Living Wage Ordinance, October 1997.

### **OP-EDS & BLOG POSTS:**

“Chicago’s Promise as a Manufacturing Policy Leader,” *Up Front Blog*, Brookings Institution, February 26, 2013, [www.brookings.edu/blogs/up-front/posts/2013/02/26-chicago-manufacturing-jobs-wial](http://www.brookings.edu/blogs/up-front/posts/2013/02/26-chicago-manufacturing-jobs-wial).

“U.S. Manufacturing: Racing to the Top,” *The Financialist* online, November 15, 2012, [www.thefinancialist.com/the-renaissance-of-u-s-manufacturing-should-be-a-race-to-the-top/](http://www.thefinancialist.com/the-renaissance-of-u-s-manufacturing-should-be-a-race-to-the-top/).

“Did Manufacturing Job Losses Hold the Midwest Back?” *The Avenue*, Brookings Institution, May 14, 2012, [www.brookings.edu/blogs/the-avenue/posts/2012/05/14-manufacturing-wial](http://www.brookings.edu/blogs/the-avenue/posts/2012/05/14-manufacturing-wial).

“Putting Manufacturing In Its Place(s),” *The Avenue* at *The New Republic* online, May 10, 2012, [www.newrepublic.com/blog/the-avenue/103266/putting-manufacturing-in-its-places](http://www.newrepublic.com/blog/the-avenue/103266/putting-manufacturing-in-its-places).

“Despite Slowdown, Manufacturing Still Important,” *The Avenue*, Brookings Institution, March 30, 2012, [www.brookings.edu/blogs/the-avenue/posts/2012/03/30-metro-monitor-wial](http://www.brookings.edu/blogs/the-avenue/posts/2012/03/30-metro-monitor-wial).

“Manufacturing, the U.S. Economy, and the Presidential Election,” *Up Front Blog*, Brookings Institution, March 5, 2012, [www.brookings.edu/blogs/up-front/posts/2012/03/05-super-tuesday-halls#](http://www.brookings.edu/blogs/up-front/posts/2012/03/05-super-tuesday-halls#).

“Manufacturing Job Loss Is Not Inevitable,” *Up Front Blog*, Brookings Institution, February 22, 2012, [www.brookings.edu/opinions/2012/0222\\_manufacturing\\_wial.aspx](http://www.brookings.edu/opinions/2012/0222_manufacturing_wial.aspx).

“Manufacturing Is Special: Why America Needs Its Makers,” *The Atlantic* online,

February 9, 2012, available at [www.brookings.edu/research/articles/2012/02/09-manufacturing-wial](http://www.brookings.edu/research/articles/2012/02/09-manufacturing-wial).

“The Outsized Benefits of U.S. Manufacturing” (with Jonathan Rothwell), *The Avenue*, Brookings Institution, February 6, 2012, [www.brookings.edu/blogs/the-avenue/posts/2012/02/06-manufacturing-wial-rothwell](http://www.brookings.edu/blogs/the-avenue/posts/2012/02/06-manufacturing-wial-rothwell).

“Wall Street, Main Street, and Wages After the Bailouts,” *The Avenue*, Brookings Institution, December 15, 2011, [www.brookings.edu/blogs/the-avenue/posts/2011/12/15-metro-monitor-wial](http://www.brookings.edu/blogs/the-avenue/posts/2011/12/15-metro-monitor-wial).

“Where the 1% Live,” *The Atlantic Cities* online, October 31, 2011, <http://m.theatlanticcities.com/jobs-and-economy/2011/10/where-one-percent-live/393>.

“The Geography of Our Falling-Wage Recovery,” *The Avenue*, Brookings Institution, September 16, 2011, [www.brookings.edu/blogs/the-avenue/posts/2011/09/16-wage-geography-wial](http://www.brookings.edu/blogs/the-avenue/posts/2011/09/16-wage-geography-wial).

“The Advanced Manufacturing Partnership: A Step Toward a Federal Manufacturing Strategy?” Brookings Institution, June 29, 2011, [www.brookings.edu/research/opinions/2011/06/29-manufacturing-wial](http://www.brookings.edu/research/opinions/2011/06/29-manufacturing-wial).

“Government Jobs and the Economic Recovery in Metropolitan America,” *The Avenue*, Brookings Institution, June 22, 2011, [www.brookings.edu/blogs/the-avenue/posts/2011/06/22-metro-monitor-wial](http://www.brookings.edu/blogs/the-avenue/posts/2011/06/22-metro-monitor-wial).

“Government Employment and Economic Recovery,” Brookings Institution, June 22, 2011, [www.brookings.edu/blogs/the-avenue/posts/2011/06/22-metro-monitor-wial](http://www.brookings.edu/blogs/the-avenue/posts/2011/06/22-metro-monitor-wial).

“Is Pawlenty’s Growth Goal More Metro Than National?” *The Avenue* at *The New Republic* online, June 17, 2011, <http://www.newrepublic.com/blog/the-avenue/90180/pawlentys-growth-goal-more-metro-national>.

“Are State and Local Government Workers Sharing the Pain of Job Cuts?” *The Avenue*, Brookings Institution, March 14, 2011, [www.brookings.edu/blogs/the-avenue/posts/2011/03/14-government-workers-wial](http://www.brookings.edu/blogs/the-avenue/posts/2011/03/14-government-workers-wial).

“How to Grow Manufacturing in the U.S.,” *The Atlantic* online, February 17, 2011, [www.theatlantic.com/business/archive/2011/02/how-to-grow-manufacturing-in-the-us/71342](http://www.theatlantic.com/business/archive/2011/02/how-to-grow-manufacturing-in-the-us/71342).

“A Year of Job Growth Doesn’t Signal a Manufacturing Renaissance,” *The Avenue* at *The New Republic* online, February 16, 2011, <http://www.newrepublic.com/blog/the-avenue/83641/year-job-growth-doesn%E2%80%99t-signal-manufacturing-renaissance>.

“Will Full Employment Ever Return to Detroit?” *The Avenue*, Brookings Institution,

January 20, 2011, [www.brookings.edu/blogs/up-front/posts/2011/01/20-employment-detroit-wial](http://www.brookings.edu/blogs/up-front/posts/2011/01/20-employment-detroit-wial).

“Jobs Jump Off a Cliff in the Nation’s Major Metro Areas,” *The Avenue* at *The New Republic* online, December 21, 2010, <http://www.newrepublic.com/full-access?destination=node/80276>.

“For Car Country, Could the Mourning Become Electric?” *The Avenue*, Brookings Institution, November 24, 2010, <http://www.brookings.edu/blogs/the-avenue/posts/2010/11/24-electric-cars-wial>.

“Gaming Housing Prices: Boise Bulls vs. Boston Bears,” *The Avenue*, Brookings Institution, September 15, 2010, [www.brookings.edu/blogs/the-avenue/posts/2010/09/15-housing-wial](http://www.brookings.edu/blogs/the-avenue/posts/2010/09/15-housing-wial).

“Is the Economic Recovery Running Out of Steam?” *The Avenue*, Brookings Institution, June 15, 2010, [www.brookings.edu/blogs/the-avenue/posts/2010/06/15-recession-wial](http://www.brookings.edu/blogs/the-avenue/posts/2010/06/15-recession-wial).

“Fragile, Disparate Economic Recovery,” The Brookings Institution, June 14, 2010, [www.brookings.edu/research/expert-qa/2010/06/14-wial-economy](http://www.brookings.edu/research/expert-qa/2010/06/14-wial-economy).

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“Driving the Auto Industry to a New Place,” March 31, 2009, [www.brookings.edu/research/opinions/2009/03/31-general-motors-wial](http://www.brookings.edu/research/opinions/2009/03/31-general-motors-wial).

“Putting U.S. Cars on the High Road to Recovery” (with Susan Helper), March 4, 2009, [www.brookings.edu/research/opinions/2009/03/04-auto-industry-wial](http://www.brookings.edu/research/opinions/2009/03/04-auto-industry-wial).

“The State of Disappearing Jobs” (with Bruce Katz), *Detroit Free Press*, January 23, 2006.

### **SELECTED RESEARCH & CONSULTING GRANTS:**

The University of Illinois at Chicago, 2013-2014, internal \$40,000 grant to assess The University of Illinois at Chicago’s economic impact on the state of Illinois).

Manufacturing Renaissance, 2013, for research on manufacturing employment multipliers (\$4926 to University of Illinois at Chicago).

Keystone Research Center, 2012-2015, to evaluate U.S. Department of Labor-funded multi-employer manufacturing apprenticeship program in Pittsburgh (\$217,609 to University of Illinois at Chicago).

The Brookings Institution, 2012-2015, for consulting on manufacturing, technology, and economic development issues (\$50,000 to University of Illinois at Chicago in 2012, \$10,000 in 2013).

Illinois Science and Technology Coalition, 2012-2013, to assess Illinois Medical District’s economic impact on Chicago region (\$50,000 to University of Illinois at

Chicago).

John D. and Catherine T. MacArthur Foundation, 2008-2014, for research on regional economic resilience (principal author of proposal, joint with Ned Hill and Hal Wolman; \$62,240 to Brookings Institution as subcontractor to University of California, Berkeley).

Alfred P. Sloan Foundation, 2007-2011, for research on non-manufacturing job growth in manufacturing-dependent metropolitan areas (principal author of proposal, joint with Hal Wolman; \$190,000 to Brookings Institution as subcontractor to George Washington University).

Alfred P. Sloan Foundation, 2003-2005, for research on productivity, wages, and union strategies in component manufacturing (principal author of proposal; joint with Susan Helper, Gary Herrigel, Daniel Luria, Joel Rogers, and Jonathan Zeitlin; \$192,825 to Working for America Institute as subcontractor to Case Western Reserve University).

Appalachian Regional Commission, 1999, for estimation of labor market indicators in Appalachian counties (\$50,000 to Keystone Research Center).

MIT Task Force on Reconstructing America's Labor Market Institutions, 1999, for research on enforcement of minimum wage (\$2500).

District 1199C, National Union of Hospital and Health Care Employees (AFSCME), 1998, for evaluation of joint labor-management job security fund for hospital workers. Massachusetts Department of Public Health, 1990, for estimation of costs of AIDS treatment.

U.S. Department of Labor, 1988, for research on job mobility of immigrants.

### **OTHER PROFESSIONAL ACTIVITIES:**

Commissioner, University of Virginia Miller Center Commission on Creating New Manufacturing, 2013-2014.

Co-convener, Brookings-Institution-George Washington University-Urban Institute Conference on Urban and Regional Policy and Its Effects, May 2010, May 2009, June 2008, March 2007.

Invited participant, Surdna Foundation roundtable on manufacturing, January 2010.

Reviewer, National Science Foundation, 2009.

Chair, Labor and Employment Law Section, Industrial Relations Research Association/Labor and Employment Relations Association, 2003 and 2009.

Consultant to Pennsylvania 21<sup>st</sup> Century Tax Policy Advisory Committee, 2003.

**BAR ADMISSIONS:** Pennsylvania, New Jersey.