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EDUCATION:

Ph.D. (2002)	Public Policy	University of Chicago
M.A. (1999)	Public Policy	University of Chicago
B.A. (1995)	International Studies	University of Washington

ACADEMIC APPOINTMENTS:

2015 –	Professor	School of Public and Environmental Affairs (SPEA) Indiana University - Purdue University, Indianapolis (IUPUI)
2013 –	Director of Research	Indiana University Public Policy Institute
2013 - 2015	Associate Professor	School of Public and Environmental Affairs (SPEA) Indiana University - Purdue University, Indianapolis (IUPUI)
2008 - 2012	Associate Professor	School of Public Policy, Georgia Inst. of Technology
2002 - 2008	Assistant Professor	School of Public Policy, Georgia Inst. of Technology
1998 - 2002	Instructor	Harris School of Public Policy Studies University of Chicago

PUBLICATIONS:

Book:

John A. Baden and Douglas S. Noonan, eds. 1998. *Managing the Commons*. Bloomington: Indiana University Press.

Refereed Publications:

“Local Capacity and Resilience to Flooding: Community Responsiveness to the Community Ratings System Program Incentives,” with Abdul-Akeem Sadiq. *Natural Hazards* Forthcoming.

“Philanthropic Support of National Parks: Analysis Using Socio-Ecological Systems Framework,” with Tracy Yandle and Beth Gazley. *Nonprofit and Voluntary Sector Quarterly* Forthcoming.

“Park User Characteristics, Attitudes, and Quasi-Voluntary Behavior,” with Daniel Matisoff and Nathanael Hoelzel. *Nonprofit and Voluntary Sector Quarterly* Forthcoming.

“Arts of the States in Crisis: Revisiting Determinants of State-Level Appropriations to Arts Agencies.” *Poetics* 49: 30-42, 2015.

“Spatial Regulation of Air Toxics Hot Spots,” with Rama Mohana Turaga and Ann Bostrom. *Journal of Policy Analysis and Management* 34(2): 298-327, 2015.

“Flood Disaster Management Policy: An Analysis of the United States Community Ratings System,” with Abdul-Akeem Sadiq. *Journal of Natural Resources Policy Research* 7(1): 5-22, 2015.

* Reprinted in *Designing Water Disaster Management Policies: Theory and Empirics*, Chennat Gopalakrishnan, ed. Routledge, 2015.

“Criterion and Predictive Validity of Revealed and Stated Preference Data: The Case of ‘Mountain Home Music’ Concert Demand,” with John C. Whitehead and Elizabeth Marquardt. *Economics and Business Letters* 3(2): 87-95, 2014.

“Electric Utilities, Fuel Use, and Responsiveness to Fuel Prices,” with Daniel Matisoff and Jinshu Cui. *Energy Economics* 46: 445-452, 2014.

“Arts Districts, Universities, and the Rise of Digital Media,” with Shiri M. Breznitz. *Journal of Technology Transfer* 39(4): 594-615, 2014.

“Smoggy with a Chance of Altruism: The Effects of Ozone Alerts on Outdoor Recreation and Driving.” *Policy Studies Journal* 42(1): 122-145, 2014.

“Performance or Marketing Benefits? The Case of LEED Certification,” with Daniel Matisoff and Anna Mazzolini. *Environmental Science & Technology* 48(3): 2001-2007, 2014.

“Use of Impact Fees to Incentivize Low-Impact Development and Promote Compact Growth,” with Zhongming Lu, John Crittenden, Hyunju Jeong, and Dali Wang. *Environmental Science & Technology* 47(19): 10744-10752, 2013.

“How U.S. Cultural Districts Reshape Neighbourhoods.” *Cultural Trends*. 22(3-4): 203-212, 2013.

“Convergence in Environmental Reporting: Assessing the Carbon Disclosure Project,” with Daniel Matisoff and John J. O’Brien. *Business Strategy and the Environment* 22(5): 285-305, 2013.

“Arts Districts, Universities, and the Rise of Media Arts,” with Shiri M. Breznitz, in Michael Rushton, ed. *Creative Communities: Art Works in Economic Development*. Washington, DC: Brookings Institution Press, pp.118-143, 2013.

“Spatial Effects in Energy-Efficient Residential HVAC Technology Adoption,” with Lin-Han Chiang Hsieh and Daniel Matisoff. *Environment & Behavior*. 45(4): 476-503, 2013.

“City Air or City Markets: Worker Productivity Gains across City Sizes,” with Douglas J. Krupka. *International Regional Science Review*. 36(2): 183-206, 2013.

“Urban Transformation and Individual Responsibility: The Atlanta BeltLine,” with Robert Kirkman and Sean K. Dunn. *Planning Theory*. 11(4): 418-434, 2012.

“Managing Contested Greenspace: Neighborhood Commons and the Rise of Dog Parks,” with Daniel Matisoff. *International Journal of the Commons* 6(1): 28-51, 2012.

“Estimated Validity and Reliability of On-Board Diagnostics for Older Vehicles: Comparison with Remote Sensing Observations,” with Anupit Supnithadnaporn, Alexander Samoylov, and Michael Rodgers. *Journal of the Air & Waste Management Association* 61(10): 996-1004, 2011.

“Where the Cathedrals and Bazaars Are: An Index of Open Source Software Activity and Potential,” with Paul M. A. Baker, Art Seavey, and Nathan W. Moon. *Journal of Information Technology and Politics*. 8(3): 273-303, 2011.

“Making – or Picking – Winners: Evidence of Internal and External Price Effects in Historic Preservation Policies,” with Douglas J. Krupka. *Real Estate Economics* 39(2): 379-407, 2011.

- “Hot Spots Regulation and Environmental Justice,” with Rama Mohana Turaga and Ann Bostrom. *Ecological Economics* 70(7): 1395-1405, 2011.
- “Gigaton Problems Need Gigaton Solutions,” with Ming Xu, John Crittenden, Yongshen Chen, Valerie M. Thomas, Reginald DesRoches, Marilyn Brown, and Steven French. *Environmental Science & Technology* 44(11): 4037-4041, 2010.
- “Determinants of Historic and Cultural Landmark Designation: Why We Preserve What We Preserve,” with Douglas J. Krupka. *Journal of Cultural Economics* 34(1): 1-26, 2010.
- “Superfund, Hedonics, and the Scales of Environmental Justice,” with Rama Mohana Turaga and Brett M. Baden. *Environmental Management* 44(5): 909-920, 2009.
- “Empowerment Zones, Neighborhood Change and Owner-Occupied Housing,” with Douglas J. Krupka. *Regional Science and Urban Economics* 39(4): 386-396, 2009.
- “Evaluating Price Effects of Historic Preservation Policies: Landmark Preservation in Chicago, 1990-1999,” in Luigi Fusco Girard and Peter Nijkamp (eds), *Cultural Tourism and Sustainable Local Development*. Aldershot: Ashgate, pp.289-313, 2009.
- “Free Market Environmentalism.” in J. Baird Callicott and Robert Frodeman (eds.) *Encyclopedia of Environmental Ethics and Philosophy*. Detroit: Macmillan Reference, pp.442-444, 2008.
- “Evidence of Environmental Justice: A Critical Perspective on the Practice of EJ Research and Lessons for Policy Design,” *Social Science Quarterly* 89(5): 1154 – 1174, 2008.
- “Fiscal Pressures, Institutional Context, and Constituents: A Dynamic Model of States' Arts Agency Appropriations,” *Journal of Cultural Economics* 31(4): 293-310, 2007.
- “Neighborhood Dynamics and Price Effects of Superfund Site Clean-up,” with Douglas J. Krupka and Brett M. Baden. *Journal of Regional Science* 47(4): 665-692, 2007.
- “Ecology and Valuation: Big Changes Needed,” with Bryan Norton. *Ecological Economics* 63(4): 644-675, 2007.
- “Scales of Justice: Is There A Geographic Bias in Environmental Equity Analysis?” with Brett M. Baden and Rama Mohana Turaga. *Journal of Environmental Planning and Management* 50(2): 163-185, 2007.
- “Finding an Impact of Preservation Policies: Price Effects of Historic Landmarks on Attached Homes in Chicago 1990-1999,” *Economic Development Quarterly* 21(1): 17-33, 2007.
- “A Quasi-Experimental Evaluation of High Emitter Non-Compliance and its Impact on Vehicular Tailpipe Emissions in Atlanta, 1997-2001,” with Asim Zia, Bryan G. Norton, Michael O. Rodgers, and Leisha DeHart-Davis. *Transportation Research Part D: Transportation and Environment* 11(1): 77-96, 2006.
- “Decision Factors Concerning Installation of Higher Efficiency Energy Consuming Equipment in Buildings,” with Thomas M. Lawrence, Jeffrey D. Mullen, and Jay Enck. *ASHRAE Journal* 47(9): S40-S47, 2005.
- “Neighbors, Barriers, and Urban Environments: Are Things Different on the Other Side of the Tracks?” *Urban Studies* 42(10): 1817-1835, 2005.
- “Valuing Arts and Culture: A Research Agenda for Contingent Valuation,” *Journal of Arts Management, Law, and Society* 34(3): 205-221, 2004.

“Contingent Valuation and Cultural Resources: A Meta-Analytic Review of the Literature,” *Journal of Cultural Economics* 27(3-4): 159-176, 2003.

* Reprinted in *Recent Developments in Cultural Economics*, Ruth Towse, ed. Edward Elgar, 2007.

“An Economic Model of a Genetic Resistance Commons: Effects of Market Structure Applied to Biotechnology in Agriculture,” in Ramanan Laxminarayan, ed. *Battling Resistance to Antibiotics and Pesticides: An Economic Approach*. Washington, DC: Resources for the Future, pp.263-287, 2003.

“The Externalities of Neighbors and the Role of Barriers in Urban Geography,” *Chicago Policy Review* 3(2): 93-113, 2000.

Book Chapters:

“Assessing EPA's Experience with Equity in Standard-Setting,” in David M. Konisky, ed. *Failed Promises: Evaluating the Federal Government's Response to Environmental Justice*. MIT Press, pp.85-116, 2015.

“Air Pollution,” in Tim Haab and John Whitehead, eds. *Environmental and Natural Resource Economics: An Encyclopedia*. Greenwood, pp.6-8, 2014.

“The Reach of Open Source Software,” in Paul M. A. Baker, J. Hanson, and J. Hunsinger, eds. *The Unconnected: Social Justice, Participation and Engagement in the Information Society*. Peter Lang Publishers. pp.103-124, 2013.

“Markets Effects of Historic Preservation,” in Ilde Rizzo and Anna Mignosa, eds. *Handbook on the Economics of Cultural Heritage*. Edward Elgar Publishing, pp.344-363, 2013.

“Energy and Water Interdependence, and Their Implications for Urban Areas,” with Liz Minne et al., in Robert A. Meyers, ed. *Encyclopedia of Sustainability Science and Technology*. Springer Publishing, 2012.

* Reprinted in *Electrical Transmission Systems and Smart Grids: Selected Entries from the Encyclopedia of Sustainability Science and Technology*, Miroslav Begovic, ed. Springer Publishing, pp. 239-270, 2013.

“Amenities Tomorrow: A Greenbelt Project's Impacts over Space, Time,” in H. Spencer Banzhaf, ed. *The Political Economy of Environmental Justice*. Stanford University Press, pp. 170-196, 2012.

“Air Today, Gone Tomorrow: Atlanta's Air Quality Past and Future,” with Jennifer Chirico, in David Sjoquist, ed. *Past Trends and Future Prospects of the American City: The Dynamics of Atlanta*, Lanham, MD: Lexington Books, pp. 107-131, 2009.

“International Fisheries Management Institutions: Europe and the South Pacific,” in John A. Baden and Douglas S. Noonan, eds. *Managing the Commons*, Bloomington: Indiana University Press, pp.165-177, 1998.

“Internet Decentralization, Feedback, and Self-Organization,” in John A. Baden and Douglas S. Noonan, eds. *Managing the Commons*, Bloomington: Indiana University Press, pp.188-194, 1998.

“The Federal Treasury as a Common Pool Resource: The Predatory Bureaucracy as a Management Tool,” with John A. Baden, in John A. Baden and Douglas S. Noonan, eds. *Managing the Commons*, Bloomington: Indiana University Press, pp.204-209, 1998.

Papers Under Review:

“Competition in Green Signaling: The Case of LEED” with Daniel Matisoff and Mallory Flowers. Under review.

“Energy-Efficient Residential Heating and Air Conditioning System Installations: Beyond Simple Cost-Effectiveness Criteria,” with Lin-Han Chiang-Hsieh and Daniel Matisoff. Revised and resubmitted.

Working Papers (last 5 years):

“Poverty and Entrepreneurship in Indiana: Widening the Road out of Poverty.” Final Report. 1 December 2014.

“Criterion and Predictive Validity of Revealed and Stated Preference Data: The Case of Music Concert Demand,” with John C. Whitehead and Elizabeth Marquardt. Working Papers 12-05, Department of Economics, Appalachian State University, 2012.

“How Much Do We Care about the Air? Evidence on the Value of Air Quality Improvements.” AEI Outlook Series. American Enterprise Institute. AEI Working Paper # 2011-07.

“Smoggy with a Chance of Altruism: Using Air Quality Forecasts to Drive Behavioral Change.” AEI Outlook Series. American Enterprise Institute. AEI Working Paper # 2011-08.

“How the Clean Air Act ‘Hits Home’ through the I&M Program,” with Anupit Supnithadnaporn. AEI Outlook Series. American Enterprise Institute. Working Paper # 2011-09.

“Prices and Energy Conservation: Residential HVAC Systems,” with Brett Baden. Chaddick Institute for Metropolitan Development paper. 2010.

“Neighborhood Dynamics and the Housing Price Effects of Spatially Targeted Economic Development Policy,” with Douglas J. Krupka. IZA Discussion Paper No. 4308. July 2009.

“Making – or Picking – Winners: Evidence of Internal and External Price Effects in Historic Preservation Policies,” with Douglas J. Krupka. IZA Discussion Paper No. 4110. April 2009.

“State-Level Variations in Open Source Policies,” with Paul M.A. Baker, Art Seavey, and Nathan C. Moon. Georgia Institute of Technology, School of Public Policy working paper 49, 2009.

“Determinants of Historic and Cultural Landmark Designation: Why We Preserve What We Preserve,” with Douglas J. Krupka. IZA Discussion Paper No. 3777. October 2008.

“On Being Stuck: Looking for the Limits of Ethics in the Built Environment,” with Robert Kirkman. Georgia Institute of Technology, School of Public Policy working paper 33, 2008.

“Empowerment Zones, Neighborhood Change and Owner-Occupied Housing,” with Douglas J. Krupka. IZA Discussion Paper No. 3320. January 2008.

EXTERNALLY FUNDED RESEARCH PROJECTS:

Charles G. Koch Charitable Foundation: “A Revealed Surplus Approach to Measuring Well-Being.” 2015, \$5,000. Principal Investigator

National Endowment for the Arts: “Employment Behavior of U.S. Artists,” 2015-2017, \$15,000. Principal Investigator

Charles G. Koch Charitable Foundation: “Political Economy and Environmental Research Initiative.” 2014-2017, \$705,000. Principal Investigator

Charles G. Koch Charitable Foundation: “Poverty and Entrepreneurship in Indiana.” 2013-2014, \$92,500. Principal Investigator

National Endowment for the Arts: “Measuring the Value of Arts in America over Time: Travel Cost, Time Use, and Neighborhood Dynamics,” 2012-2013, \$15,000. Principal Investigator

National Science Foundation: “Novel Materials for Energy Storage and Conversion,” 2011 –2015, \$3,155,553. Co-Principal Investigator

Charles G. Koch Charitable Foundation: “Political Economy and Environmental Research Fellowships.” 2011-2012, \$15,000, Principal Investigator

Atlanta BeltLine, Inc.: “BeltLine Decision Support Tool Services.” 2011 – 2012, \$159,257. Co-Principal Investigator.

Charles G. Koch Charitable Foundation: “Political Economy and Environmental Research Fellowships.” Fall 2010, \$15,000, Principal Investigator

American Enterprise Institute: “The Direct Impacts of Air Quality Policies on Households.” Summer 2009, \$18,536, Principal Investigator

Red Hat, Inc.: “Red Hat Open Source Software Study/Barrier and Opportunity Analysis.” 2007-2008, \$44,553, Co-Principal Investigator

National Science Foundation: “Stuck with the Dominant Urban Form? Technology and the Limits of Ethics in the Built Environment,” 2007-2009, \$105,000, Co-Principal Investigator

Lincoln Institute of Land Policy grant: “Empowerment Zones, Neighborhood change and Owner-Occupied Housing,” 2006-2007, \$10,000, Co-Principal Investigator

National Science Foundation, Human and Social Dynamics grant: “Ecological Boundary-Setting in Mental and Geophysical Models,” 2005-2007, \$625,000, Co-Principal Investigator

Environmental Protection Agency, STAR grant: “Air Quality, Emissions, Growth, and Change: A Method to Prescribe a Desirable Future,” 2005-2007, \$650,000, Co-Major Investigator

SELECTED PRESENTATIONS:

Workshop on Cultural Heritage and Urban Revival, Amsterdam, Netherlands, 24 January 2014.

Southern Economic Association (SEA) annual meetings, Tampa, FL. 23 – 25 November 2013.

Association of Public Policy Analysis and Management (APPAM) annual meetings, Washington, DC. 7 – 9 November 2013.

Western Economic Association International (WEAI) annual meetings, Seattle, WA 28 June – 2 July 2013.

‘Cultural Policy in International Perspective: Mapping Public Expenditure on Arts and Culture’ conference, Haifa, Israel, 12 – 15 March 2013.

Brookings Institution and National Endowment for the Arts symposium on ‘The Arts, New Growth Theory and Economic Development,’ Washington, DC, 10 May 2012.

- Association of Environmental and Resource Economists (AERE) session at the American Economic Association (AEA) annual meetings, Chicago, IL. 6 – 8 January 2012.
- Association of Environmental and Resource Economists (AERE) summer conference, Seattle, WA. 9 – 10 June 2011.
- University of Chicago, Cultural Policy Workshop. 19 April 2011.
- Association of Environmental and Resource Economists (AERE) session at the American Economic Association (AEA) annual meetings, Denver, CO. 7 – 9 January 2011.
- American Real Estate and Urban Economics Association (AREUEA) sessions at the American Economic Association (AEA) annual meetings, Denver, CO. 7 – 9 January 2011.
- Fourth World Congress of Environmental and Resource Economists (WCERE), Montreal. 28 June – 2 July 2010.
- Workshop on Analytical Methods for Assessing the Environmental Justice Implications of Environmental Regulations, National Center for Environmental Economics. 9 – 10 June 2010.
- Politics of Open Source (plenary address), University of Massachusetts. 6 – 7 May 2010.
- Society for Environmental Law and Economics, Emory University. 27 – 28 March 2010.
- University of Southern California, Lusk Seminar. 23 April 2009.
- University of Chicago, Workshop in Economic Policy and Public Finance. 15 April 2009.
- PERC Lone Mountain Forum on Markets for Land and Pollution, Big Sky, MT. 2 – 5 October 2008.
- EPA's National Center for Environmental Economics (NCEE), Washington, DC. 8 November 2007.
- Third World Congress of Environmental and Resource Economists (WCERE), Kyoto. 3 – 7 July 2006.
- General Meeting of the Mont Pèlerin Society. Salt Lake City, UT. 14-19 August 2004.

SELECTED OTHER PUBLICATIONS:

- Review of *Cultural Commons*, by Enrico Bertacchini et al., *Journal of Cultural Economics* 38(3): 287-290, 2014.
- “Voluntary and Information-Based Air Quality Policies.” Conservation Leadership Council policy paper, 2012.
- “Community and Supportive Services Valuation,” in Brett M. Baden and Dana R. LeWinter (eds.) *Program Evaluation of the Elizabethport Hope VI Revitalization Program*. Tufts University Research Report, 2006.
- “Moving Beyond the First Cost Mentality,” with Thomas M. Lawrence, Jeffrey D. Mullen, and H. Jay Enck. *Solar Today*. 19(6): 34 – 37, 2005.

Review of *Valuing Cultural Heritage: Applying Environmental Valuation Techniques to Historic Buildings, Monuments and Artifacts*, by Stale Navrud and Richard Ready, *Journal of Cultural Economics* 27 (3-4): 287-290, 2003.

“Proposal: The Predatory Bureau,” with John A. Baden. *Liberty*, 11 (4). 1 March 1998.

“Big Sky Diaries: Is the Next West Big Enough for Double Wides and Double ‘Talls?’” *Seattle Times*, 27 July 1997.

“Migrating Species,” with John A. Baden. *National Review*, 16 June 1997.

“This Predator Eats Pork, Saves Dough,” with John A. Baden. *USA Today*, 5 June 1997.

“Take Politics Out of Our National Parks,” with John A. Baden. *Investor’s Business Daily*, 24 April 1997.

“Flying Blind or Running Scared?” with John A. Baden. *Liberty*, 9 (6): 55-57, July 1996.

SERVICE AND PROFESSIONAL EXPERIENCE:

Board member, Association of Cultural Economics International (2014 –)

Science Advisory Board, Environmental Justice Technical Panel – Environmental Protection Agency (2012 –)

Adjunct Associate Professor of Economics – Department of Economics, Georgia State University

Affiliated Faculty – Center for 21st Century Universities, Georgia Tech

Editorial Board, *Journal of Cultural Economics* (2007 –)

Member of Air Quality Health Advisory Task Force (org. by Mothers & Others for Clean Air)

Affiliated Faculty – Environmental Policy Program, Georgia State University

Affiliated Faculty – Brook Byers Institute for Sustainable Systems, Georgia Tech

REFeree SERVICE:

Agricultural and Resource Economic Review, American Journal of Agricultural Economics, Annals of Regional Science, B.E. Journals in Economic Analysis & Policy, Cityscape, Contemporary Economic Policy, Ecological Economics, Economic Development Quarterly, Environment and Development Economics, Environmental and Resource Economics, Environmental Management, Environmental Science & Technology, Evidence & Policy, Fiscal Studies, Housing Policy Debate, International Journal of Cultural Policy, Journal of Cultural Economics, Journal of Cultural Heritage, Journal of Economic Dynamics and Control, Journal of Environmental Economics and Management, Journal of Industrial Ecology, Journal of Policy Analysis and Management, Journal of Regional Science, Journal of Urban Economics, Journal of Urbanism, Poetics, Policy Studies Journal, Real Estate Economics, Regional Science and Urban Economics, Review of Regional Studies, Risk Analysis, Social Science Quarterly, Southern Economic Journal

MEMBERSHIPS:

American Economic Association (AEA)

Association for Public Policy Analysis and Management (APPAM)

Association of Environmental and Resource Economists (AERE)

Western Economic Association International (WEAI)

Southern Economic Association (SEA)

Association of Cultural Economics International (ACEI)

American Real Estate and Urban Economics Association (AREUEA)

TEACHING EXPERIENCE:

Environmental Economics and Policy (PhD)
Microeconomic Theory (MS, PhD)
Environmental Policy Issues (MS/PhD)
Open Source Software and Policy (BS/MS)
Formal Models for Policy Analysis (BS, PhD)
Environmental Conflict Resolution (MS)
Policy Analysis (BS)
Sustainability and Policy (BS)
Environmental Regulation (BS)

FELLOWSHIPS AND AWARDS:

Faculty Member of the Year (School of Public Policy, Georgia Tech), 2004-2005, 2011-2012
Dean's Small Grant for Scholarship (Georgia Tech), 2011
Ivan Allen Faculty Legacy Award (Georgia Tech), 2007
Class of 1969 Teaching Fellow (Georgia Tech), 2003-2004
Joseph L. Fisher Dissertation Fellow (Resources for the Future), 2001-2002
Program on the Arts Fellow (Social Science Research Council), 2001-2002
Humane Studies Fellow (Institute for Humane Studies), 1997-1998, 2001-2002
Irving B. Harris Fellow (University of Chicago), 1997-2001