

David Henning Good

School of Public and Environmental Affairs
Indiana University
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Education

University of Delaware

B.A. Economics, 1976

B.S. Mechanical and Aerospace Engineering, 1976

Fields: Materials, Structural Mechanics, Thermodynamics

Senior Thesis: "A Generalized Theory of Buckling in Anisotropic Laminated Plates Including Transverse Shear Deformation"

Boston College

M.A. Economics, 1977

Fields: Econometrics and Mathematical Economics

University of Pennsylvania,

Ph.D. Public Policy Analysis (Wharton School), 1985

Honors: Samuel Fels Fellow and Samuel Fels Research Fellow (4 years)

Fields: Econometrics, Industrial Organization

Dissertation: "The Impact of Deregulation on the Productive Efficiency and Cost Structure of the Airline Industry"

Academic Appointments

Indiana University - Bloomington, School of Public and Environmental Affairs,

Associate Professor, 1992 to present

Assistant Professor, 1985 to 1992

Lecturer, 1984 to 1985

Robert LaFollette Institute of Public Affairs, University of Wisconsin

Visiting Scholar, February 1993 - June 1993.

European Institute of Business Administration (INSEAD) - Fontainebleau, France

Visiting Professor, August 1992 - January 1993.

Indiana Univ. Purdue Univ. Indianapolis (IUPUI), School of Public Environmental Affairs

Lecturer, 1983 -1984

West Chester State University, Department of Economics,

Assistant Professor, 1982 - 1983.

Immaculata College

Lecturer, 1981

Pennsylvania, School of Public and Urban Policy

Lecturer, 1978 - 1981

Other Professional Appointments

Indiana University Transportation Research Center
Research Associate, 1989 to 1993
Director, 2003 to present

Transportation Active Safety Systems Institute (IUPUI)
Faculty Associate, 2007 to present
Executive Board, 2014 to present

Crash Imminent Safety University Transportation Center (Ohio State University)
Faculty Research Associate, 2013 to present

C. V. Starr Center, Focal Program on Productivity and Research and Development (New York University)
Research Associate, 1989 to 1999.

Hay Associates
Statistical Analyst, 1978 to 1981.

Wharton Management and Behavioral Science Center
Statistical Analyst, 1978-1981

U.S. Department of Transportation, Office of the Secretary,
Economist, 1978.

U.S. Department of Energy, Competition Task Force
Economist, 1977.

Teaching

Teaching Awards

School of Public and Environmental Affairs Graduate Teaching Award 2001, 2003, 2010
Indiana University Trustees Teaching Excellence Recognition Award (TERA) 1999, 2000, 2017

Graduate courses taught (at IU-SPEA unless otherwise noted)

Environmental Risk Analysis
Statistics and Econometrics for Public Affairs (two course doctoral sequence)
Environmental Statistics
Management Science and Operations Research
Mathematical Policy Modeling (doctoral)
Applied Environmental Mathematics
Regulation
Dynamic Models (doctoral)
Models for Panel Data (doctoral for University Graduate School)
Managerial Economics
Limited Dependent Variable Models (doctoral for University Graduate School)
Sustainable Computing
Quantitative Methods for Public Affairs (two course sequence at IU and IUPUI)
Public Management Economics (IU and IUPUI)
Mathematics for Economists (two course sequence at University of Pennsylvania).

Undergraduate courses taught (at IU-SPEA unless otherwise noted)

Senior Seminar in Policy Analysis
Management Science
Research Methods
Energy Policy
Microeconomics (Immaculata and West Chester)
Macroeconomics (West Chester)

Research Grants and Awards (my role in parentheses)

“Characterizing Roadway Departures for Autonomous Vehicle” \$400,000. sponsored by Toyota Motor Corporation (Japan) (CoPI) with Yaobin Chen, Lingxi Li, Lauren Christopher, Jaing Zheng and Stanley Chien 2016-2017.

“Understanding Natural Bicyclist Behavior for Safety and Sustainability,” \$72,000. sponsored by Indiana University Collaborative Research Grant program (IUCRG) (PI) with Lauren Christopher, Jiang Zheng and Stanley Chien 2015-2016.

“Development of Standard Pealcyclist Crash Scenarios,” \$1,600,000. sponsored by Toyota Collaborative Safety Research Center. (CoPI) with Yaobin Chen, Lingxi Li, Lauren Christopher and Stanley Chien 2014-2016.

“Development of Standard Pedestrian Crash Scenarios,” \$2,557,000. sponsored by Toyota Collaborative Safety Research Center. (CoPI) with Yaobin Chen, Eliza Du and Stanley Chien 2011-2015.

“Bloomington Naturalistic Driving Study,” \$1,442,000 sponsored National Academies/Transportation Research Board. (PI) with Yaobin Chen, Sarah Koskie and Michael Justiss, 2010-2014.

“Perceptions of Bike Safety and Infrastructure Needs” \$10,000. sponsored by SPEA/Office of Sustainability Development Grant, (PI role shared with Diane Henshel), 2009-2010.

“Evaluating Capital Depreciation with Alternative Methodologies for Commerical Aircraft” \$25,000. sponsored by US Department of Labor, Bureau of Labor Statistics, 2004-2006 (PI) with Robin Sickles

“Looking Inside the Black Box: Microlevel Empirical Analyses of the Impact of State and Federal Policy Instruments on Hazardous Waste Generation and Management,” \$180,000. sponsored by US EPA Star Program (PI) with Kenneth Richards 2002-2005.

“Assessing the Impacts of Market Value Assessment on Property Taxes in Indiana” \$340,000. sponsored by Indiana State Board of Tax Commissioners. (PI) with Craig Johnson and Joyce Man. 1994-1997.

“Determining the Benefits of NASA Sponsored Improvements in Commercial Aircraft Design” \$173,000. sponsored by National Aeronautics and Space Administration. (Co-PI) with Robin Sickles. 1994-1997.

“The Impacts of Economic Transition in the Former Soviet Union on CO2 Emissions,” \$42,000. sponsored by U.S. Department of Energy National Institute for Global Environmental Change (PI role shared with Kerry Krutilla). 1994-1995.

“The Background, Eductaion and Employment of Teen Fathers” \$421,000 sponsored by US. Department of Health and Human Services, Public Health Service. (Co-PI) with Maureen Pirog 1991-1995.

Peer Reviewed Publications

- Qiang Yi , Stanley Chien, Lingxi Li, Wensen Niu, Yaobin Chen, David Good, Chi-Chih Chen, and Rini Sherony. "Development of test scenarios and bicyclist surrogate for the evaluation of bicyclist automatic emergency braking systems," *Journal of Intelligent and Connected Vehicles* (2017) (forthcoming)
- Alexander Alexeev, David H. Good, and Kerry Krutilla. "Environmental taxation and the double dividend in decentralized jurisdictions." *Ecological Economics*, (2016) v122: 90–100.
- Kerry Krutilla, David H. Good, and John D. Graham. "Uncertainty in the cost-effectiveness of federal air quality regulations." *Journal of Benefit-Cost Analysis*, (2015) 6(1): 66-111.
- David H. Good and Rafael Reuveny, "On the collapse of historical civilizations" *American Journal of Agricultural Economics* (2009) v91(4) 863-879.
- Vicky Meretsky, V. Brack, Jr., T.C. Carter, R. Clawson, R.R. Currie, T.A. Hemberger, C.J. Herzog, A.C. Hicks, J.A. Kath, J.R. Macgregor, R.A.King, D.H. Good, "Digital photography improves consistency and accuracy of bat counts in hibernacula" *Journal of Wildlife Management* 74(1):166-173
- David H. Good, Robin Sickles, and Jesse Weiher. "A hedonic price index for air travel." *Review of Income and Wealth*, (2008) 54(3): 438-465.
- Rene Aubourg, David H. Good and Kerry Krutilla " Debt, democratization and development in Latin America: How can policy affect global warming?" *Journal of Policy Analysis and Management* (2008) v27 n1 p7-19.
- Purvez Captain, David H. Good, Robin C. Sickles and A. Ayyar "On the dynamics of competition and efficiency in the European airline industry" *Advances in Airline Economics* (2007) v2 pp.
- Tina Nabatchi, Lisa Blomgren Bingham, and David H. Good (2007). "Organizational justice and workplace mediation: A six factor model." *International Journal of Conflict Management*, (2007) 18(2): 148-176.
- David H. Good and Rafael Reuveny, " Easter Island: The limits of environmental resource management institutions" *Ecological Economics* (2006) 58(4) 473-490.
- J.A. Foran, D. Carpenter, D. Good, M. Hamilton, R. Hites, B. Knuth, S. Schwager. " Risks and benefits of seafood consumption" *Journal of Preventive Medicine* (2007) 30(5):438-439.
- J.A. Foran, D.H. Good, D Carpenter, BA Knuth, MC Hamilton, SJ Schwager, "Benefit-risk analysis for farmed and wild salmon." *Journal of Nutrition* (2005) 135:2639-2643.
- Robin Sickles, David Good and Lullit Getachew, "Specification of distance functions using semi- and nonparametric methods with an application to the dynamic performance of Eastern and Western European air carriers" *Journal of Productivity Analysis* (2002) v17n1 pg 133-155
- Seung Ahn, David Good and Robin Sickles, "Estimation of Long Run Inefficiency Levels: A Dynamic Frontier Approach" *Econometric Reviews* (2001) v 19 n 4 pg 461-492.
- David H. Good, M. Ishaq Nadiri and Robin C. Sickles, "Index number and factor demand approaches to the estimation of productivity," *Handbook of Applied Econometrics: Volume 2 Micro-econometrics* (Blackwell, 1999).
- Maureen A. Pirog-Good, and David H. Good. "Child support enforcement for teenage fathers: Problems and prospects," *Journal of Policy Analysis and Management*, vol 14 no 1 (Winter 1995)

Peer Reviewed Publications (continued)

- David H. Good, Lars-Hendrik Röller and Robin C. Sickles, "Airline efficiency differences between Europe and the U.S.: Implications for the pace of E.C. integration and domestic regulation," *European Journal of Operational Research*, vol 80 no (Feb 1995) 508:518.
- David H. Good, Lars-Hendrik Röller and Robin Sickles, "U.S. airline deregulation and its implications for European air transport," *Economic Journal* (1993) 103(2) pp1028-1041.
- David H. Good, M. Ishaq Nadiri, Lars-Hendrik Röller and Robin Sickles, "Efficiency and productivity growth comparisons of American and European air carriers: A first look at the data" *Journal of Productivity Analysis*, (1993) 4(1) pp 111-121.
- David H. Good. "Productive efficiency and contract management: Some evidence from public transit agencies." *Public Finance Quarterly*, (1002) 20(4) pp195-215.
- David H. Good and Edwardo L. Rhodes. "Productive efficiency, technological change and the competitiveness of U.S. airlines in the Pacific rim." *Journal of the Transportation Research Forum*, (1991) 31(2) pp 347-358.
- John R. Ottensmann, David H. Good, and Michael E. Gleeson. "The impact of net migration on neighborhood racial composition." *Urban Studies*, (1990) 25(5) pp705-717.
- David H. Good and Maureen A. Pirog-Good. "The efficiency of state child support enforcement programs." *Public Budgeting and Finance*, (1990) 10(3) pp 24-38.
- David H. Good and Maureen A. Pirog-Good. "Models for bivariate count data with an application to teenage delinquency and paternity." *Sociological Methods and Research*, (1989) 17(4) pp 402-425.
- Kingsley Haynes, David H. Good, and Tony Dignan. "Discrete spatial choice and the axiom of independence from irrelevant alternatives." *Socio-Economic and Planning Science*, (1988) 22(6) pp 241-251.
- David H. Good and Maureen A. Pirog Good. "Employment, crime and race." *Contemporary Policy Issues*, (1987) 5(2) pp 91 104.
- David H. Good and Maureen A. Pirog Good. "A simultaneous probit analysis of employment and crime for black and white teenage males." *Review of Black Political Economy*, (1987) 16(1/2) pp 109-127. Reprinted in *The Economics of Crime and Race: Landmark Articles and Frontier Research*, M. Simms and S. Myers, eds. (Transaction Press, 1988.)
- Robin C. Sickles, David H. Good and Richard Johnson. "Allocative distortions and the regulatory transition of the U.S. airline industry." *Journal of Econometrics*, (1986) 33(1/2) pp 143 163.
- David H. Good, Maureen A. Pirog Good and Robin C. Sickles. "An analysis of youth crime and employment patterns." *Journal of Quantitative Criminology*, 2(3) pp 219 236 (September 1986).

Other Publications

- David H. Good, Kerry Krutilla, Stanley Chien, Lingxi Li and Yaobin Chen. "Analysis of potential co-benefits for bicyclist crash imminent braking systems." 20th International Conference on Intelligent Transportation Systems (2017) pp1-6.
- Yaobin Chien, Stanley Chien, Lingxi Li, David Good, Lauren Christopher, Hiroki Yokota, Jaing Zheng Chi-Chi Chen. *Development of Standard Bicyclist Crash Scenarios*. Final Report to Toyota Manufacturing and Engineering NA. March 2016.
- David H Good, Stanley Chien, Lingxi Li, Kerry Krutilla, and Yaobin Chen. "Preliminary benefit analysis for pedestrian crash imminent braking systems." 18th International Conference on Intelligent Transportation Systems. (2015) pp1123-28.
- Yaobin Chien, Stanley Chien, Lingxi Li, David Good, Hiroki Yokota, Chi-Chi Chen. *Development of Standard Pedestrian Crash Scenarios*. Final Report to Toyota Manufacturing and Engineering NA. December 2015.
- David H. Good and Rachel L. Abrahams. "Vehicle speeds for pedestrian pre-crash system test scenarios based on US data." 17th International IEEE Conference on Intelligent Transportation Systems (2014) pp1632-37
- Qiang Yi, Stanley Chien, Jason Brink, Yaobin Chen, Linxi Li, David Good, Chi-Chih Chen, Rini Sherony. "Mannequin development for pedestrian pre-Collision System evaluation." *17th International IEEE Conference on Intelligent Transportation Systems* (2014) pp1626-31
- Alan Blatt, John Pierowicz, Marie Flanigan, Pei-Sung Lin, Achilleas Kourtellis, Paul Jovanis, James Jenness, Martha Wilaby, John Campbell, Christian Richard, David Good, Nora Czar. "Naturalistic Driving Study: Field Data Collection" Transportation Research Board (2014).
- Bingham, Lisa Blomgren and David H. Good. (2009). "A better solution to moral hazard in employment arbitration: It is time to ban pre-dispute arbitration clauses." *Minnesota Law Review Headnotes*, 1(1): 1-14
- David H. Good and Kenneth Richards, "Looking inside the black box: the relationship between state hazardous waste policies and facility decisionmaking." Final report to the U.S. Environmental Protection Agency", August 2005.
- Alexander Alexeev, David H. Good "The environmental race to the bottom: A mixed agent based model." Proceedings of the 2005 Conference on Agent Based Models.
- David H. Good, M. Ishaq Nadiri and Robin C. Sickles. "Index number and factor demand approaches to the estimation of productivity." National Bureau of Economic Research Working Paper 5790, October 1996.
- Larry DeBoer, David H. Good, Craig Johnson and Joyce Man, The Impact of Market Value Assessment on the People and State of Indiana, final report to the Indiana State Board of Tax Commissioners, March 1999.
- Seung Ahn, David Good and Robin Sickles, "A Dynamic Frontier Approach to Assessing the Relative Efficiency of Asian and North American Airline Firms," in *Economic Efficiency and Productivity Growth in the Asia-Pacific Region*, T. Fu, C. Huang and C. A. K. Lovell, editors (Edward Elgar, 1998).
- David Good, Anthony Postert, Robin Sickles and Lienta Gertwshew, "A Model of World Aircraft Demand" Proceedings of the 25th Annual Conference on International Aviation, 1998

Other Publications (continued)

Larry DeBoer, David Good, Craig Johnson and Joyce Man. "The impacts of market value assessment on property taxes in Indiana." Preliminary report to the Indiana Senate Committee on Real Property Assessment Practices, December 1996.

Purvez Captain, David Good and Robin Sickles. "A dynamic model of the european airline industry." Proceedings of the Transportation Research Forum, Fall 1995

Wingrove, Earl, Peter Kostiuck, Jesse Johnson, David Good and Robin Sickles, An Integrated Model of Aircraft Demand by American Air Carriers with a Detailed Description of Flying Capital, its Characteristics and Networking, Report to the Office of Subsonic Aviation, National Aeronautics and Space Administration, July, 1996.

Maureen Pirog-Good, David Good, and Chris Magee. "The background, eductaion and employment of teen fathers." Final Report to the Office of Adolescent Pregnancy Program, U.S. Department of Health and Human Services, 1995

Tony Gorman, David Good and Kerry Krutilla, "Modeling the Impact of Economic Transition in Eastern-Bloc Countries on CO2 Emissions." Proceedings of the Fifth Global Warming International Conference on Energy Resources and Environmental Impacts, April 1994

Pirog-Good, Maureen A., and David H. Good. "Child support enforcement for teenage fathers: Problems and prospects," Institute for Research on Poverty Working Paper, University of Wisconsin (November 1993).

David H. Good, Lars-Hendrik Röller and Robin C. Sickles, "EC Integration and the Structure of the Franco-American Airline Industries: Implications for Efficiency and Welfare." in W. Eichorn, ed., International Symposium on Models and Measurement of Welfare and Inequality, (Heidelberg: Physica-Verlag, 1991).

David H. Good, M. Ishaq Nadiri and Robin C. Sickles. "The structure of production, efficiency and technical change: An application to U. S. airlines." National Bureau of Economic Research working paper 3939 (December 1991).

David H. Good, John Kissel, Daniel Mullins and Rosemary O'Leary, "The Solid Waste Crisis." The Municipal Year Book, 1991 58 pp 53-60 (Washington, DC: International City Management Association, 1991).

David H. Good and Edwardo L. Rhodes, "Productive Efficiency, Technological Change and the Competitiveness of U.S. Airlines in the Pacific Rim." Proceedings of the Transportation Research Forum 5(1) p 55, (October, 1990).

John R. Ottensmann, Michael E. Gleeson, and David H. Good. "Simulating the Racial Composition of Urban Neighborhoods Over Time." Modeling and Simulation, 19(1) pp 13-17 (May 1988).

David H. Good and Maureen A. Pirog-Good. "Estimating a Socio-Economic Model of Delinquency with Individual Time Series Data." Center for Policy and Public Management Working Paper 83-3, School of Public and Environmental Affairs, Indiana University, December 1983.

David H. Good. "The Use of Cost Allocation as an Instrument of Transportation Policy." University of Pennsylvania, School of Public and Urban Policy working paper, March 1982.

Other Publications (continued)

Maureen A. Pirog-Good and David H. Good. "Research and Data Documentation." Philadelphia, PA: Wharton Management and Behavioral Science Center, University of Pennsylvania, Wharton School of Business. Materials prepared for the Law Enforcement Assistance Administration, Nov 1979.

David H. Good. "A Mathematical Programming Approach to Optimal Highway Maintenance." Report to the New Jersey Commission on Efficiency in Government, January 1978.

David H. Good and Julian Greene. "Firm Inter-Fuel Diversification: Trends and Index Measurement." Discussion Paper FEA 77 CTF 03, September 1977

Conference Presentations and Invited Talks

"Understanding perceptions and acceptable risk reductions for autonomous vehicles: Implications for regulation," (with Yingying Miao) Society for Risk Analysis Asia Conference. Osaka, Japan. March 2018.

"Uncertainty analysis in RIAs for transportation safety and air pollution regulations." (With Deborah Aiken and Kerry Krutilla) The Annual Meeting of the Society of Risk Analysis, Arlington, Virginia, December 2017.

"Panel discussion on potential benefits of autonomous vehicles and implications for the planning process," Invited talk. organized by Indianapolis Metropolitan Planning Organization, November 2017

"Analysis of potential co-benefits for bicyclist crash imminent braking systems." (with Kerry Krutilla, Stanley Chien, Lingxi Li, and Yaobin Chen). The IEEE 20th International Conference on Intelligent Transportation Systems. Yokohama, Japan. October 2017.

"The implications of addressing particle toxicity in air regulation: What can we learn from the European experience." (with Kerry Krutilla). Society of Risk Analysis Europe, Lisbon, Portugal. June 2017.

"Uncertainty evaluation in DOT and EPA RIAs of lifesaving regulations." (with Kerry Krutilla). Ninth Annual Conference and Meeting of the Society for Benefit-Cost Analysis. Washington, DC. March 2017.

"US air quality regulation, uncertainties and missed opportunities", invited talk Workshop, Universidad Andre Bello, Las Condas, Chile. January 5, 2017.

"Benefit cost analysis of alternative waste management strategies in the Republic of Georgia." (with Kerry Krutilla). Western Economics Association International, 13th International Conference. Santiago, Chile. January 2017.

"Economic evaluation of air pollution regulations when particle toxicity matters." (with Katie Fledderman, Kerry Krutilla, John Graham, and Kan Shao). Western Economics Association International, 13th International Conference. Santiago, Chile. January 2017.

"Evaluation of bicyclist morbidity and mortality mitigation with crash imminent braking technologies." (with Kerry Krutilla). Society for Risk Analysis Annual Meeting. San Diego, California. December 2016.

"Geospatial Modeling of Particulate Matter Pollution from Post-Panamax Ships in Charleston Harbor." (with Mariana Cains and Diane Henshel) Society of Environmental Toxicology and Chemistry, SEATAC, Orlando, FL, November 2016.

Conference Presentations (continued)

- "The effect of differential fine particle toxicity on the economic evaluation of air pollution regulations." (with Katie Fledderman, Kerry Krutilla, and John D. Graham). Annual Conference of the European Association of Environmental and Resource Economists. Zurich, Switzerland. June 2016.
- "Benefit cost analysis of lifesaving regulations from the department of transportation." (with Kerry Krutilla, Gabriel Piña, and John D. Graham). Eighth Annual Conference and Meeting of the Society for Benefit-Cost Analysis. March 2016.
- "An uncertainty analysis of recent air regulations." (with Kerry Krutilla, Gabriel Piña, and John D. Graham). Society for Risk Analysis Annual Meeting. Crystal City, Virginia. December 2015.
- "Benefit cost analysis of federal transportation safety regulations." (with Kerry Krutilla, Gabriel Piña, and John D. Graham). APPAM 37th Annual Fall Research Conference. Miami, Florida. November 2015.
- "Preliminary benefit analysis for pedestrian crash imminent braking systems." (with Kerry Krutilla, Stanley Chien, Lingxi Li, and Yaobin Chen). Intelligent Transportation Systems, 18th International Conference. Canary Islands, Spain. September 2015.
- "Uncertainty, Differential Toxicity, PM2.5 and the Life Saving Benefits of 8 EPA Rules" (with Brandon Taylor and Kerry Krutilla) Fourth World Congress of the Society for Risk Analysis. Singapore. July 2015.
- "Uncertainty in the cost-effectiveness of federal air quality regulations." (with Kerry Krutilla and John D. Graham). Annual Conference of the European Association of Environmental and Resource Economists. Helsinki, Finland. June, 2015.
- "The comparative cost of regulatory risk reduction." (with Kerry Krutilla, John D. Graham, Y. Zhang, and Gabriel Piña.) Society of Risk Analysis annual meeting. Denver, Colorado. December 2014.
- "Estimating the benefits of pedestrian pre-crash detection and automatic crash avoidance." (with Stanley Chien, Lingxi Li, and Kerry Krutilla) Society of Risk Analysis (Special session on Assessing the impact of risk management strategies). Denver, Colorado. December 2014
- "The cost-effectiveness of lifesaving regulations." (with Kerry Krutilla, John D. Graham, Gabriel Piña, and Y. Zhang). Southern Economics Association 84th Annual Meeting. Atlanta, Georgia. November 2014.
- "Mannequin development for pedestrian pre-collision system evaluation" (with Qiang Yi, Stanley Chien, Jason Brink, Lingxi Li, Yaobin Chen, Chi-Chih Chen and Rini Sherony), 17th International Conference on Intelligent Transportation Systems. Qingdao, China November 2014
- "Vehicle speeds for pedestrian pre-crash system test scenarios based on US data" (with Rachael Abrahams). 17th International Conference on Intelligent Transportation Systems. Qingdao, China November 2014
- "Optimal environmental rent allocation in decentralized jurisdictions." (with Alexander Alexeev and Kerry Krutilla) 5th World Congress of Environmental and Resource Economists. Istanbul, Turkey. July 2014.
- "Scenarios and mannequin sizing for NCAP testing of autonomous vehicles" (with Stanley Chen) invited talk National Highway Traffic Safety Administration Vehicle Test Facility, Marysville, Ohio. November 2013.

Conference Presentations (continued)

- "Site Characterization of the Bloomington Naturalistic Driving Study." Annual Meeting Second Strategic Highway Research Program, National Academies. Washington DC. July 2010.
- "Interjurisdictional competition in fiscal and environmental policy: Empirical evidence for strategic policy setting." (with Aleander Alexeev and Kerry Krutilla). Fourth World Congress of Environmental and Resource Economics. Montreal, Canada. June 2010.
- "Interjurisdictional competition in fiscal and environmental policy: a quantal response equilibrium analysis" (with Aleander Alexeev and Kerry Krutilla) Association of Public Policy Analysis and Management Fall Research Conference, Washington, DC November 2009
- "Technological progress, foresight, and the dynamics of human population - renewable resource systems" (with Rafael Reuveny) presented at the Australia and New Zealand Society for Ecological Economics meetings, Darwin, Australia, October 2009. This is a revised version of a paper presented at the European Association for Environmental and Resource Economics, Amsterdam, Netherlands, June 2009.
- "Can voluntary environmental programs reduce greenhouse gas emissions? An analysis of the United States climate challenge program" (with Kyoungsun Heo and Kerry Krutilla) Association of Public Policy Analysis and Management / Korean Development Institute Conference on Environmental Policy Analysis and Teaching Methods, Seoul, South Korea, June 2009.
- "An empirical evaluation of inter-jurisdictional competition in fiscal and environmental policy" (with Alexander Alexeev and Kerry Krutilla) Association of Public Policy Analysis and Management Fall Research Conference, Los Angeles, California. November 2008
- "On the collapse of historical societies" (with Rafael Reuveny) European Association of Environmental and Resource Economists Gothenberg, Sweden, June 2008
- "An evaluation of the environmental performance track: Some evidence from the pulp and paper industry" (with Kerry Krutilla and Kyoungsun Heo) Association of Public Policy Analysis and Management Fall Research Conference, Washington, DC November 2007
- "Inter-Jurisdictional competition in industrial and environmental policy: Double dividend, or race to the bottom?" (with Alexander Alexeev and Kerry Krutilla) Association of Public Policy Analysis and Management Fall Research Conference, Washington, DC November 2007; revised version presented at European Association of Environmental and Resource Economists, Gothenberg, Sweden, June 2008.
- "On the collapse of historical societies and the repugnant conclusion" (with Rafael Reuveny) European Association of Environmental and Resource Economists, Thessaloniki, Greece July 2007
- "Evaluating performance mechanisms for voluntary carbon emissions control: an assessment of the climate challenge program" (with Kyoungsun Heo and Kerry Krutilla) European Association of Environmental and Resource Economists, Thessaloniki, Greece July 2007
- "On the collapse of historical societies" (with Rafael Reuveny) EcoSummit, Beijing, China May 2007
- "Evaluating the performance of voluntary CO2 agreements: An analysis of the Climate Challenge Program." (with Kerry Krutilla and Kyoungsun Heo) Association of Public Policy Analysis and Management Fall Research Conference Madison, Wisconsin November 2006

Conference Presentations (continued)

- "Counting bats in hibernacula: inter-observer and inter-technique variability in accuracy and implications for trend detection." (with Vicky Meretsky and others) Ecological Society of America, Memphis August 2006
- "The optimal collapse of historical societies." (with Rafael Reuveny) Third World Congress of the Associations of Environmental and Resource Economists, Kyoto, July 2006
- "Evaluating the performance of voluntary CO₂ agreements: An Analysis of the Climate Challenge Program." (with Kerry Krutilla and Kyoungsun Heo) Third World Congress of the Associations of Environmental and Resource Economists, Kyoto, July 2006
- "The determinants of outcomes in transformative mediation" (with Tina Nabatchi and Lisa Bingham) International Association for Conflict Management, Montreal, June 2006
- "Can you tunnel through the environmental Kuznets curve: Some evidence from Latin America." (with Rene Aubourg and Kerry Krutilla) Association of Public Policy Analysis and Management Fall Research Conference, Washington, DC November 2005
- "Does environmental policy decentralization cause a race to the bottom: An agent based modeling approach." (with Alexander Alexeev) Argonne Conference on Agent Based Modeling, Chicago, IL November 2005
- "A comparison of alternative methodologies for measuring depreciation in commercial aircraft." Brookings/Bureau of Labor Statistics Workshop on Measuring Depreciation, Washington, DC September 2005.
- "An environmental Kuznets curve for CO₂ emissions: A multivariate contingency approach." (with Rene Aubourg and Kerry Krutilla) European Association of Environmental and Resource Economists, Bremen, Germany July 2005
- "Organizational Justice and Workplace Mediation: A Six Factor Model." (with Tina Nabatchi and Lisa Bingham) International Association for Conflict Management, Seville, June 2005
- "State hazardous waste fees and the impacts on firm location and generation" (with Ken Richards), EPA Workshop on Environmental Economics, February 2005.
- "The effect of pollution prevention programs on hazardous waste source reduction" (with Ken Richards), Association of Public Policy Analysis and Management, Atlanta, GA October 2004
- "Easter Island: The limits of environmental resource management institutions " David H. Good and Rafael Reuveny Association of Environmental and Resource Economists Saratoga, NY June 2003.
- "A hedonic model of the price for air travel," (with Robin C. Sickles and Jesse Weher), Transportation Research Forum, Washington, D.C. March 2003.
- "Lead Risks for the Gray Bat at Indiana Army Ammunition Plant: A Pharmacokinetic Approach," (with Sean Crittenden, Laurie Pruitt, Dan Sparks, and Diane Henshel). Midwest States Risk Assessment Symposium, Indianapolis, IN. July 2002
- "Adjusting the Consumer price index for changes in the quality of airline service" (with Robin Sickles and Jesse Weher), Brookings Workshop on the Consumer Price Index, Washington, D.C. May 2001.
- "Adjusting the consumer price index for changes in the quality of airline service" (with Robin Sickles and Jesse Weher), U.S. Department of Labor, Bureau of Labor Statistics Conference on the Consumer and Producer Price Indices, Washington, D.C. June 2000.

Conference Presentations (continued)

- "A model of world aircraft demand" (with Anthony Postert, Robin Sickles and Lilluta Getchew). Presented at the 25th Annual Conference on International Aviation, June 1998, Austin Texas.
- "Translating Improvements in Aircraft Technology into Economic Benefits" (with Earl Wingrove, Peter Kostiuk, and Robin Sickles). INFORMS conference San Diego, California. January 1997
- "The impacts of deregulation on aircraft demand and use," International Symposium on the Effects of Airline Deregulation, Montreal, Canada. Sponsored by the International Civil Aviation Organization, Transport Canada and the University of Montreal. April 1997.
- "A dynamic frontier approach to assessing the relative efficiency of Asian and North American airline firms," (with Seung C. Ahn, and Robin C. Sickles). Taipei International Conference on Efficiency and Productivity Growth, Taipei, Taiwan. June 1997.
- "An assessment of competitiveness and productivity of Eastern and Western European air carriers." (with Robin C. Sickles). Presented at the CORE Conference on Productive Efficiency Measurement, Louvain-la-Neuve, Belgium, July 1995.
- "A comparison of productive efficiencies among European air carriers," (with Robin Sickles), European Economic Association annual meetings, Prague, Czech Republic, August 1995
- "A dynamic model of the European airline industry," (with Purvez Captain and Robin Sickles). Presented at The Transportation Research Forum, Chicago, October 1995.
- "An assessment of competitiveness and productivity of Eastern and Western European air carriers." (with Robin Sickles). Fifth Biannual Research Conference on Panel Data Paris, France (July 1994).
- "Modeling the impact of economic transition in eastern-bloc countries on co2 emissions." (with Kerry Krutilla and Tony Gorman) European Association of Environmental and Resource Economists, Dublin, Ireland (June 1994)
- "East meets West: A comparison of the productive efficiencies of Eastern and Western European air carriers," (with Robin Sickles). Presented at the Regional Science Association International meetings, Houston, Texas, November 1993.
- "The role of firm effects in the estimation of cost models for the service sector," (with Robin Sickles). Presented at the Fourth International Conference on Panel Data, Budapest, Hungary, June 1992.
- "Airline efficiency differences between Europe and the U.S.: implications for the pace of E.C. integration and domestic regulation," (with Lars-Hendrik Röller and Robin Sickles). Presented at the 11th Annual European Operational Research Society meetings, Aachen, Germany, July 1991.
- "Alternative nonparametric measurements of technological change: an application to public transit agencies," (with Eduardo Rhodes). Presented at the 11th Annual European Operational Research Society meetings, Aachen, Germany, July 1991.
- "Financial influences on the aircraft age and maintenance decisions of airlines following deregulation." Presented at the Association for Public Policy Analysis and Management, San Francisco, November 1990.
- "The efficiency of state child support enforcement programs." (with Maureen A. Pirog-Good). Presented at the Association for Public Policy Analysis and Management, San Francisco, November 1990.

Conference Presentations (continued)

- "Productive efficiency, technological change and the competitiveness of u.s. airlines in the pacific rim." (with Edwardo L. Rhodes). Presented at the Transportation Research Forum, Long Beach, October 1990.
- "The european economic community: prospects of increased productivity and efficiency through the 1992 integration." (with M. Ishaq Nadiri, Lars-Hendrik Röller and Julien van den Broeck). Presented at the Sixth World Congress of the Econometric Society, Barcelona, August 1990.
- "International efficiency comparisons in the airline industry 1976-86: Some preliminary results" (with M. Ishaq Nadiri, Lars-Hendrik Röller and Robin C. Sickles). Presented at the National Bureau of Economic Research Franco-American Economic Seminar on Productivity Issues in Services at the Micro Level, Cambridge, July 1990.
- "Measuring technical change with DEA." (with Edwardo L. Rhodes). Presented at The Institute of Managements Sciences/Operations Research Society of America spring national conference, Las Vegas, May 1990.
- "Market effects on housing loss." (with Michael E. Gleeson). Presented at The Institute of Management Sciences spring meetings, Las Vegas, May 1990.
- "The role of firm effects in the estimation of cost models for the service sector." Paper presented at the National Bureau of Economic Research Summer Workshop on Productivity and Research and Development, Cambridge, July 1989.
- "An assessment of resource mobility under airline deregulation." (with Robin C. Sickles). Presented at the North American meeting of the Econometric Society, New York, December 1988.
- "The structure of production, efficiency and technical change: An application to U. S. airlines," (with M. Ishaq Nadiri and Robin C. Sickles). Presented at National Bureau of Economic Research Workshop on Productivity, July 1988. Also presented at ENSAE/ERUDITE conference on panel data, Paris, June 1990.
- "A simulation model of migration and neighborhood change." (with John R. Ottensmann and Michael E. Gleeson). Presented at the National Modeling and Simulation Conference, Pittsburgh, May 1988.
- "Modeling allocative inefficiency with distorted random coefficient cost functions." Presented at The Institute of Management Sciences Spring meetings, Washington, May 1988.
- "Efficiency gains from contracting in local public transportation." Presented at Eastern Economic Association meetings, Boston, April 1988.
- "The structure of production and technical change in a multiproduct firm." (with M. Ishaq Nadiri and Robin C. Sickles, Presented at American Economic Association meetings, Chicago, December 1987.
- "Measuring the social benefits of homeownership," (with Michael E. Gleeson). Presented at The Institute of Management Sciences spring meetings, New Orleans, May 1987.
- "Allocative distortions and the regulatory transition of the U.S. airline industry." (with Robin C. Sickles and Richard Johnson). Presented at The Institute of Management Sciences meetings, New Orleans, May 1987.
- "The existence of expense preference behavior in noncompetitive production." Presented at the Association for Public Policy Analysis and Management annual research conference, Austin, October 1986.

Conference Presentations (continued)

- "Relationships between teenage paternity and delinquency," (with Maureen A. Pirog Good). Presented at the Association for Public Policy Analysis and Management annual research conference, Austin, October, 1986.
- "A simultaneous probit model of employment and crime decisions of black and white teenage males," (with Maureen A. Pirog Good). Presented at the Western Economic Association Meetings, San Francisco, July 1986.
- "Characterization of output in the transition to deregulation of the airline industry," (with Robin C. Sickles and Richard Johnson). Presented at the 5th World Congress of the Econometric Society, Cambridge, August 1985.
- "A limited dependent variable model of youth crime and unemployment," (with Maureen A. Pirog-Good and Robin C. Sickles). Presented at the American Society of Criminology meetings, Cincinnati, November 1984.
- "Race and sex differences in the relation between delinquency and youth employment," (with Maureen A. Pirog-Good). Presented at the American Society of Criminology meetings, Cincinnati, November 1984.
- "The effects of deregulation on productive efficiency in the airline industry." Presented at the Association for Public Policy Analysis and Management annual research conference, New Orleans, October 1984.
- "The effects of intra organizational relationships on program outcomes." Presented at the Association for Public Policy Analysis and Management annual research conference, Philadelphia, October 1983.
- "A simultaneous probit analysis of youth crime and employability," (with Maureen A. Pirog-Good and Robin C. Sickles). Presented at the Econometrics Society meetings, New York, NY December 1982.

Other Professional Activities and Service

Manuscript Reviewer

Risk Analysis	Environmental Science and Technology
Journal of Risk Research	Journal of Policy Studies
Intelligent Transportation Society	Public Finance Quarterly
European Association of Environmental and Resource Economists	Journal of Productivity Analysis
Contemporary Economic Policy	Journal of Quantitative Criminology
Land Economics	Urban Affairs Quarterly
Management Science	Journal of the Transportation Research Forum
Ecological Economics	Logistics and Transportation Review
European Journal of Operational Research	International Journal of Industrial Organization
Journal of Public Policy Analysis and Management	International Journal of Production Economics
Journal of Applied Econometrics	National Science Foundation
Public Budgeting and Finance	U.S. Environmental Protection Agency
Transportation	Cambridge University Press
	McGraw-Hill Publishers.

Other Professional Service

Society of Automotive Engineers (SAE International) member of standards committees for autonomous vehicles testing and surrogate targets 2014-present.

Organizer, Midwestern States Risk Assessment Symposium, 2002 and 2004.

The Institute of Management Sciences, Secretary/Treasurer, College on Public Programs and Processes, 1990-1993.

Indiana University Office of Sustainability

Transportation Working Group member 2007 to present

Transportation Working Group faculty co-chair 2009 to 2012

Executive Committee 2008 to 2010

Indiana University Transportation Policy and Safety Committee

Member 2016 to present