

CURRICULUM VITAE

Scott E. Atkinson

1. Current Position

Professor of Economics	Office: (706) 542-3691
Department of Economics	Home: (706) 549-0977
University of Georgia	e-mail: atknsn@uga.edu
Athens, Georgia 30602	fax: (706) 542-3376

2. Fields of Specialization

Econometrics
Energy Economics and Industrial Organization
Environmental Economics

3. Educational Background

Ph.D., Economics, 1972, University of Colorado, Boulder, Colorado.

Dissertation: "The Effects of Multicollinearity on the Small-Sample Properties of Simultaneous Equation Estimators."

M.A., Economics, 1969 and Secondary School Teaching Certificate, Northern Colorado University, Greeley, Colorado,

B.A., American History and Literature, 1966, Williams College, Williamstown, Massachusetts.

4. Professional Experience

1986-Present Professor, Department of Economics, University of Georgia, Athens, Georgia.

1985-1986 Professor, Department of Economics, University of Wyoming; Adjunct Professor, Department of Statistics, University of Wyoming.

1984-1986 Director, Institute for Policy Research, University of Wyoming.

1981-1985 Associate Professor, Department of Economics, University of Wyoming.

1979-1981 Adjunct Professor of Economics, Virginia Polytechnic Institute and State University at Reston.

1979-1981 Senior Economist, American Petroleum Institute (API), Washington, D.C.

1973-1979 Senior Economist, Department of Energy (DOE), Washington, D.C.

1972-1973 Environmental Economist, Environmental Protection Agency (EPA), Office of Research and Development, Washington, D.C.

1969-1972 Teaching Assistant for two semesters at the University of Colorado, Department of Economics.

1969-1972 Teaching Associate for five semesters at the University of Colorado Department of Economics and the Summer Institute for Foreign Graduate Students for one summer.

1968-1969 Instructor of Economics and History at Colorado Academy, Englewood, Colorado.

5. Awards and Honors

Listed in Marquis' *Who's Who in America, 2012*.

Listed in *Who's Who in Economics, Kluwer Academic Press*.

Listed in Marquis' *Who's Who in the South and Southwest*.

Listed in Marquis' *Who's Who in Social Sciences Higher Education*.

To be listed in *The Dictionary of International Biography*.

Recipient of Terry-Selig Research Fellowship, University of Georgia, 1990-92, 2005-2010.

Recipient of University of Georgia, Terry College of Business Distinguished Research Award, 1992.

Recipient of Kamerschen/Hampton Award for Outstanding Research in Economics, University of Georgia, 1990, 2005.

Member of Beta Gamma Sigma Honorary Society, University of Georgia, 1989.

Recipient of Outstanding Honors Teaching Award, University of Georgia, 1989.

Awarded Federal Energy Administration's Special Achievement Award for Outstanding Research, 1975.

6. Courses Taught

Statistics for Econometrics (Ecn 8070)- Intro. Graduate Econometrics.

Econometrics (Ecn 8080, 8110, 8120)-Graduate core and field level.

Micro Theory (Ecn 4010) - Undergraduate.

Industrial Organization (Ecn 4350) - Undergraduate.

Economics of the Environment (Ecn 2100) - Undergraduate, Oxford, Summer, 2002.

International Business (Ecn 5100) - Undergraduate, UGA in España, Spring, 2005-7.

7. Economic Consulting Performed for

Natural Gas Pipeline Company of America and MIDCON Corporation.

American Smelting and Refining Company.

American Petroleum Institute.

Mountain Bell.

Environmental Protection Agency.

deltaVectors–Cingular-AT&T Wireless Merger Case.

8. Thesis and dissertation committees

University of Georgia:

M.A., Economics, David Pérez, 2011 - Committee Member

Ph.D., Economics, Bram Gallagher, 2011 - Committee Member

Ph.D., Economics, Tom McGahee, 2011 - Committee Member

Ph.D., Economics, Cindy Fu, 2011 - Major Professor

Ph.D., Economics, Chon Van Le, 2011 - Major Professor

Ph.D., Economics, Shery Byron, 2009 - Committee Member

Ph.D., Economics, Rana Bose, 2007 - Committee Member

Ph.D., Economics, Scott Cunningham, 2006 - Committee Member.

Ph.D., Accounting, Sara Clinton, 2006 - Committee Member.

Ph.D., Economics, Marilyn Ibarra, 2006 - Major Professor.

Ph.D., Accounting, George Wilson, 2006 - Committee Member.

Ph.D., Economics, Matt Gregg, 2002 - Committee Member.

Ph.D., Economics, Alexy Smurov, 2002 - Committee Member.

Ph.D., Finance, Beatrice Boehmer, 2002 - Committee Member.

Ph.D., Economics, Claudia Halabí, 2000 - Major Professor.

Ph.D., Economics, Olaf Honeramp, 1999 - Major Professor.

Ph.D., Economics, Jorge Reis, 1995 - Committee Member.

Ph.D., Finance, Stephen Henry, 1995 - Committee Member.

Ph.D., Finance, David Carter, Committee Member, 1995.

Ph.D., Accounting, Ed Douthett, 1995 - Committee Member.

Ph.D., Economics, Elke Kespohl, 1994 - Major Professor.

Ph.D., Accounting, Jeff Patterson, 1994 - Committee Member.

Ph.D., Economics, David Li, 1994 - Committee Member.

Ph.D., Accounting, Jeff Austin, 1993 - Committee Member.

Ph.D., Finance, John Henzel, 1990 - Committee Member.

Ph.D., Economics, Herb Thompson, 1990 - Committee Member.

Ph.D., Ag. Economics, Jay Variyam, 1990 - Committee Member.

Ph.D., Economics, Ulrich Welland, 1989 - Committee Member.

Ph.D., Real Estate, Ron Rutherford, 1989 - Committee Member.

M.A., Economics, Frederick Wemhoemer, 1989 - Committe Member.

Ph.D., Real Estate, Harold Kelly, 1989 - Committee Member.

Ph.D., Economics, Andreas Wunsch, 1988 - Committee Member.

Ph.D., Economics, Seung-Wook Kim, 1988 - Committee Member.
M.A., Economics, Wolfgang Ryll, 1987 - Committee Member.
Ph.D., Economics, Shafuiddin Ahmad, 1987 - Major Professor.

University of Wyoming:

Ph.D., Economics, Cliff Nowell, 1987 - Committee Member.
Ph.D., Economics, Joe Kerkvliet, 1986 - Major Professor.
Ph.D., Economics, Linda Stanley, 1985 - Committee Member.
Ph.D., Department of Petroleum Engineering, Janak K. Varma,
1985 - Committee Member.

9. Committees

Search Committee for College of Business Dean - University of Wyoming, 1983-84.

University Finance Committee - University of Wyoming, 1985-86.

Economics Department Recruitment Committee - University of Georgia, 1986- present.

Economics Department Speaker Series Committee - University of Georgia, 1987-2000.

Social and Behavioral Sciences sub-committee of the Faculty Research Grant Program -
University of Georgia, 1987, 1988, 1994, 1996.

Economics Department, Head of Graduate Programs Committee - University of Georgia,
1998-2003.

Computer User's Advisory Committee (Terry College) - University of Georgia, 1987, 2003-
present.

Terry College Promotion and Tenure Committee, 2008.

University Promotion and Tenure Review Committee, Professional and Applied Studies C
- Fall 2010-11.

Economics Department, Member of Graduate Programs Committee - University of Georgia,
2011.

Head of Economics Micro Search Committee 2004 and 2006.

Head of Economics Micro Search Committee, 2008-11.

10. Service

Director of the Institute for Policy Research, University of Wyoming, 1984-1986.

Director of Graduate Studies, University of Wyoming, 1982-1984.

Director of State Economic Forecasting Model, University of Georgia, 1987.

11. Professional Activities

Reviewed numerous proposals for NSF and manuscripts for *Journal of Econometrics*, *Journal of Econometric Theory*, *Journal of Applied Econometrics*, *Journal of Business and Economic Statistics*, *Journal of the American Statistical Association*, *Review of Economics and Statistics*, *American Economic Review*, *International Economic Review*, *Journal of Public Economics*, *Canadian Journal of Economics*, *Journal of Environmental Economics and Management*, *Land Economics*, *Southern Economic Journal*, *Energy Journal*, *Journal of Productivity Analysis*, *Journal of Resources and Energy*, *Journal of Regional Science*, *Journal of Economics and Finance*, *Quarterly Review of Economics and Finance*, *John Wiley Publishers*, *Mc-Graw Hill*, and *Oxford University Press*

Member of Editorial Council, *Journal of Environmental Economics and Management*, 1990-92.

Associate Editor, *Journal of Environmental Economics and Management*, 1993-1995.

Member of Board of Editors, *Atlantic Economic Journal*, 2006-8.

12. Research grants received

“Estimation and Valuation of the Qualities of Household-Specific Interacting Child Health Production Processes,” USEPA, with Tom Crocker and Mark Agee, 2004.

“Benefit Transfer Using Values from Adult-Oriented Studies to Evaluate Children’s Health Effects,” Awarded through the University of Wyoming, EPA Grant # R82871601, 2002-3.

“A Chesapeake Bay Emissions Trading Program”, USEPA Grant, # 1021RR200-017, \$25,000, Department of Economics, University of Georgia, 6/96-8/97.

“Measuring the Cost Structure and the Exercise of Monopoly Power: A Case Study of the Railroad and Natural Gas Pipeline Industries”, (with John Tschirhart) NSF–EPSCOR Grant #RII-8610680, \$40,000, Department of Economics, University of Wyoming and University of Georgia, 7/87-7/88.

“An Economic Evaluation of Methods to Achieve Competitive Coal Rail Rates,” (with Joe Kerkvliet), Wyoming Industrial Fund #60-6614, \$23,805, 6/84-11/85.

- “A Bayesian Treatment of Specification Error in Macroeconomics,” (with Tom Crocker) USEPA Grant #R808893010, \$109,116, Department of Economics, University of Wyoming, 6/83-6/84.
- “The Impact of Declining Oil Prices and Railroad Monopoly Position on the Market for Wyoming Coal,” Wyoming Industrial Fund #60-6614, \$22,605, 6/83-6/84.
- “On Scientific Inquiry into Human Health Effects of Air Pollution,” (with Tom Crocker), USEPA Grant #808893010, \$20,000, Department of Economics, University of Wyoming, 6/82-6/83.
- “Transportation Charges, Production Taxes, and Scrubber Legislation: Consequences for the Wyoming Coal Market,” (with Joe Kerkvliet), Wyoming Industrial Fund #60-6614, \$19,770, 7/82-6/83.
- “A Comparative Analysis of Macro Epidemiological Studies,” USEPA Grant #808893010, \$6,030, Department of Economics, University of Wyoming, 6/81-6/82.

13. Research Publications

a. *Journal Articles*

(1.) *Econometric Theory and Methods*

- Agee, M., S. E. Atkinson, and T. Crocker, “Child Maturation, Time- Invariant, and Time-Varying Inputs: their Interaction in Production of Child Human Capital,” forthcoming, *Journal of Productivity Analysis*.
- “Estimation of Allocative Efficiency and Productivity Growth with Dynamic Adjustment Costs” (with Chris Cornwell) *Econometric Reviews* 30, 337-57, 2011.
- “The Economics of a Centralized Judiciary: Uniformity, Forum Shopping, and the Federal Circuit” (with John Turner and Alan Marco) *Journal of Law and Economics* 52, 411-443, 2009.
- “Multi-Input and Multi-Output Estimation of the Efficiency of Child Health Production: A Two-Step Panel Data Approach” (with Mark Agee and Tom Crocker) *Southern Economic Journal* 75, 909-927, 2009.
- “Feasible Estimation of Firm-Specific Allocative Inefficiency Through Bayesian Numerical Methods”, (with Jeffrey Dorfman) *Journal of Applied Econometrics*, 24, 675-697, 2009.
- “Migration of Mexican Labor: the Impact on the Mexican *Maquiladora* Industry” (with Marilyn Ibarra), *Economía* 8, 179-204, 2007.
- “Multiple Comparisons with the Best: Bayesian Precision Measures of Efficiency Rankings” (with Jeff Dorfman), *Journal of Productivity Analysis* 23, 359-382, 2005.

- “Crediting Electric Utilities for Reducing Air Pollution: Bayesian Measurement of Productivity and Efficiency ” (with Jeff Dorfman), *Journal of Econometrics*, 126, 445-468, 2005.
- “Measuring Productivity Growth and Efficiency of the Chilean Electric Utility Industry” (with Claudia Halabí), *Journal of Productivity Analysis* 23, 245-273, 2005.
- “Stochastic Measurement of Firm Inefficiency Using Distance Functions” (with Rolf Färe and Dan Primont) *Southern Economic Journal* 69: 596-611, 2003.
- “Measuring and Decomposing Productivity Change: Stochastic Distance Function Estimation vs. DEA” (with Olaf Honerkamp and Chris Cornwell) *Journal of Business and Economic Statistics* 21: 284-294, 2003.
- “Measuring Productivity Growth, Technical Efficiency, Allocative Efficiency, and Returns to Scale Using Distance Functions” (with Dan Primont) *Journal of Econometrics* 108: 203-225, 2002.
- “Parametric Tests for Static and Dynamic Equilibrium” (with Robert Halvorsen), *Journal of Econometrics* 85: 33-50, 1998.
- “Profit Versus Cost Frontier Estimation of Price and Technical Inefficiency: A Parametric Approach with Panel data ” (with Chris Cornwell), *Southern Economic Journal* 64:753-764, 1998.
- “Estimating Radial Measures of Productivity Growth: Frontier vs Non-frontier Approaches”, (with Chris Cornwell) *Journal of Productivity Analysis*, 10: 35-46, 1998.
- “Comparing Mean Efficiency and Productivity Scores from Small Samples: A Bootstrap Methodology,” (with Paul Wilson) *Journal of Productivity Analysis*, 6: 137-52, 1995.
- “Parametric Measurement of Technical and Allocative Inefficiency with Panel Data” (with Chris Cornwell) *International Economic Review*, 35: 231-244, 1994.
- “Estimation of Output and Input Technical Efficiency Using a Flexible Functional Form and Panel Data” (with Chris Cornwell) *International Economic Review* 35: 245-56, 1994.
- “Measuring Technical Efficiency with Panel Data: A Dual Approach” (with Chris Cornwell) *Journal of Econometrics*, 59: 257-62, 1993.
- “The Performance of Standard and Hybrid EM Algorithms for ML Estimates of the Normal Mixture Model with Censored Data” *Journal of Statistical Computation and Simulation*, 44:105-115, 1992.

- “The Bias of Bootstrapped Versus Conventional Standard Errors in the General Linear and SUR Models,” (with Paul Wilson) *Econometric Theory*, 8:258-275, 1992.
- “On the Estimation of Non-Minimum Cost Functions,” (with Robert Halvorsen) *Southern Economic Journal*, 58: 1114-1117, 1992.
- “Econometric Health Production Functions: Relative Bias From Omitted Variables and Measurement Error,” (with Tom Crocker) *Journal of Environmental Economics and Management*, 22:12-24, 1992.
- “The Value of Risks to Life: Evidence from the Market for Automobiles,” (with Robert Halvorsen), *Review of Economics and Statistics*, 72: 133-36, 1990.
- “A Bayesian Approach to Assessing the Robustness of Hedonic Property Value Studies,” (with Tom Crocker), *Journal of Applied Econometrics*, 2: 27-45, 1987.
- “Flexible Modelling of Time-to-Failure in Risky Careers,” (with John Tschirhart), *Review of Economics and Statistics*, 68: 558-566, 1986.
- “Parametric Efficiency Tests, Economies of Scale, and Input Demand in U.S. Electric Power Generation,” (with Robert Halvorsen) *International Economic Review*, 25: 647-62, 1984.
- “A New Hedonic Technique for Estimating Attribute Demand: An Application to the Demand for Automobile Fuel Efficiency,” (with Robert Halvorsen), *Review of Economics and Statistics*, 66: 417-26, 1984.
- “The Implications of Homothetic Separability for Share Equation Price Elasticities,” *Journal of Business and Economic Statistics*, 1: 211-14, 1983.
- “A Test of Relative and Absolute Price Efficiency in Regulated Utilities,” (with Robert Halvorsen), *Review of Economics and Statistics*, 62: 81-88, 1980.
- “Responsiveness to Time-of-Day Electricity Pricing: First Empirical Results,” *Journal of Econometrics*, 9: 79-95, 1979.
- “Small-Sample Properties of Simultaneous Equation Estimators with Multicollinearity,” *Journal of the American Statistical Association*, 73: 719-23, 1978.
- (2.) *Energy Economics and Industrial Organization*
- “Terrorism as Bargaining” (with Todd Sandler and John Tschirhart), *Journal of Law and Economics*, 30: 1-21, April 1987, reprinted in *The Economics of Defence* edited by Keith Hartley and Todd Sandler, Edward Elgar Publishing, November, 2004.

- “The Relative Efficiency of Public and Private Utilities in a Regulated Environment: The Case of U.S. Electric Utilities,” (with Robert Halvorsen), *Journal of Public Economics*, 29: 281-94, 1986, reprinted in *The Political Economy of Privatization and Deregulation*, edited by Elizabeth E. Bailey and Janet R. Pack as part of the series, *The International Library of Critical Writings in Economics*—Series Editor, Mark Blaug, (London: Edward Elgar Publishing Limited) 1994.
- “Explaining Regulatory Commission Behavior in the Electric Utility Industry” (with Cliff Nowell), *Southern Economic Journal*, 60:634-43, 1994.
- “Tests of Allocative Efficiency in Regulated Multi-Product Firms,” (with Robert Halvorsen), *Resources and Energy*, 12: 65-77, 1990.
- “Dual Measures of Monopoly and Monopsony Power: An Application to Regulated Electric Utilities” (with Joe Kerkvliet), *Review of Economics and Statistics*, 71: 250-57, May 1989.
- “Revenue Sharing as an Incentive in an Agency Problem: An Example from the National Football League” (with John Tschirhart and Linda Stanley), *Rand Journal of Economics*, 19: 27-43, Spring 1988.
- “Terrorism as Bargaining” (with Todd Sandler and John Tschirhart), *Journal of Law and Economics*, 30: 1-21, April 1987.
- “Measuring the Multilateral Allocation of Rents: Wyoming Low-Sulfur Coal,” (with Joe Kerkvliet) *Rand Journal of Economics*, 17: 416-30, 1986.
- “The Relative Efficiency of Public and Private Utilities in a Regulated Environment: The Case of U.S. Electric Utilities,” (with Robert Halvorsen), *Journal of Public Economics*, 29: 281-94, 1986.
- “Reshaping Residential Electricity Load Curves Through Time-of-Use Pricing,” *Resources and Energy*, 3: 175-94, 1981.
- “Automatic Price Adjustment Clauses and Input Choice in Regulated Utilities,” (with Robert Halvorsen), *Journal of Business Administration*, 12: 185-96, 1981.
- “Interfuel Substitution in Steam-Electric Power Generation,” (with Robert Halvorsen), *Journal of Political Economy*, 84: 959-78, 1976.
- (3.) *Environmental Economics*
- “Bigger May be Better: The Case of Emissions Trading Programs” (with Brian Morton), *Resource and Energy Economics*, 26: 295–315, 2004.

- “The Empirical Properties of Two Classes of Designs for Transferable Discharge Permit Markets,” (with Tom Tietenberg), *Journal of Environmental Economics and Management*, 9: 101-21, 1982, reprinted in *The International Library of Environmental Economics and Policy*, Ashgate Publishing, 2001.
- “A Cost-Effectiveness Analysis of Alternative Air-Quality Control Strategies,” (with Donald H. Lewis), *Journal of Environmental Economics and Management*, 1: 237-50, 1974, reprinted in *The International Library of Environmental Economics and Policy*, Ashgate Publishing, 2001.
- “Alternative Approaches for Reaching Ambient Standards in Non-Attainment Areas: Equity and Efficiency Considerations,” (with Tom Tietenberg), *Land Economics*, 60: 148-59, 1984, republished in *The Theory and Decisions of Emissions Trading Programs* as part of the International Library of Environmental Economics and Policy, edited by Tom Tietenberg, Ashgate Publishing, November, 2000.
- “Economic Implications of Emissions Trading Rules for Local and Regional Pollutants,” (with Tom Tietenberg), *Canadian Journal of Economics*, 20: 370-86, 1987, republished in *The Theory and Decisions of Emissions Trading Programs* as part of the International Library of Environmental Economics and Policy, edited by Tom Tietenberg, Ashgate Publishing, November, 2000.
- “Market Failure in Incentive-Based Regulation: The Case of Emissions Trading,” (with Tom Tietenberg) *Journal of Environmental Economics and Management* 21, 17-31, 1991, republished in *The Theory and Decisions of Emissions Trading Programs* as part of the International Library of Environmental Economics and Policy, edited by Tom Tietenberg, Ashgate Publishing, November, 2000.
- “The Empirical Properties of Two Classes of Designs for Transferable Discharge Permit Markets”, *Journal of Environmental Economics and Management* 9:101-121, 1982 (with Tom Tietenberg) reprinted in *Environmental Analysis and Economic Policy*, Series Editors: Kenneth J. Button and Peter Nijkamp, Edward Elgar Publisher, 1998.
- “The Transferability of Hedonic Property Prices,” (with Tom Crocker) *Journal of Regional Science* 32: 169-183, 1992.
- “Bayesian Exchangeability, Benefits Transfer, and Research Efficiency” (with Tom Crocker and Jay Shogren) *Water Resources Research*. 28: 715-722, 1992.
- “Market Failure in Incentive-Based Regulation: The Case of Emissions Trading,” (with Tom Tietenberg) *Journal of Environmental Economics and Management* 21, 17-31, 1991.
- “The Importance of Specification Uncertainty and Intolerance to Measurement Error in a Study of the Impact of Dentine on Children’s IQ’s,” (with Tom Crocker) *International Journal of Environmental Studies*, 29: 127-38, 1987.

- “Economic Implications of Emissions Trading Rules for Local and Regional Pollutants,” (with Tom Tietenberg), *Canadian Journal of Economics*, 20: 370-86, 1987.
- “An Application of Some Bayesian Diagnostics to a Study of the Impact of Blood Lead Upon Human Blood Pressure,” (with T.D. Crocker and D.H. Williams) *Applied Stochastic Models and Data Analysis*, 2: 179-91, 1986.
- “Have Priors in Aggregate Air Pollution Epidemiology Dictated Posteriors?,” (with Tom Crocker and Bob Murdock), *Journal of Urban Economics*, 17: 319-334, 1985.
- “Optimal Methods to Explain Crop Yield and Time to Failure,” (with Tom Crocker and Rich Adams), *American Journal of Agricultural Economics*, 67: 414-18, 1985.
- “Marketable Permits and Acid Rain Externalities: Reply,” *Canadian Journal of Economics*, 18: 676-79, 1985.
- “Alternative Approaches for Reaching Ambient Standards in Non-Attainment Areas: Equity and Efficiency Considerations,” (with Tom Tietenberg), *Land Economics*, 60: 148-59, 1984.
- “Marketable Permits and Acid Rain Externalities,” *Canadian Journal of Economics*, 16: 704-22, 1983.
- “The Empirical Properties of Two Classes of Designs for Transferable Discharge Permit Markets,” (with Tom Tietenberg), *Journal of Environmental Economics and Management*, 9: 101-21, 1982.
- “On Scientific Inquiry into Human Health Effects of Air Pollution: A Reply to Pearce et al.,” (with Tom Crocker), *Journal of the Air Pollution Control Association*, 32: 1206-1209, 1982.
- “Determination and Implementation of Optimal Air Quality Standards,” (with Donald H. Lewis), *Journal of Environmental Economics and Management*, 3: 363-80, 1976.
- “A Cost-Effectiveness Analysis of Alternative Air-Quality Control Strategies,” (with Donald H. Lewis), *Journal of Environmental Economics and Management*, 1: 237-50, 1974.

b . *Book Chapters*

- “Shadow Prices” *International Encyclopedia of the Social Sciences*, Thompson Publishing Co., November, 2007.
- “Modelling Tradeable Discharge Permits: The Role of Sequential Trades and Externalities,” in *Economic Instruments for Air Pollution Control* (eds. Finn Forsund and Ger Klaassen, (Dordrecht, the Netherlands: Kluwer Academic Publishers), 1994.

- “Bayesian Exchangeability and Hedonic Valuation Techniques,” (with Tom Crocker) in R. Gutierrez and M. J. Valderrama, *Proceedings of the Fifth Annual International Symposium on ASMDA Applied Stochastic Models and Data Analysis*, Granada, Spain, April, 1991.
- “Economic Methods and Study of Terrorism,” (with Todd Sandler, Jon Cauley, Eric Ik Soon Im, John Scott, and John Tschirhart), in Paul Wilkinson (ed.) *Research on Terrorism* (Aberdeen, Scotland: University of Aberdeen Press), 1987.
- “Non-Optimal Solutions Using Transferable Discharge Permits: The Case of Acid Rain,” Buying A Better Environment, *Land Economics*, monograph No. 6, E.F. Joeres and Martin H. David, eds., 55-70, 1983.
- “The Effect of Global Optimization on Locally Optimal Pollution Control: The Case of Acid Rain,” in *Acid Precipitation*, ed., John Teasley, Ann Arbor Science Publishers, 1982.
- “A Comparative Analysis of Consumer Response to Time-of-Use Electricity Pricing: Arizona and Wisconsin,” in *Modeling and Analysis of Electricity Demand by Time-of-Day*, Dennis Aigner, ed., EA-1304, Electric Power Research Institute, Palo Alto, California, 1979.
- “Responsiveness to Time-of-Day Electricity Pricing,” in *Forecasting and Modeling Time-of-Day and Seasonal Electricity Demands*, Anthony Lawrence, ed., EA578-SR, Electric Power Research Institute, Palo Alto, California, 1977.
- “Demand for Fossil Fuels in Electricity Generation,” (with Robert Halvorsen), in *Econometric Dimensions of Energy Supply and Demand*, Brad Askin and John Kraft, eds., D.C. Heath, 53-63, 1976.

c . *Book Reviews*

- Review of *Stochastic Frontier Analysis* by Subal Kumbhakar and C. A. Knox Lovell, Cambridge UK: Cambridge University Press, 2000. in *Econometric Reviews* 24, 2005.
- Review of *Incentive Regulation for Public Utilities* by Michael A. Crew, Kluwer Academic Publishers, 1994, in the *Southern Economic Journal* 63:4, 1997.

14. **Working Papers–Submitted**

- S.E. Atkinson and D. Primont “Estimating Allocative Efficiency, Technical Efficiency, and Productivity Change using a Directional Distance Function with Good and Bad Outputs” submitted to *Journal of Business and Economic Statistics*.

“Inference in Two-Step Panel Data Models with Weak Instruments and Time-Invariant Regressors: Pairs versus Wild Bootstrap Estimators” (with Chris Cornwell) submitted to *Journal of Econometrics*.

“Inference in Two-Step Panel Data Models with Time-Invariant Regressors” (with Chris Cornwell) to be submitted to *Zeitschrift in Honor of Peter Schmidt*, which will be published by Elsevier Press.

15. Working Papers–In Progress

“Estimating an Endogenous Directional Vector for Directional Distance Functions: A Bayesian Approach” with Mike Tsionas.

“On Designing An Efficient CO_2 Emissions Cap and Trade System”. (with Tom Crocker and Mark Agee) under revision.

“Plant-level Environmental Investment Decisions under Disparate Cap-and Trade Systems: A Bayesian Analysis” (with Jeff Dorfman).

“Airline Efficiency, On-Time Performance, and Flexibility: a Directional Distance Function Approach (with Jon Williams and Kamalini Ramdas).

“The Effects of Head Start and other Home Inputs on Children’s Body Weight and Cognitive/Behavioral Development” (with Tom Crocker and Mark Agee).

16. Research Papers Presented

a. *Invited Papers*

“Inference in Two-Step Panel Data Models with Weak Instruments and Time-Invariant Regressors: Pairs versus Wild Bootstrap Estimators” Presented at the Econometrics Workshop, Syracuse University, November, 2011.

“The Effects of Head Start and other Home Inputs on Children’s Body Weight and Cognitive/Behavioral Development” presented at the Seminar Series, Department of Agriculture and Applied Economics, University of Georgia, October, 2011.

“Feasible Estimation of Firm-Specific Allocative Inefficiency Through Bayesian Numerical Methods” (with Jeff Dorfman) at University of Wyoming, April 2006.

“Measuring Productivity Growth of the Electric Utility Industry Including Pollution Control as an Output” (with Olaf Honerkamp) presented at the Georgia State University Department of Economics Seminar Series, April 27, 2000.

“Stochastic Estimation of Firm Inefficiency Using Distance Functions”, presented at the University of Wyoming Economics Workshop, Laramie, Wyoming, October, 1996.

- “Estimating Productivity Growth Using Input Distance Functions ”, presented at the University of Wyoming Economics Workshop, Laramie, Wyoming, October, 1996.
- “Estimating Productivity Growth for Multiple Outputs Using Distance and Non-Distance Measures”, presented at the Department of Economics Seminar Series, Southern Illinois University, Carbondale, IL, September, 1995.
- “Modelling Tradable Discharge Permits: the Role of Sequential Trades and Externalities,” at the Conference on Economic Instruments for Air Pollution Control held at the International Institute for Applied Systems Analysis, Laxenburg, Austria, October 18-20, 1993.
- “Bootstrapped and Conventional SUR Standard Errors: Bounds and Exact Likelihood Analysis,” (with Paul Wilson) at the Econometric Workshops at the University of Texas and Texas A & M Departments of Economics, September, 1993.
- “Market Failure in Incentive - Based Regulation: The Case of Emission Trading” (with Tom Tietenberg), at AERE Workshop on Natural Resource Market Mechanisms, Madison, Wisconsin, 1990.
- “Estimating Technical and Allocative Efficiency Using Panel Data: A Dual Approach,” (with Chris Cornwell) at Bellcore conference on Telecommunications Demand Modelling, Hilton Head, South Carolina, 1990.
- “The Bias of Conventional and Bootstrap Covariance Estimators in the Linear and SUR Models,” (with Paul Wilson), at Statistics Department Colloquium, University of Georgia, January 1989.
- “The Bias of Conventional and Bootstrap Covariance Estimators in the Linear and SUR Models,” (with Paul Wilson), at Economics Department, University of Wyoming, 1989.
- “Non-Optimal Solutions Using Transferable Discharge Permits: The Case of Acid Rain,” and “Alternative Approaches for Reaching Ambient Standards in Non-Attainment Areas: Equity and Efficiency Considerations,” at Natural Resources Institute Seminar, University of Washington, Seattle, February, 1983.
- “Non-Optimal Solutions Using Transferable Discharge Permits: The Case of Acid Rain,” to Conference on Transferable Discharge Permits sponsored by the Sea Grant Institute, University of Wisconsin, Madison, June, 1982.
- “The Effect of Global Optimization on Locally Optimal Pollution Control: The Case of Acid Rain,” at the 1982 meeting of the American Chemical Society in Las Vegas. 1982.
- “A New Hedonic Technique for Estimating Attribute Demand: An Application to the Demand for Automobile Fuel Efficiency,” at the Center for Econometric Development, University of Florida, Gainesville, 1981.
- “The Empirical Properties of Two Classes of Designs for Transferable Discharge Permit

Markets,” to the National Academy of Sciences Subcommittee examining proposed reform of the Clean Air Act in Prevention of Significant Deterioration of Air Quality Regions, Pasadena, 1979.

“Responsiveness to Time-of-Day Electricity Pricing,” and “A Comparative Analysis of Consumer Response to Time-of-Use Electricity Pricing,” at the Aspen (1976) and San Diego (1978) Time-of-Use Electricity Pricing Conferences sponsored by the Electric Power Research Institute, Palo Alto, California.

“Reshaping Residential Electricity Load Curves Through Time-of-Use Pricing,” to Resources for the Future, 1978.

“A Test of Relative and Absolute Price Efficiency in Regulated Utilities,” at Energy Seminar at Lehigh University, 1977.

b. *Contributed Papers*

“Estimating Allocative Efficiency, Technical Efficiency, and Productivity Change using a Directional Distance Function with Good and Bad Outputs” (with D. Primont) presented at the European Society of Econometrics Meeting, Oslo, Norway, August, 2011.

“Estimating Allocative Efficiency, Technical Efficiency, and Productivity Change using a Directional Distance Function with Good and Bad Outputs” (with D. Primont) presented at the European Workshop on Efficiency and Productivity Analysis, Verona, Italy, June, 2011.

“On Designing An Efficient CO_2 Emissions Cap and Trade System”, (with M. Agee, and T. D. Crocker) presented at the European Economic Association Meetings, Glasgow, Scotland, August, 2010.

“On Designing An Efficient CO_2 Emissions Cap and Trade System”, (with M. Agee, and T. D. Crocker) presented at the World Congress of Environmental and Resource Economists, Montreal, Canada, June, 2010.

“Estimating Allocative Efficiency, Technical Efficiency, and Productivity Change using a Directional Distance Function with Good and Bad Outputs” (with D. Primont) presented at the European Workshop on Efficiency and Productivity Analysis, Pisa, Italy, June, 2009.

“Multi-Input and Multi-Output Estimation of the Efficiency of Child Health Production: A Two-Step Panel Data Approach” (with Mark Agee and Tom Crocker), presented at the 2009 Summer Meetings of the Econometric Society, Boston, MA, June 2009.

“Multi-Input and Multi-Output Estimation of the Efficiency of Child Health Production: A Two-Step Panel Data Approach” (with Mark Agee and Tom Crocker), presented at the 2008 EEA Meetings in Milan, Italy, August, 2008.

“Inference in Two-Step Panel Data Models with Time-Invariant Regressors” (with Chris

- Cornwell), presented at the 2007 ESEM Meetings in Budapest, Hungary, August, 2007.
- “Migration of Mexican Labor: the Impact on the Mexican Maquiladora Industry” (with Marilyn Ibarra) at the 15th Panel Meeting of *Economía*, Yale University, New Haven CT. May 11-12, 2007.
- “Estimation of Allocative Inefficiency and Productivity Growth with Dynamic Adjustment Costs” (with Chris Cornwell), presented at the LAMES Meetings, Mexico City, November 2006.
- “Inference in in Two-Step Panel Data Models with Time-Invariant Regressors” (with Chris Cornwell) presented at International Panel Data Conference, Cambridge, England, July, 2006.
- “Chasing Absolute Cost Savings in a World of Relative Inefficiency” (with Jeff Dorfman) presented at the North American Productivity Conference, New York, June, 2006.
- “Chasing Absolute Cost Savings in a World of Relative Inefficiency” (with Jeff Dorfman) presented at the American Agricultural Economics Association, Long Beach, July, 2006.
- “The Impact of Wage Differentials on the Dynamic Labor Response of Mexican Workers: A Panel Data Analysis of Mexican and U.S. States” (with Marilyn Ibarra) presented at the 2005 Meetings of the Latin American and Caribbean Economics Association, Paris, October, 2005.
- “Feasible Estimation of Firm-Specific Allocative Inefficiency Through Bayesian Numerical Methods” (with Jeff Dorfman) presented at the American Agricultural Economics Association (AAEA) Annual Meeting in Providence, July 24-27, 2005.
- “Estimation of Allocative Inefficiency and Productivity Growth with Dynamic Adjustment Costs” (with Chris Cornwell), presented at the ESEM Meetings, Madrid, Spain, August 2004.
- “Estimation of Allocative Inefficiency and Productivity Growth with Dynamic Adjustment Costs” (with Chris Cornwell), presented at the 11th International Conference on Panel Data, Texas A & M University, May, 2004.
- “Bayesian Measurement of Productivity and Efficiency In the Presence of Undesirable Outputs: Crediting Electric Utilities for Reducing Air Pollution”, presented at the Summer European Meetings of the Econometric Society, Stockholm, August, 2003.
- “Bayesian Measurement of Productivity and Efficiency In the Presence of Undesirable Outputs: Crediting Electric Utilities for Reducing Air Pollution”, presented at the Georgia Conference on Current Developments in Productivity and Efficiency Measurement, October, 2002.
- “Multiple Comparisons with the Best: Bayesian Precision Measures of Efficiency Rankings” (with Jeff Dorfman), presented at the Valencia Meetings of the International

Society for Bayesian Analysis, Canary Islands, June, 2002.

- “Crediting Electric Utilities for Reducing Air Pollution: Bayesian Measurement of Productivity and Efficiency ” (with Jeff Dorfman), presented at the Canadian Economic Society Meetings in Montreal, Spring, 2001.
- “Crediting Electric Utilities for Reducing Air Pollution: Bayesian Measurement of Productivity and Efficiency ” (with Jeff Dorfman), presented at the International Society for Bayesian Analysis Conference, Laguna Beach, California, Spring, 2001.
- “Measuring Productivity Growth and Efficiency of the Chilean Electric Utility Industry” (with Claudia Halabí), presented at the Latin American Meetings of the Econometric Society, Buenos Aires, Argentina, Summer, 2001.
- “Multiple Comparisons with the Best: Bayesian Precision Measures of Efficiency Rankings” (with Jeff Dorfman), presented at the European Econometric Society Meetings, Lausanne, Switzerland, Summer, 2001.
- “Multiple Comparisons with the Best: Bayesian Precision Measures of Efficiency Rankings” (with Jeff Dorfman), presented at the Workshop on Efficiency and Productivity Analysis, Oviedo, Spain, Summer, 2001.
- “Measuring Productivity Growth in the Presence of an Undesirable Output” (with Jeff Dorfman) presented at the Annual Meetings of the American Agricultural Economics Association (presented by Dorfman), Tampa, Florida, August, 2000.
- “Measuring Productivity Growth of the Electric Utility Industry Including Pollution Control as an Output” (with Olaf Honerkamp) presented at the Meetings of the Southern Economics Association, New Orleans, November, 1999.
- “Measuring and Decomposing Productivity Change: Stochastic Distance Function Estimation vs. DEA” (with Olaf Honerkamp and Chris Cornwell) presented at the European Econometric Society Meetings, Santiago de Compostella, August, 1999.
- “Measuring Productivity Growth, Technical Efficiency, Allocative Efficiency, and Returns to Scale Using Distance Functions” (with Dan Primont). Presented at the Workshop on Efficiency and Productivity Analysis, Athens, GA, October, 1998.
- “Measuring Productivity Growth, Technical Efficiency, Allocative Efficiency, and Returns to Scale Using Distance Functions” (with Dan Primont). Presented at the 16th Latin American Meetings of the Econometric Society, Lima, Peru, August, 1998.
- “ Stochastic Estimation of Firm Technology, Inefficiency, and Productivity Growth Using Shadow Cost and Distance Functions ”(with Dan Primont). Presented at the North American Econometric Society Meetings, Chicago, January 1998.
- “Measuring Technical and Allocative Inefficiency via Econometric Estimation of Distance Functions” (with Rolf Färe and Dan Primont), Presented at the 15th Latin American Meetings of the Econometric Society, Santiago, Chile, August, 1997.
- “ Measuring Productivity Change Using the Malmquist Index: Stochastic Distance Func-

- tion Estimation vs. DEA ” (with Chris Cornwell and Olaf Honerkamp)– Presented at Workshop on Efficiency and Productivity Analysis, Athens, GA, October, 1996.
- “Measuring Technical and Allocative Inefficiency via Econometric Estimation of Distance Functions” (with Rolf Färe and Dan Primont), Presented at Workshop on Efficiency and Productivity Analysis, Athens, GA, October, 1996.
- “Stochastic Estimation of Firm Inefficiency Using Distance Functions,” presented at the 1996 Econometric Society European Meetings, Istanbul, Turkey, August, 1996.
- “Parametric Measurement of Technical and Allocative Inefficiency Using Distance Functions,” presented at the 1995 Meetings of the Southern Economic Association, New Orleans, November, 1995.
- “Estimating Productivity Growth Using Radial and Non-Radial Measures” presented at the 1995 Summer Econometric Society European Meetings in Prague, Czechoslovakia, August, 1995. presented at the 1995 World Congress of the Econometric Society, Tokyo, Japan.
- “Estimating Productivity Growth For Multiple Outputs Using Distance and Non-Distance Measures” presented at the Fourth European Workshop on Efficiency and Productivity Analysis, CORE, Louvain-La-Neuve, Belgium, October, 1995.
- “Estimating Productivity Growth Using Distance and Non-Distance Measures” presented at the 1994 Productivity Conference, Athens, GA, October, 1994.
- “Estimating Productivity Growth Using Distance and Non-Distance Measures” presented at the 1994 Summer Econometric Society European Meetings in Maastricht, Netherlands, August, 1994.
- “Estimation of Technical and Price Efficiency Using Panel Data,” at the 1993 Winter Econometric Society Meetings in Boston, MA, January, 1994.
- “Estimation of Output and Input Technical Efficiency Using a Flexible Functional Form and Panel Data,” presented at the 1993 Summer Econometric Society European Meetings in Uppsala, Sweden, August, 1993.
- “Bootstrapped and Conventional SUR Standard Errors: Bounds and Exact Likelihood Analysis,” presented at the 1993 Summer Econometric Society European Meetings in Uppsala, Sweden, August, 1993.
- “The Measurement of Allocative and Technical Efficiency Using Panel Data: An Application to the U. S. Airline Industry ” (with Chris Cornwell) at the Fourth Conference on Panel Data, Budapest, Hungary, June 18-19, 1992.
- “The Measuring Technical Efficiency with Panel Data: A Dual Approach,” (with Chris Cornwell) at the 1991 meetings of the European Econometric Society, Cambridge, England.
- “Bayesian Exchangeability and Hedonic Valuation Techniques,” presented at the Fifth International Symposium on Applied Stochastic Models and Data Analysis, Granada,

Spain, April, 1991.

- “The Bias of Bootstrapped Versus Conventional Standard Errors in the General Linear and SUR Models,” (with Paul Wilson) at the Econometric Society Meetings of the ASSA in December 1990, Washington, D.C.
- “Measuring Allocative and Technical Efficiency Using Panel Data,” presented at the 1989 Econometric Society Meetings, December, 1989.
- “Parametric Tests for Static Equilibrium,” presented at the 1988 Econometric Society Meetings, December, 1988.
- “Production and Pricing in Regulated Multi-Product Firms,” presented at the 1987 Econometric Society Meetings, December, 1987.
- “Testing for Relative Price Efficiency of Multi-Input, Multi-Output Firms,” presented at the 1986 Econometric Society Meetings, December, 1986.
- “Parametric Tests for Equilibrium Using Generalized Profit and Cost Functions,” presented at the 1985 Econometric Society Meetings, December, 1985.
- “Optimal Methods to Explain Crop Yield and Time to Failure,” presented at 1984 Econometric Society Meetings, December, 1984.
- “The Value of Human Life: Evidence from New Car Purchases,” presented at the Econometric Society Meetings, December, 1984.
- “A Time-to-Failure Analysis of Labor Market Participation in Professional Football,” presented at Summer Meetings of the Econometric Society in Palo Alto, June 1984 and the Economic Society Meetings, December, 1984.
- “Specification Uncertainty and Measurement Error Intolerance in Hedonic Property Value Studies,” at the 28th NBER-NSF Seminar on Bayesian Inference in Econometrics and Statistics, Madison, May 1984.
- “The Relative Efficiency of Public and Private Utilities,” presented at the Econometric Society Meetings, December, 1982.
- “A Test of Relative and Absolute Price Efficiency in Regulated Utilities,” at the Econometric Society Meetings, December, 1979.
- “Responsiveness to Time-of-Day Electricity Pricing: First Empirical Results,” presented at the Econometric Society Meetings, December 1978.
- “Interfuel Substitution in Steam-Electric Power Generation,” presented at the Econometric Society Meetings, December, 1975.
- “Determination and Implementation of Optimal Air Quality Standards,” presented at ORSA/TIMS Meetings, 1975.
- “A Cost-Effectiveness Analysis of Alternative Air-Quality Control Strategies,” presented at ORSA/TIMS Meetings, 1974.

“Small-Sample Properties of Simultaneous Equation Estimators with Multicollinearity,”
presented at the AEA Meetings, December, 1974.