

**Thomas B. Fomby**  
**Professor of Economics**  
**Department of Economics**  
**Southern Methodist University**

**Contact Information**

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Dallas, Texas 75275                            e-mail: [tfomby@smu.edu](mailto:tfomby@smu.edu)

**Professional Interests**

Research: Econometric Theory and Applications, Predictive Analytics, Time Series Analysis  
Teaching: Econometrics at all levels, Predictive Analytics

**Education**

Ph.D. 1975 (Economics), University of Missouri-Columbia  
M.A. 1973 (Economics), University of Missouri-Columbia  
B.A. 1969 (Mathematics), Hendrix College, Conway, AR

**Employment History**

Director, Richard B. Johnson Center for Economic Studies, SMU, May, 2012 – May, 2015  
May, 2000 - Present            Professor, Economics, SMU  
May, 2009 - May, 2010        Chairman, Department of Economics, SMU  
Fall 1979 - May, 2000        Associate Professor, Economics, SMU  
Fall 1991 – Summer, 1994    Chairman, Department of Economics, SMU  
Fall 1975 – Spring, 1979     Assistant Professor, Economics, SMU  
Fall 1969 – Spring, 1971     Programmer/Analyst Biometry Department, University of Arkansas Medical  
Center, Little Rock

**Awards**

Outstanding Alumni Award, Arts and Sciences Division, University of Missouri, Columbia, 2018  
Rotunda Yearbook Outstanding Professor Award, 2011  
Nominee, Altshuler Distinguished Teaching Professor Award, 2003, 2004, 2011, 2016, 2018  
SMU Faculty Club Mentor Supereminence Award, 2010  
Inducted into Phi Beta Kappa – Gamma Chapter of Texas at SMU, April 2009  
Nominee for the SMU Rotunda Outstanding Professor Award, 2007

Outstanding Alumni Award, Hendrix College, Conway, Arkansas, 2006  
Colin Powell Fellow in the John C. Tower Center for Political Studies, 2003 – 2005  
SMU Distinguished University Citizen Award 2004. Awarded by the Provost's Office for Distinguished Service to the University  
2003 Wye Faculty Fellow, The Aspen Institute, Queenstown, Maryland, July 26 - August 1, 2003.  
United Methodist Church Scholar/Teacher of the Year Award, 2002. Awarded by the United Methodist Church National Board of Higher Education  
HOPE Professor, SMU Students' Association (**H**onoring **O**ur **P**rofessors' **E**xcellence), 2001  
**M** Award for Outstanding Service to the University, 2000. Awarded by the President of the University.  
Named Honorary Life-time Member of Golden Key National Honor Society, 1999  
Outstanding Economics Professor, 1998 - 99, SMU Economics Club  
The SMU Godbey Lecture Series Outstanding Faculty Award, 1997  
SMU Faculty Volunteer of the Year Award, 1992  
Who's Who in America; Who's Who in Finance and Business; Who's Who in Education

### **Academic Affiliations**

Research Associate, Research Department of the Federal Reserve of Dallas, 1982 – Present  
Research Associate, 2009, World Bank, Washington, DC, Development Research Group (DECRG) Growth and Macroeconomics Team. Investigating Economic Impacts of Disasters and Ameliorating Factors.  
Council Member of The Society of Economic Measurement, 2013 - Present  
Research Associate, Surgery and Epidemiology Departments, University of Texas Southwestern Medical Center, Dallas, TX, 2008 – 2011. Applications of Time Series and Predictive Analytics Techniques to Medical Research in Surgery and Epidemiology.  
Senior Co-editor, **Advances in Econometrics** (Emerald Publishing, Ltd), 1986 – Present  
Associate Editor, Asia-Pacific Financial Markets, 1993 - 2002.

### **Refereed Articles**

"Using a Positive Deviance Approach to Influence Culture of Patient Safety Related to Infection Prevention," Open Forum Infectious Diseases, Vol. 5, Issue 10, Oct 2018.  
(<https://doi.org/10.1093/ofid/ofy231>) with P. Sreeramoju, L. Dura, M. Fernandez, A. Minhajuddin, K. Simacek, and B. Doebbeling.

"Financial Capability and Food Security in Extremely Vulnerable Households," American Journal of Agricultural Economics, Vol. 100, issue 4, July, 2018 with Daniel Millimet and Ian McDonough.

"Prediction-based Adaptive Compositional Model for Seasonal Time Series Analysis," Journal of Forecasting, 36 (7), 2017 with Kun Chang and Rong Chen.

"The 2012 West Nile Encephalitis Epidemic in Dallas, Texas" Journal of the American Medical Association, July 2013, 310(3) with W. Chung, C. Buseman, S. Joyner, S. Hughes, J.P. Ludy and R. Haley.

"The Growth Aftermath of Natural Disasters," Journal of Applied Econometrics, 28 (3), 2013 with

Y. Ikeda and N.V. Loayza. (Published online, 28 October 2011 in Wiley Online Library)

"Return Dependence and the Limits of Product Diversification in Financial Firms," Journal of Money, Banking, and Credit, 44 (6), 2012, with Jeffery W. Gunther and Jian Hu.

"Epidemiological Similarities Between Appendicitis and Diverticulitis Suggesting a Common Underlying Pathogenesis," in Archives of Surgery, 2011, 146(3) with Edward H. Livingston, M.D., Wayne A. Woodward, Ph.D., and Robert W. Haley, MD.

"Association of Viral Infection and Appendicitis" in Archives of Surgery, 2010, 145(1) with Adam C. Alder, MD, Wayne A. Woodward, Ph.D., Robert W. Haley, MD, George Sarosi, MD, and Edward H. Livingston, MD.

"A Change Point Analysis of the Impact of 'Environmental Federalism' on Aggregate Air Quality in the United States: 1940 – 98" with Limin Lin, Economic Inquiry, 44, 2006.

"Inconsistency of HAC Standard Errors in Event Studies with IID Errors" with Justin Murfin, Applied Financial Economics Letters, 1, 2005.

"The Application of Size Robust Trend Statistics to Global Warming Temperature Series" with Tim Voglesang, Journal of Climate, 15, 2002.

"Forecasting with Stable Seasonal Pattern Models with an Application to Hawaiian Tourism Data," with Rong Chen, Journal of Business and Economic Statistics, 17, 1999.

"Threshold Cointegration," with Nathan Balke in International Economic Review, 38, 1997.

"Large Shocks, Small Shocks, and Economic Fluctuations: Outliers in Macroeconomic Time Series," with Nathan Balke in Journal of Applied Econometrics, 9, 1994.

"Average of Forecasts: An Improvement," with S. K. Samanta, Applied Economics, 24, 1993.

"Application of Stein-rules to Combination Forecasting," with Subarna Samanta, Journal of Business & Economic Statistics, 9, 1991.

"Shifting Trends, Segmented Trends, and Infrequent Permanent Shocks," with Nathan Balke, Journal of Monetary Economics, 28, 1991.

"Infrequent Permanent Shocks and the Finite-Sample Performance of Unit Roots," with Nathan Balke, Economic Letters, 36, 1991.

"An Intervention Analysis of the War on Poverty: Poverty's Persistence and Political-Business Cycle Implications," with K. J. Hayes. Journal of Econometrics, 43, 1990.

"Deregulation and the Demand for Money Market Mutual Funds," with R. Deb and C. H. Lam, Journal of Macroeconomics, Vol. 11, Spring, 1989.

"Small Sample Efficiency Gains from a First Observation Correction for Hatanaka's Estimator of the Lagged Dependent Variable-Serial Correlation Regression Model," Communications in Statistics, B, 16, no. 2, 1987.

"The Relative Efficiency of a Robust Generalized Bayes Estimator in a Linear Regression Model with Multicollinearity," with R. Carter Hill, Economics Letters, December, 1986.

"Standard Errors in the Multinomial Logit Model," with James E. Pearce, Communications in Statistics, A15, July, 1986.

"A Comparison of Forecasting Accuracies of Alternative Regional Production Index Methodologies," Journal of Business and Economic Statistics, Vol. 4, April, 1986.

"An Examination of Two-Step Estimators for Models with Lagged Dependent Variables and Autocorrelated Errors," with David K. Guilkey, Journal of Econometrics, 22, 1983.

"Loss of Efficiency in Regression Analysis Due to Irrelevant Variables: A Generalization," Economics Letters, Vol. 7, July, 1981.

"Is the Regression Equation Adequate? - A Reply," with R. C. Hill and G. G. Judge, Technometrics, Vol. 22, Feb., 1980.

"Multicollinearity and the Value of A Priori Information," with R. Carter Hill, Communications in Statistics, Vol. A8, 1979.

"MSE Evaluation of Shiller's Smoothness Priors," International Economic Review, Vol. 20. Feb., 1979.

"Multicollinearity and the Mini-Max Conditions of the Bock Stein-like Estimator," with R. Carter Hill, Econometrica, Vol. 47, Jan., 1979.

"On Testing the Adequacy of the Regression Model," with R. C. Hill and G. G. Judge, Technometrics, Vol. 20, Nov., 1978.

"On Choosing the Optimal Level of Significance for the Durbin-Watson Test and the Bayesian Alternative," with D. K. Guilkey, Journal of Econometrics, Vol. 8, Oct., 1978.

"Deletion Criteria for Principal Components Regression Analysis," with R. C. Hill, American Journal of Agricultural Economics, Vol. 60, Aug., 1978.

"An Optimal Property of Principal Components in the Context of Restricted Least Squares," with R. C. Hill and S. R. Johnson, Journal of the American Statistical Association, Vol. 73, March, 1978.

"Component Selection Norms for Principal Components Regression," with R. C. Hill and S. R. Johnson, Communications in Statistics, Vol. A6, 1977.

"MSE Evaluation of Ridge Estimators Based on Stochastic Prior Information," with S. R. Johnson, Communications in Statistics, Vol. A6, 1977.

### **Refereed Federal Reserve Bank Publications**

"A New Monetary Aggregate," with Evan F. Koenig, Dallas Fed Economic Review, May, 1990.

"Texas in Transition: Dependence on Oil and the National Economy," with J. G. Hirschberg, Dallas Fed Economic Review, January 1989.

"A Study of the Relationship Between Economic Growth and Inequality: The Case of Mexico," with J. H. Haslag and D. J. Slottje, Dallas Fed Economic Review, May, 1988

"Time Series Forecasting Models of the Texas Economy: A Comparison," with J. Hoehn and W. Gruben, Dallas Fed Economic Review, May, 1984.

"A Comparison of Judgmental and Econometric Forecasts of the Economy: The Business Week Survey," Dallas Fed Economic Review, September, 1982.

## Refereed Book Chapters

"Econometrics for the Future" with Hector Zapata and R.C. Hill in The Routledge Handbook of Agricultural Economics, Chapter 25, eds. G.L. Cramer, K.P. Pandel, and A. Schmitz (Routledge Press), July, 2018.

"Threshold Autoregression: Its Seed Corn, Meeting the Market Test, and Two of Its Spillover Effects" in Exploration of a Nonlinear World: An Appreciation of Howell Tong's Contributions to Statistics (World Scientific Press), 2009

"Tests of Common Deterministic Trend Slopes Applied to Quarterly Global Temperature Data" with Tim Vogelsang in Volume 17 of Advances in Econometrics: Maximum Likelihood Estimation of Misspecified Models, Twenty Years Later, Elsevier-Science, 2003, eds. T. Fomby and R. Carter Hill.

"The Effects of Extrapolation on Mini-Max Stein-Rule Prediction," with R. Carter Hill in Essays in the Theory and Practice of Econometrics: A Volume in Honor of George G. Judge (Amsterdam: North Holland), 1992.

"Small Sigma Approximations and the Robustness of Stein-Rules to Nonnormality in the Disturbances," with R. Carter Hill, Advances in Econometrics, JAI Press, 1988.

"The Ridge Regression Monte Carlo Controversy: Where Do We Stand?" Advances in Econometrics, JAI Press, 1987.

"Improved Confidence Sets in a Non-Utopian Setting," with R. Carter Hill, in Innovations in Quantitative Economics: Essays in Honor of Robert L. Basman, JAI Press, edited by D. Slottje, 1986.

## Conference Proceedings

"Treatment of Lagged Dependent Regressors and Autocorrelated Errors in SAS/ETS Software," with Joseph G. Hirschberg in SAS User's Group International (SUGI) 12 Conference Proceedings, 1987.

## Book

Advanced Econometric Methods with R. C. Hill and S. R. Johnson (NY: Springer-Verlag), 1984.

## Monographs

Divert Court of Dallas County Cost-Benefit Study with Vasudha Rangaprasad. Final report to Dallas County Commissioner's Court on grant funded by Dallas County, Dallas Texas to study the cost and benefits of drug treatment through the Divert Court of Dallas County, Texas. (August 31, 2002.)

A Description of the Fort Burgwin Campus of Southern Methodist University and Its Estimated Economic Impact on the Local Taos Economy, Office of the President of SMU, 1993

Methodology of the Texas Industrial Production Index, Federal Reserve Bank of Dallas, 1983.

**Co-Editor** of Studies in the Economics of Uncertainty: In Honor of Josef Hadar, Springer-Verlag, 1989,

(with T.K. Seo)

**Co-Editor of *Advances in Econometrics*  
Emerald Publishing Company, Bingley, UK, 1986 – 90 & 95 – Present**

Volumes in the series that I edited, co-edited, or served as senior editor:

Vol. 6, 1987	<u>Computation and Simulation</u>
Vol. 7, 1988	<u>Nonparametric and Robust Inference</u>
Supplement 1, 1989	<u>International Evidence on Consumption Patterns</u>
Vol. 8, 1990	<u>Co-integration, Spurious Regression, and Unit Roots</u>
Vol. 11, Part A, 1996	<u>Bayesian Computational Methods and Applications</u>
Vol. 11, Part B, 1996	<u>Bayesian Methods Applied to Time Series Data</u>
Vol. 12, 1997	<u>Applying Maximum Entropy to Economic Problems</u>
Vol. 13, 1998	<u>Messy Data-Missing Observations, Outliers, and Mixed-Frequency Data</u>
Vol. 14, 1999	<u>Applying Kernel and Nonparametrics Estimation to Economic Topics</u>
Vol. 15, 2000	<u>Nonstationary Panels, Panel Cointegration, and Dynamic Panels</u>
Vol. 16, 2002	<u>Econometric Models in Marketing</u>
Vol. 17, 2003	<u>Maximum Likelihood Estimation of Misspecified Models</u>
Vol. 18, 2004	<u>Spatial and Spatiotemporal Econometrics</u>
Vol. 19, 2004	<u>Applications of Artificial Intelligence in Finance and Economics</u>
Vol. 20, 2006	<u>Econometric Analysis of Financial and Economic Time Series (Parts A and B) in Honor of Robert Engle and Clive Granger</u>
Vol. 21, 2008	<u>Modelling and Evaluating Treatment Effects in Econometrics</u>
Vol. 22, 2008	<u>Econometrics of Risk Management</u>
Vol. 23, 2008	<u>Bayesian Econometrics</u>
Vol. 24, 2009	<u>Measurement Error: Consequences, Applications and Solutions</u>
Vol. 25, 2009	<u>Nonparametric Econometric Methods</u>
Vol. 26, 2010	<u>Maximum Simulated Likelihood Methods and Applications</u>
Vol. 27A, 2011	<u>Missing Data Methods: Cross-Sectional Methods and Applications</u>
Vol. 27B, 2011	<u>Missing Data Methods: Time Series Methods and Applications</u>
Vol. 28, 2012	<u>DSGE Models in Macroeconomics – Estimation, Evaluation, and New Developments</u>

Vol. 29, 2012	<u>Essays in Honor of Jerry Hausman</u>
Vol. 30, 2012	<u>Advances in Econometrics: 30<sup>th</sup> Anniversary Issue</u>
Vol. 31, 2013	<u>Structural Microeconometrics</u>
Vol. 32, 2013	<u>Vector Autoregressive Modeling: New Developments and Applications</u>
Vol. 33, 2014	<u>Essays in Honor of Peter C. B. Phillips</u>
Vol. 34, 2014	<u>Bayesian Model Comparison</u>
Vol. 35, 2016	<u>Dynamic Factor Models</u>
Vol. 36, 2016	<u>Essays in Honor of Aman Ullah</u>
Vol. 37, 2016	<u>Spatial Econometrics: Qualitative and Limited Dependent Variables</u>
Vol. 38, 2017	<u>Regression Discontinuity Designs</u>

### **Dissertations Supervised**

“Essays on Foreign Demand of Sovereign Debt Securities and Lon-Term Interest Rates” Yixiang Zhang, 2017

“A Text Analytics Analysis of the Federal Reserve Beige Book Corpus” Michael Fulmer, 2013

“Essays on Exchange Rate Analysis with Dynamic Factor Model and FAVAR Approach” Sumanee Suppakornkosai, 2013

“Essays on Financial Markets Using Copula Models” Jian Hu, 2010

“Three Essays on Applied Time Series Analysis for Financial Markets and Fiscal Policies” Narongchai Thitinanpong, 2010

“Essays in Corporate Governance: Liability Insurance, Shareholder Litigation, and Litigation Announcements” George Kaltchev, 2005.

“Structural Change Analysis and Forecasting of Time Series Data in Three Empirical Applications,” Limin Lin, 2004

“An Analysis and Application of Statistical Techniques to Predict and Measure Business Cycles,” Keith Phillips, 2003.

"The Role of Planning and Countercyclical Macroeconomic Policy: Korea as a Case Study," Jong Nam Oh, 1998.

"Financial Crises and Liberalizations: The Breakdown of Geographic Restrictions on U.S. Banking," Jeff Gunther, 1995.

"Data Revision and the Predictive Performance of the Index of Leading Economic Indicators," Don Freeman, 1988.

"The Cost Minimizing Industry Structure for Petroleum Refining: An Application of Contestable Market Theory and Multiproduct Cost Functions," Gary Shoesmith, 1986.

"Stein-Rule Estimation and its Use in Combination Forecasting," Subarna Samanta, 1985.

"Two Essays on the Use of Prior Information in Regression Analysis," Craig Nosal, 1983.

"Development, Planning and Optimal Control: A Case Study of the Kuwaiti Economy," Said Alawad, 1982.

"Properties and Performance of the Box-Cox Transformation," Michael Williams, 1980.

Served on numerous dissertation committees as econometrics supervisor and outside member for Statistics and Operations Research department dissertations

### **Sponsor of Student Academic Competitions and Programs**

SAS Data Mining Shootout Competitions: National Champions, 2008, 2009; Silver Medal, 2010, 2013; Bronze Medal 2017; Honorable Mention, 2011, 2014, 2015, 2016.

(An annual National Competition among U.S. Colleges and Universities in solving and writing up a solution to a "big data" problem posed by the SAS Institute of Cary, North Carolina.)

Sponsor of 2012 IBM SMART program with Andrews Distributing Company of Dallas and 2013 IBM SMART program with Exterran, Inc. of Houston, Texas. The IBM SMART (Statistics and Mining in Academics and Research in Teaching) program promotes collaborations between universities and corporations for the purpose of training students on real-world predictive analytics problems of importance to the corporations.

Sponsor of Summer 2013 and Summer 2014 4-day Predictive Analytics workshops (Joint with IBM) for 20 Townview STEM High School (of Dallas) students each year.

### **Government Appointment**

Chief Reader, Jacob K. Javits Graduate Fellowships, Economics Division. Department of Education, Washington, D.C., 1993-94, 1994-95.

**Keynote Address:** Address at the International Symposium of Forecasting June, 2003 in Merida, Mexico. "Stable Seasonal Pattern Models: History and Recent Developments."

**Invited Speaker:** Paper given at the International Symposium of Forecasting, July, 2004 in Sydney, Australia. "The Value Line Dow Jones Model: Does it Have Predictive Content?"

**Invited Speaker:** Paper given at the International Symposium of Forecasting, June 2005 in San Antonio, Texas. "Diffusion Indices: A Potentially Fruitful Application of the Direct Filter Approach."

**Invited Speaker:** “The Application of Statistical Tools to Analyze Outbreaks of West Nile Virus and Swings in the Texas Economy” given at the Perot Museum of Nature and Science, October, 17, 2014.

**Invited Speaker:** “The Wilson Model and its Application to CCAR Analysis,” given at Comerica Bank, Dallas, Texas September 11, 2015.

**Invited Speaker:** “The Elasticity of Giving by the North American UMC Membership” given at the National Association of Annual Conference Treasurers of the United Methodist Church, September 23, 2015.

**Invited Speaker:** “Data Science: The New Hybrid Discipline” given at the Dallas Association of Business Economists, February 19, 2016.

**Plenary Lecturer:** Gave three plenary lectures to the faculty, students, and alumni of Universidad Autonoma del Estado de Mexico Facultad de Economia in Toluca, City, Mexico on the occasion of the 30<sup>th</sup> anniversary of the economics department there, Aug. 12 – 14, 2002. The lectures were entitled “Specification and Forecast Evaluation of a SETAR Model of Mexico’s GDP,” “A Decision Tree Approach to Analyzing Bivariate Time Series,” and “Microeconometrics and its Growing Role in Corporate Decision-making”

**Seminars:** Numerous papers given at conferences including the American Economic Association, Econometric Society, Southern Economics Association, Operations Research Society, and Bernoulli Society. Invited speaker at various universities.

## **Grants**

\$250,000 Lilly Foundation. Title: SMU Perkins School of Theology Initiative to Address Economic Challenges Facing Future Ministers. One of several co-principal investigators.

\$120,000 Hunger Center of Texas. Title: Individual and Neighborhood Determinants of Food Insecurity among Low Income Households in North Texas. (2012 to present) Co-Principal Investigator with Professor Daniel Millimet of the SMU Economics Department

\$6,500 National Science Foundation. To support data acquisition for doctoral student’s research on Corporate Governance and its effects on Shareholder Litigation and Directors’ and Officers’ Insurance (2004 – 2005)

\$5,000 Colin Powell Fellowship from John C. Tower Center for Political Studies, SMU. To study the relationship between predominant religions in countries and how these predominant religions affect the economic development of the countries (2003 – 2004)

\$5,000 Amarillo National Bank. To support graduate student to build new coincident and leading indicators for the Amarillo, Texas economy using a state space approach. (2003 – 2004)

\$15,000 Divert Court, Dallas County, Dallas, Texas. To complete a cost-benefit study of the Divert Court Drug Rehabilitation System comparing traditional versus non-traditional adjudication methods for treating first-time drug offenders in Dallas County. (2001 - 2002)

\$4,500 Charles E. Culpepper Foundation grant to set up a real-time economics and forecasting web page for my economics and business forecasting course (1996).

\$100,000 Summerfield G. Roberts grant to fund full-time doctoral dissertation research for Ph.D. Candidates in the Department. Written and obtained while chairman of the Department, Fall 1992.

### **Book Reviews**

Time Series Techniques for Economists by Terence C. Mills, 1990, Cambridge University Press for Econometric Reviews, Vol. 9, No. 2, 1990.

Basic Issues in Econometrics by Arnold Zellner, 1984, University of Chicago Press, Chicago, Ill. for Journal of the American Statistical Association, Vol. 81, June 1986.

Econometrics and Quantitative Economics, eds. David F. Hendry and Kenneth F. Wallis, 1984 Basil Blackwell Pub. Oxford, U.K. for American Journal of Agricultural Economics, Vol. 67, Nov. 1985.

### **Referee**

Econometrica, Journal of Econometrics, Econometric Reviews, Journal of the American Statistical Association, Journal of Business and Economic Statistics, Journal of Applied Econometrics, Empirical Economics, Economic Inquiry, Communications in Statistics, American Journal of Agricultural Economics, Western Journal of Agricultural Economics, Journal of Agricultural and Resource Economics, Japan and the World Economy, Review of Financial Economics, Journal of Macroeconomics, Southern Economic Journal, Journal of Climate, Empirical Economics, Regional Science Perspectives, Journal of Media Economics, Computational Statistics and Data Analysis, Journal of Statistical Computation and Simulation, Macroeconomic Dynamics, Journal of Population Economics, American Statistician, Journal of Air and Waste Management Association, Real Estate Economics, International Review of Economics and Finance. Also National Science Foundation.

### **Consultancies**

2015. Comerica Bank, Dallas, Texas. Time Series Modeling for CCAR Analysis.

2007. Econometric Consultant to RMG Connect, Irving, Texas. Time Series Modeling of Bank Performance Variables.

2006. Econometric Consultant to the Analysis Group, Dallas, Texas. Researching the econometric methodologies of "Fraud on the Market" (10b-5) cases.

2005. Econometric Consultant to Beneficial Entrust, Dallas, Texas. Econometric Analysis of Private Equity Funds.

2005. Senior Actuarial Consultant for Agrilogic, Inc., Mansfield, Texas. Econometric Analysis and Design of Crop Insurance Programs.

2003, Fall. Consultant to WESTAT Consulting, Rockville, MD. Development of Performance and Cost Measures for government agencies.

2003, Summer. Consultant to Zale Corporation. Assisting the firm's Database Marketing Department in

building econometric models.

2002, Summer. Consultant to Blockbuster Video, Inc. Assisting the firm's Marketing Science unit in building econometric forecasting models.

2002, Summer. Consultant to the U.S. Department of Treasury in Washington, D.C. (in conjunction with the Federal Reserve Bank of St. Louis). Assisting the Office of Cash and Debt Management (OCDM) in quantifying the Office's forecast uncertainty with respect to the Federal Government's cash flow variables.

1996-1998, Econometric Consultant to KPMG, Dallas, Texas. Provide consulting on econometric models for litigation support.

1996-2002, Econometric Consultant to National Center for Policy Analysis, Dallas, Texas. Conducted a formal evaluation of the NCPA/Robbins National Health Care simulation model.

1999-2000, National Wood Flooring Association. Built an econometric model of the industry and gave a speech to the Association in April, 2000.

1999-2000, Old Castle Glass, Inc. Dallas, TX. Construction of Econometric Forecasting models.

1999, Econometric Consultant to Texas – New Mexico Power Co. Developing forecasting models for their 2000 Forecast Sales project.

1996, Fireman's Fund Insurance Company and Industrial Risk Insurers, Chicago, Ill. Helped develop an econometric time series model for assessing the economic impact of an industry plant explosion.

1996, Econometric Consultant to the City of Ennis, Texas. Advised city manager on evolution of retail trade in the trade area.

1994-96, Econometric Consultant to Brazos Electric Power Cooperative. Advised staff on construction of forecasting models for power requirements study.

1992, Economic Consultant to NationsBank. Analyzed encoder scheduling activity and routing of branch messengers for delivery of inbound checks to the bank's check clearing centers.

1989, Econometric Consultant to Association of American Railroads, Washington, D.C. Evaluated, on behalf of the Association, the econometric cost equations proposed by the Interstate Commerce Commission to serve as the basis for the Uniform Rail Costing System mandated by the Railroad Revitalization and Regulatory Reform Act.

1988, Economic Consultant to Texas Instruments Inc., Dallas, Texas. The application of new time series techniques for forecasting company sales and operations.

1981, Consultant to Educational Service Bureau of Dow Jones & Co. Wrote 1981-1982 Edition of The Wall Street Journal Index of Selected Articles in Microeconomics.

1979, Econometric Consultant for Planco, Inc., Dallas, on Department of Energy project EI-78-C-01-6347, "Energy/Economy Interactions." This contract provided a detailed comprehensive catalogue of empirical models of energy/economy interactions. Recommendations were made as to their use.

1977, Constructed and presented NSF sponsored seminar on Quantitative Methods in Economics at Bishop College, Dallas, Texas.

## University Service

Member of Council on General Education, 2016 - present  
Member of Academic Technology Council, 2015 – present  
Member of University’s Retirement Plans Advisory Council, 2013 - present  
Member of Provost’s Task Force on Data Science and Analytics, 2017 – 2018  
Member of Faculty Senate Ad Hoc Committee on Data Science and Graduate Education, 2018  
Chief Marshall for University Academic Ceremonies, January, 2009 – present  
Member of Academic Technology Council, 2015 - present  
President, Phi Beta Kappa Chapter, Gamma of Texas, 2013 - 2015  
Secretary, Phi Beta Kappa Chapter, Gamma of Texas, 2011 – 2013  
Faculty Affiliate in Residential Commons, Morrison – McGinnis, 2013 – 2014.  
Chair, Academic Policies Committee of Faculty Senate, 2013 - 2014  
President of Town and Gown Club of SMU, 2016 - 2017  
President-elect of Town and Gown Club of SMU, 2015 - present  
Treasurer of Town and Gown Club of SMU, 2006 – 2012  
Member of Town and Gown Club of SMU, 2005 – present  
Distinguished Lecturer, SMU Godbey Lecture Series, Fall 2010  
Member of Provost’s Committee on QEP (Quality Enhancement Program) for SACS accreditation  
Member of SMU Faculty Club Board 1984 – 1989 and 2010 – present  
Member of Dedman College Graduate Council, 2008 – 2011  
Member of Residential Housing Planning Task Force Committee (Provost’s Office) 2008 – 2010  
Member of Academic Program Evaluation Committee (Provost’s Office) 2006 – 2009  
Procession Marshall for University Academic Ceremonies 2004 – 2008  
Member of the Search Committee for Executive Director of Residential Life and Student Housing, 2007  
Member of Provost’s Taskforce on Honors Programming at the University, 2006 – 2007  
Member of Medieval Studies Program Evaluation Committee, Fall 2006  
Member of President’s Scholars Finalist Selection Committee (Provost’s Office) 2006 – 2007  
Member on the University’s Faculty Interview Teams for President’s Scholars Finalists, 1989-2009  
Member of University Research Council, 2006  
Chair of University Admissions Council, 2004 – 2005  
Member of Academic Policies Committee of Faculty Senate, 2004 – 2005  
Member of University Admissions Council, 2003 – 2005  
Faculty Representative to the Audit Committee, SMU Board of Trustees, 2002 – 2006  
Member of the Provost's Oversight Committee for the Master's Degree in Education, Fall 2001 – 2003  
Member of the Provost's Special Advisory Committee on Tenure for tenure-track faculty in the Master's Degree in Education Program, 2001 – 2004  
Faculty Senate Subcommittee on Admissions and Financial Aid, 2003  
Member of the Dedman College Faculty Council, 2000 – 2003  
Secretary of Dedman College Faculty Council, 2003  
Faculty Advisory Board to the Dean of Dedman College, 2003  
Chair, SMU Faculty Senate Ad Hoc Committee on Academic Excellence. Participated in establishing the academic goals for SMU's next five-year plan, 2002 – 2006 and initial planning of SMU Residential Commons System implemented in 2012.  
Member of the University Scholarship Appeals Board, SMU Office of Financial Aid, 2001 – 2002  
Faculty Representative to the Student Affairs Committee, SMU Board of Trustees, 2000-2001  
Member of the All-University Academic and Research Computing Committee: part of University's review of computer needs and SACS accreditation review, 2000 – 2001

Chair, Academic Policies Committee, SMU Faculty Senate, 2000-2001  
 Past President, SMU Faculty Senate, 2000-2001  
 Member of the SMU Central University Libraries Executive Board, 1999- 2002  
 President, SMU Faculty Senate, 1999-2000  
 Member of the Executive Board of the SMU Capital Campaign - A Time to Lead, 1999-2000  
 Trustee, SMU Board of Trustees, 1999-2000  
 Member of the Executive Committee of the SMU Board of Trustees, 1999-2000  
 Member of SMU Board of Trustee's Trusteeship Committee, 1999-2000 (responsible for the nomination of new members to the SMU Board of Trustees to be approved by the Bishops of the South Central Jurisdiction of the United Methodist Church)  
 Member of the Committee on Academic Policy, Planning & Management, SMU Board of Trustees, 1998-2000  
 Member of the Building and Grounds Committee, SMU Board of Trustees, 1999-2000  
 Member of the University's SACS accreditation team, 1999-2000  
 Faculty Participant in Mustang Corral, 1999 - present. Mustang Corral is a summer orientation program for entering SMU freshmen  
 President-elect, SMU Faculty Senate, 1998-99  
 Faculty Senate Representative on Finance Committee of SMU Board of Trustees, 1997-1999  
 Director of Undergraduate Studies, Department of Economics, 1998-1999  
 Distinguished Lecturer, SMU Godbey Lecture Series, Spring, 1999  
 At-Large Member of SMU Faculty Senate, 1991-1994, and 1996-2001  
 Member of SMU Faculty Senate's All-University Budget Committee, 1985-1986, 1991-1994, 1996-1998  
 Chairman, Department of Economics, 1991-1994, 2009 – 2010  
 Member of Faculty Senate Subcommittee on Economic Status of Faculty, 1991-92, 1996-97  
 Member of Faculty Senate Subcommittee on Employee Benefits, 1988-90  
 Member of Dean's Tenure Review Committee, Dedman College, Division II, 1988-1989  
 Director of Graduate Studies, Department of Economics, September, 1986 - August, 1987  
 Member of Dedman College Undergraduate Council, 1984-1987  
 Faculty Advisor to SMU Economics Club, 1984-1986, 1999  
 Member of Faculty Senate Committee on Faculty/Student Collegiality, 1983

### **Community Service**

Member of Economic Advisory Council on the United Methodist Church's Council on Finance and Administration, Nashville, TN, 2012 – present. Chair of the Committee, 2016 – present.

Member, Lakewood United Methodist Church 1981 - present. Former chair and current member of the Church's Administrative Council. Trustee and Secretary/Treasurer of the Lakewood United Methodist Church Foundation, 1986 - present. Sunday School teacher 1981 - present. Co-chair for \$2,500,000 capital campaign for a new family life center at the Church, 2000 - present. Active participant in the charitable activities of the East Dallas Cooperative Parish, a consortium of 10 East Dallas Churches involved in community service, one of the churches being the Lakewood United Methodist Church.

YMCA Coach in Basketball and Soccer, 1988 - 1995.

In 1985 co-founded the Lakewood United Methodist Church Developmental Learning Center for children 6 months through kindergarten and served as Board member for numerous terms. Average enrollment was 50 children and fully accredited while in operation. The center closed in March 2001 in anticipation of the building of the Church's new family life center at the former location of the Learning Center.