

**VITA**  
**James E. Ciecka**

**I. Present Positions**

Professor of Economics, DePaul University  
Co-Executive Editor, *Journal of Forensic Economics*

**II. Research**

***Refereed Papers***

“The Markov Model of Years to Final Separation from the Labor Force 2012-17: Extended Tables of Central Tendency, Shape, Percentile Points, and BSE”, with Gary Skoog and Kurt Krueger, forthcoming.

“Who Outlives Whom” *Mathematics Magazine*, forthcoming.

“The Markov Model of Labor Force Activity 2012-17: Extended Tables of Central Tendency, Shape, Percentile Points, and Bootstrap Standard Errors” 2019, with Gary Skoog and Kurt Krueger, *Journal of Forensic Economics*, 28(1), 15-108.

“The First Probability-Based Hypothesis Test and God” 2018, *Journal of Legal Economics*, 24(1-2), 43-49.

“Life Expectancies and Annuities: A Modern Look at an Old Fallacy” 2018, with Gary Skoog, *Mathematics Magazine* 91(3), 163-170.

“Expected Labor Force Activity and Retirement Behavior by Age, Gender, and Labor Force History” 2017, with Gary Skoog, *Statistics and Public Policy* 4(1), 1-8, plus Appendix and Supplementary Material.

“From Euclid, Fibonacci, Huygens, De Witt and Halley to Forensic Economics” 2017, with Timothy Opiela, *Journal of Legal Economics*, 23(2), 65-79.

“Decompositions of 1 That Incorporate Growth” 2016, with Gary R. Skoog, *Journal of Legal Economics* 22(1), 55-67.

“Decompositions of 1 Related to Term Annuities, Whole Life Annuities, and Temporary Life Annuities” 2015, with Gary Skoog, *Journal of Legal Economics*, 21(2), 39-52.

“Worklife Expectancy of Railroad Workers Based on the *Twenty-Fifth Actuarial Valuation* Using Both Competing Risks/Multiple Decrement Theory and the Markov Railroad Model,” 2015 with Gary R. Skoog, *Journal of Forensic Economics*, 25(2), 109-127.

“A Perpetuity, Life Annuity, and Life Insurance Related to a Decomposition of 1” 2014, with Gary Skoog, *Journal of Legal Economics*, 21(1), 57-65.

“Benjamin Gompertz and the Law of Mortality” 2014 *Journal of Legal Economics*, 20(1), 15-29.

“The Logistic Curve and the Logistic Probability Distribution” 2013 *Journal of Legal Economics*, 19(1), 83-95.

“Is It a Sample Or a Population? The Illustrative Case of Home Team Advantage” 2013 with John Berdell and Anthony Krautmann, *Journal of Economics and Finance Education*, 12(1), 14-24.

“Solving the Problem of Points with a Recursion” 2012 *Journal of Legal Economics*, 18(2), 120-138.

“Recursions in Forensic Economics” 2012 with Gary Skoog, *Journal of Legal Economics* 18(2), 143-160.

“An Autoregressive Model of Order Two for Worklife Expectancies and Other Labor Force Characteristics with an Application to Major League Baseball Hitters” 2012 with Gary Skoog, *Journal of Legal Economics*, 18(2), 47-78.

“Interchangeability of the median operator with the present value operator” 2012 (online availability in 2011) with Gary Skoog, *Applied Economics Letters*, 19(5), 477-481.

“The Newton-Pepys Problem: Measures of Central Tendency and Symmetry of a Binomial Distribution” 2011 *Journal of Legal Economics*, 18(1), 49-59.

“Probability Mass Functions in Forensic Economics” 2011 with Gary Skoog, *Journal of Legal Economics*, 18(10), 95-107

“The First Probability Based Calculations of Life Expectancies, Joint Life Expectancies, and Median Additional Years of Life” 2011, *Journal of Legal Economics*, 17(2), 47-58.

“The Markov Process Model of Labor Force Activity: Extended Tables of Central Tendency, Shape, Percentile Points, and Bootstrap Standard Errors” 2011 with Gary Skoog and Kurt Krueger, *Journal of Forensic Economics*, 22(2), 165-229.

“A Markov Process Model of the Number of Years Spent in Major League Baseball” 2010 with Anthony Krautmann and Gary Skoog, *Journal of Quantitative Analysis in Sports*, 6(4), 1-23.

“Measuring Years of Inactivity, Years in Retirement, Time to Retirement, and Age at Retirement within the Markov Model” 2010 with Gary Skoog, *Demography*, 47(3), 609-628.

“Daniel Bernoulli on the Measurement of Risk” 2010 *Journal of Legal Economics*, 16(2), 83-93.

“The Binomial Conception and Birth of the Normal Distribution” 2010 *Journal of Legal Economics*, 16(1),83-90.

The Principle of Least Squares and Its First Use” 2009 *Journal of Legal Economics*, 15(2), 81-89.

“A Historical Note on Some Formulae by Francis Baily” 2009 *Journal of Legal Economics*, 15(2), 75-80.

The Relation between Two Present Value Formulae” 2009 with Gary Skoog and Gerald Martin, *Journal of Legal Economics*, 15(2), 61-74.

“Present Value Functions and Recursions” 2009 with Gary Skoog, *Journal of Forensic Economics*, 21(1), 63-98.

“The Economics of Personal Injury and Wrongful Death Litigation: The State of Illinois” 2007 (published in 2009) with Gary Skoog, *Journal of Forensic Economics*, 20(3), 271-314.

“The Post-Season Value of an Elite Player to a Contending Team” 2009 with Anthony Krautmann, *Journal of Sports Economics*, 10(2), 168-179.

“Edmond Halley’s Life Table and Its Uses” 2008 *Journal of Legal Economics*, 15(1), 65-74.

“The First Mathematically Correct Life Annuity Valuation Formula” 2008 *Journal of Legal Economics*, 15(1), 59-63.

“Arithmetic Means, Geometric Means, Accumulation Functions, and Present Value Functions” 2008 with Gary Skoog, *The Earnings Analyst*, 10, 18-48.

“Comment on ‘Calculating compensation for loss of future earnings: Estimating and using work life expectancy’” 2008 *Journal of the Royal Statistical Society, Series A*, 171(4), 802.

“Comment on ‘A Note on the Steady State Assumption and Expectancy Bias’” 2008 *Journal of Legal Economics*, 14(3), 81-85.

“Allocation of Worklife Expectancy and the Analysis of Front Loading and Uniform Loading with Nomograms,” 2006 with Gary Skoog, *Journal of Forensic Economics*, 19(3), 261-296 (published September 2007).

“Worklife Expectancy Via Competing Risks/Multiple Decrement Theory” 2006 with Gary Skoog, *Journal of Forensic Economics*, 19(3), 243-260 (published September 2007).

“Worklife in a Markov Model with Full-Time and Part-Time Activity,” 2006 with Gary Skoog and Kurt Krueger, *Journal of Forensic Economics*, 19(1), 61-82.

“Interpreting the Regression Coefficient in Semilogarithmic Functions: A Note” 2006 with Anthony Krautmann, *Indian Journal of Economics and Business*, 5(1), 121-125.

“Markov Model Worklife Expectancies and Association of American Railroads Type Worklife Expectancies of Railroad Workers Based on the *Twenty-Second Actuarial Valuation* of the US Railroad Retirement Board” 2006 with Gary Skoog, *The Earnings Analyst*, 8, 13-25.

“Reconsidering and Extending the Conventional/Demographic and *LPE* Models: The *LPd* and *LPi* Restricted Markov Models” 2004 with Gary Skoog, *Journal of Forensic Economics*, 17(1), 47-94 (published June 2005).

“Competitive Balance in the Aftermath of the 1994 Players’ Strike” 2005 with Lawrence Hadley and Anthony Krautmann, *Journal of Sports Economics*, 6(4), 379-89.

“Parameter Uncertainty in the Estimation of the Markov Model of Labor Force Activity: Known Error Rates Satisfying Daubert” 2004 with Gary Skoog, *Litigation Economics Review*, 6(2), 1-27, (published January 2005).

“Probability Mass Functions for Years to Final Separation from the Labor Force Induced by the Markov Model” 2003 with Gary Skoog, *Journal of Forensic Economics*, 16(1), 51-86 (published August 2004).

“The New Gamboa Tables: A Critique” 2002 with James Rodgers and Gary Skoog, *Journal of Legal Economics*, 12(2), 61-85 (published June 2004).

“The Markov (Increment-Decrement) Model of Labor Force Activity: Extended Tables of Central Tendency, Variation, and Probability Intervals” 2001 with G. Skoog, *Journal of Legal Economics*, 11(1), 23-87 (published in 2003).

“The Markov Model (Increment-Decrement) Model of Labor Market activity: New Results Beyond Worklife Expectancies” 2001 with G. Skoog, *Journal of Legal Economics*, 11(1), 1-21 (published in 2003). Reprinted in *Economic Foundations of Injury and Death Damages*, Roger Kaufman, James Rodgers, Gerald Martin, Edgar Publishers, Cheltenham, UK, 2005.

“Probability Mass Functions for Additional Years of Labor Market Activity Induced by the Markov (Increment-Decrement) Model” 2002 with G. Skoog, *Economics Letters*, 77, 425-431 (published in 2003).

“A Markov Process Model of Work-Life Expectancies by Educational Attainment Based on Labor Market Activity in 1997-98” 2000-01 with T. Donley and J. Goldman, *Journal of Legal Economics*, 10(3), 1-21 (published in 2002).

“An Essay on the New Worklife Expectancy Tables and the Continuum of Disability Concept” 2001 with G. Skoog, *Journal of Forensic Economics*, 14(2), 2001,135-140 (published in 2002).

“A Markov Process Model of Work-Life Expectancies for Ages 66-75 Based on Labor Market Activity in 1997-98” 2000 with T. Donley and J. Goldman, *Journal of Legal Economics*, 10(2), 27-36.

“A Markov Process Model of Work Life Expectancies Based on Labor Market Activity in 1997-98” 1999-2000 with T. Donley and J. Goldman, *Journal of Legal Economics*, 9(3), 33-68.

“Work Life Expectancies of Railroad Workers” 1998 with G. Skoog, *Journal of Forensic Economics*, 11(3), 237-252.

“Work Life Expectancies of Nonsmokers, Light Smokers, and Heavy Smokers” 1998 with T. Donley, S. Epstein, and J. Goldman, *Litigation Economics Digest*, 3(2), 1998, 151-162.

“Regarding the Calculation of Lost Pension Benefits for Railroad Workers” 1998 with T. Donley, *Litigation Economics Review*, 3(1), 79-82.

“A Markov Process Model of Work Life Expectancies Based on Labor Market Activity in 1994-95” 1997 with T. Donley and J. Goldman, *Journal of Legal Economics*, 7(1), 2-25.

“Regarding Median Years to Retirement and Work Life Expectancies” 1997 with T. Donley and J. Goldman, *Journal of Forensic Economics*, 10(3), 297-310.

“The Calculation of Lost Pension Benefits for Railroad Workers” 1997 with T. Donley, *Litigation Economics Review*, 2(2), 136-150.

“A Logit Model of Labor Force Participation” 1996 with T. Donley, *Journal of Forensic Economics*, 9(3), 261-282.

“State Lotteries and Externalities to Their Participants” 1996 with S. Epstein and A. Krautmann, *Atlantic Economic Journal*, 24(4), 349-360.

“Life Expectancy and Some Properties of Survival Data” 1996 with P. Ciecka, *Litigation Economics Review*, 1(2), 19-33. Reprinted in *Life and Worklife Expectancies*, Hugh Richards and Jon Abele, Lawyers and Judges Publishing Company, Inc., Tucson, AZ, 1999. Reprinted in *Economic Foundations of Injury and Death Damages*, Roger Kaufman, James Rodgers, Gerald Martin, Edgar Publishers, Cheltenham, UK, 2005.

“Life Insurance as an Offset to Economic Losses in Wrongful Death Cases: A Final Comment” 1996 *Journal of Forensic Economics*, 9(1), 49-50.

“Analysis of Divisional Profitability Using the Residual Income Profile” 1995 with M. Frigo, *Managerial and Decision Economics*, 16(1), 33-36.

“A Markov Process Model for Work Life Expectancies of Smokers and Nonsmokers” 1995 with J. Goldman, *Journal of Forensic Economics*, 8(1), 1995, 1-12.

“Life Insurance as Offset to Economic Losses in Wrongful Death Cases: A Comment” 1995 *Journal of Forensic Economics*, 8(2), 179-180.

“Breaking the Fair Bet Barrier” 1995 with S. Epstein and A. Krautmann, *Atlantic Economic Journal*, 23(3), 231.

“Updated Estimates of Work Life Expectancies Based Upon the Increment-Decrement Model” 1995 with S. Epstein and J. Goldman, *Journal of Legal Economics*, 5(1), 1-33.

“A Comment on the Use of Value of Life Estimates in Wrongful Death Litigation” 1995 with S. Epstein, *Journal of Legal Economics*, 5(1), 75-80.

“Some New Estimates of Self-Consumption Allowances Using Service Flows” 1995 with S. Epstein and P. Ciecka, *Journal of Legal Economics*, 5(2), 1-10. Reprinted in *Economic Foundations of Injury and Death Damages*, Roger Kaufman, James Rodgers, Gerald Martin, Edgar Publishers, Cheltenham, UK, 2005.

“A Reply to a Comment on Updated Work Life Expectancies Based upon the Increment-Decrement Model” 1995 with S. Epstein and J. Goldman, *Journal of Legal Economics*, 5(3), 89-91.

“The Use of Value of Life Estimates in Wrongful Death Matters: A Rejoinder” 1995 with S. Epstein, *Journal of Legal Economics*, 5(3), 81-84.

“A Markov Process Model of Work Life Expectancies Based on Labor Market Activity in 1992-93” 1995 with T. Donley and J. Goldman, *Journal of Legal Economics*, 5(3), 17-41. Errata, *Journal of Legal Economics*, 1996 6(1), 81-85.

“A Survey of the Structure and Duration of Time Periods for Lost Earnings Calculations” 1994 *Journal of Legal Economics*, 4(2), 39-50.

“Using Pension Benefit Guaranty Corporation Tables in the Valuation of Pension Benefits: A Clarification” 1994 with M. Frigo and C. Koretke, *Journal of Legal Economics*, 4(3), 85-88.

“When Are State Lotteries a Good Bet?” 1993 with A. Krautmann, *Eastern Economic Journal*, 19(2), 157-164.

“Intra-Year Discounting Assumptions and Bias in Lost Earnings Analysis: Comment” 1993 *Journal of Forensic Economics*, 7(1), 121-123.

“Self-Consumption Allowances, Family Size and Family Structure” 1992 *Journal of Forensic Economics*, 5(2), 105-114.

“Why Hedonic Measures Are Irrelevant to Wrongful Death Litigation: Comment” 1992 *Journal of Legal Economics*, 2(2), 51-53.

“The Consideration of Progressive Taxes in Present Value Calculations for Personal Injury and Wrongful Death Cases: Comment” 1989 *Journal of Forensic Economics*, 2(2), 3-6.

“Real-Rates and Age-Earnings Models: Comment” 1988 *Journal of Forensic Economics*, 2(1), 145-146.

“Forecasting Costs in Hospitals” 1987 with M. Frigo, *Journal of Business Forecasting*, 13-16.

“Direct Monetary Losses to the Agricultural Sector from Coal-Fired Electrical Generation: A Regional Analysis” 1982 with G. Arbogast, R. Fabian and W. Page, *Energy-The International Journal*, 9, 759-768.

“The Economic Benefits of Rehabilitation” 1982 with R. Fabian and D. Merilatt, *Journal of Rehabilitation Administration*, 6(1), 5-12.

“Reply to Comments on the Economic Benefits of Rehabilitation” 1982 with R. Fabian and D. Merilatt, *Journal of Rehabilitation Administration*, 6(2), 94-95.

“Eutrophication Measures of Small Lake Water Quality Management” 1980 with R. Fabian and D. Merilatt, *Water Resources Bulletin*, 681-689.

“The Regulation of Noise in the Auto Racing Industry” 1979 with R. Fabian, *Journal of Environmental Management*, 249-260.

“A Statistical Model for Small Lake Water Quality” 1979 with R. Fabian and D. Merilatt, *Water Resources Bulletin*, 1318-1330.

### ***Monographs***

*Worklife Expectancies of Railroad Workers Based on the Twenty-Third Actuarial Valuation* 2007 with Gary Skoog, Association of American Railroads, 2007, in electronic format only.

*Estimating Regional Losses to Agricultural Producers from Airborne Residuals in the Ohio River Basin Study Region, 1976-2000* 1980 with R. Fabian, W. Page and G. Arbogast, USEPA, 1980, 144 pages.

*Economic Impact of Proposed Phosphorus Regulations* 1978 with R. Fabian, D. Merilatt and T. Murphy, Illinois Institute for Environmental Quality, 120 pages.

*Economic Impact of Proposed Motor Racing Regulations* 1977 with R. Fabian and R. Zerbe, Illinois Institute for Environmental Quality, 286 pages.

*Economic Impact of Combined Sewer Overflows* 1976 with R. Zerbe, Illinois Institute for Environmental Quality, 63 pages.

### ***Chapters in Books***

“Evolution of Worklife Expectancy Measurement” 2016 with Gary Skoog, *Forensic Economics: Assessing Personal Damages in Civil Litigation*, Edited by Frank Tinari, Palgrave, Macmillan, 33-56.

“Markov Worklife Table Research in the United States” 2009 with Gary Skoog *Personal Injury and Wrongful Death Damages Calculations: Trans-Atlantic Dialogue*, Edited by John Ward and Robert Thornton, Emerald Press, 135-158.

“Recent Developments in Measuring Labor Market Activity” 2006 with G. Skoog, *Recent Developments in Litigation Economics*, Edited by Patrick Gaughan and Robert Thornton, Elsevier Press (JAI), 119-157.

“Some Interactive Computer Programs for and Introductory Econometrics Course” 1978 *Computer Science Education*, Educational Technology Publications, Inc., 268-276.

### ***Other Papers***

“Work Life Estimates at Millennium’s End: Changes Over the Last Eighteen Years” 2000 with T. Donley and J. Goldman, *Illinois Labor Market Review*, 6(2).

“Work Life Estimates for the Nineties: What Changes Have Occurred since the 1980’s?” 1996 with T. Donley and J. Goldman, *Illinois Labor Market Review*, 2(3), 1996, 1, 5-7.

Applying LOTUS 1-2-3 to Cost Regression Analysis” 1991 with M. Frigo, *Corporate Controller*, 4(1), 49-53.

“Teaching Regression in Managerial Accounting Courses: Applications Using Lotus 1-2-3” 1988 with M. Frigo, *The Journal of Midwest Accounting*, 2(1), 38-44, paper also presented at the meeting of the Midwest Business Administration Association, March, 1988.

“The Adequacy of a Personal Injury Award Invested in Common Stocks” 1986 *Personal Injury Desk Book*, 610-615.

“Estimating the Costs of Children in Wrongful Birth Case,” 1984 *Trial Lawyer’s Guide*, 28(3), 297-302.

“A Critique of a Present Value Methodology Producing Greatly Exaggerated Estimates of Lost Earnings” 1983 *For The Defense*, 21-24.

“The Economic Value of a Housewife” 1983 *Personal Injury Desk Book*, 736-750.

“A Comparison of Lump-Sum and Structured Settlements” 1983 *The Trial Lawyer’s Guide*, 27(3), 450-456.

“Estimation of Economic Losses to the Agricultural Sector from Airborne Residuals in the Ohio River Basin” 1982 with G. Arbogast, R. Fabian and W. Page, *Air Pollution Control Association Journal*, 32(2), 151-159, paper presented at the 74th Annual Meeting of the Air Pollution Control Association, June, 1981.

### ***Proceedings of Meetings, Book Reviews, Newsletters, and Newspaper Articles***

“Beautiful Equations,” 2017 *The Forecast*, 31(3) 11.

Book review of *Expert Economic Testimony: Reference Guides for Judges and Attorneys*, by Thomas Ireland, et al., 1999 *Journal of Forensic Economics*, 12(1), 67-69.

“Economist Reviews Arguments Over Hedonic Damages,” 1991 *Chicago Daily Law Bulletin*, August 5, page 2.



Book review of *The Cost's of Children*, by L. Olson, *Review of Social Economy*, 42(2), 190-192.

Book review of *Fundamentals of Economics*, by S. Pejovich, 1982 *Review of Social Economy*, 40(1), 76-78.

"Estimating Cost Behavior Relationships in Hospitals: A Case Study" 1987 with M. Frigo, paper presented and abstract in Proceedings of the Midwest Business Administration Association Meeting, 69-70.

"Medical Malpractice Under The New Illinois Statute -- Structured Aspects of Verdicts" 1985 paper presented and printed in Medical Malpractice Under the New Illinois Statute, Illinois Institute for Continuing Legal Education, pages 3.1-3.12.

"The Impact of Marketing Educational Vouchers," 1983 with Anthony Petto, Proceedings of the 7th Annual Conference of the American Academy of Marketing Science, page 624.

"The Use of Quantitative Methods in Business Decision Making: A Survey," 1973 with J. Comer and C. DaSilva, American Institute for Decision Sciences Proceedings, pages 192-195.

### ***Papers Presented***

"The Markov Model of Labor Force Activity 2012-17: Extended Tables of Central Tendency, Shape, Percentile Points, and Bootstrap Standard Errors" 2019, with Gary Skoog and Kurt Krueger, Allied Social Science Association, Atlanta, GA.

"Worklife Expectancies in 2010-15" 2016 with Gary Skoog and Kurt Krueger, Allied Social Science Association, San Francisco, CA.

"Mortality Induced Worklife Expectancy Reductions from Medical Conditions" 2012 with Gary Skoog and Robert Shavelle, Allied Social Science Association, Chicago, IL.

"The Markov Process Model of Labor Force Activity: Extended Tables of Central Tendency, Shape, Percentile Points, and Bootstrap Standard Errors" 2011 with Gary Skoog and Kurt Krueger, Allied Social Science Association, Denver, CO.

"The Average Age at Retirement" 2011 with Gary Skoog, Western Economics Association, San Diego, CA.

"Worklife Tables Updated to reflect the Last Decade" 2010 with Gary Skoog, Atlanta GA.

"New Developments in Worklife Expectancy" 2009 with Gary Skoog, Allied Social Science Association, San Francisco, CA.

"Francis Galton: Regression to the Mean" 2009 Allied Social Science Association, San Francisco, CA.

"Worklife Expectancy and Related Years of Activity Characteristics for High

School Dropouts Without GED's, Dropouts with GED's, and High School Graduates: More Nonequivalence" 2009 with Kurt Krueger and Gary Skoog, Western Economics Association International, Vancouver, B.C.

Present Value Recursions" 2008 with Gary Skoog, Allied Social Science Association, New Orleans, LA.

"Worklife Expectancy Via Competing Risks/Multiple Decrement Theory with an Application to Railroad Workers" 2007 with Gary Skoog, Allied Social Science Association, Chicago, IL.

"Worklife in a Markov Model with Full-Time and Part-Time Activity" 2006 with G. Skoog and K. Krueger, Allied Social Science Association, Boston, MA.

"Probability Mass Functions and Their Characteristics for Years of Inactivity, Years in Retirement, and Years to Retirement within the Markov Model" 2005 with G. Skoog, Allied Social Science Association, Philadelphia, PA.

"Years of Addition Life Characteristics, Annuity Inequalities and Annuity Theorems" 2005 with G. Skoog, American Association of Economic and Financial Experts, Las Vegas, Nevada.

"The Economics of Personal Injury and Wrongful Death Litigation: The State of Illinois" 2005 with G. Skoog, Western Economics Association, San Francisco, California.

"Reconsidering and Extending the Conventional/Demographic and *LPE* Models: The *LPd* and *LPi* Restricted Markov Models" 2004 with G. Skoog, Allied Social Science Association, San Diego, CA.

Member of a four person panel presentation on "Damage Analysis in Railroad (FELA, (Federal Employers Liability Act) Personal Injury Litigation" 2004 American Rehabilitation Economics Association, Reno, Nevada.

"Years of Activity and Years to Final Separation Probability Mass Functions" 2004 with Gary Skoog, American Rehabilitation Economics Association, Reno, Nevada.

Member of a six person panel presentation on "Damage Analysis in Railroad (FELA, (Federal Employers Liability Act) Personal Injury Litigation" 2004 American Association of Economic and Financial Experts, Nashville, Tennessee.

"Worklife Expectancies: First Order Corrections for Front Loading" 2004 with G. Skoog, Missouri Valley, Economics Association, 41<sup>st</sup> Annual Conference, Nashville, Tennessee.

"The New Gamboa Tables: A Critique" 2002 with G. Skoog and J. Rodgers, Allied Social Science Association.

“A Logit Model of Labor Force Participation” 1996 with T. Donley, Western Economics Association.

“The Residual Income Profile: A Pedagogical Approach” 1995 with M. Frigo, Southeast American Accounting Association.

“Estimating Regional Welfare Losses to Agricultural Producers Associated with Airborne Residuals in the Ohio River Basin Energy Study Region” 1980 with R. Fabian and W. Page, Eastern Economic Association.

“Crime in the Suburbs: A Factor Analytic Approach,” 1977 with R. Fabian and D. Merilatt, Western Economic Association.

“An Economic Analysis of Motor Racing Noise” 1977 with R. Fabian, Atlantic Economic Association.

“Educational Vouchers: An Empirical Analysis” 1974 with A. Petto, Western Economic Association.

### **III. Teaching Areas**

Undergraduate level courses taught: economics principles, intermediate microeconomic theory, econometrics, mathematical economics, and statistics.

Master’s level courses taught: microeconomic theory, econometrics, mathematical economics, classical time series analysis, Box-Jenkins analysis, managerial economics, mathematics and statistics for MBA students.

### **IV. Administrative Work at DePaul University**

Chairman, Department of Economics, 1989-1995.

Acting Chairman, 1988-89 academic year; Summer, 1986; Summer, 1985; Summer, 1984; Spring, 1975.

Chairman, Department of Economics: 1971-72 academic year.

University Promotion and Tenure Board, 1996-2000.

University Benefits Committee, 1992-94.

Provost Search Committee, 1993-94.

Faculty Affairs Committee, 1987-88.

University Promotion and Tenure Board, 1984-87.

College of Commerce Dean Evaluation Committee, 1983.

Liberal Studies Council, 1981-83.

University Academic Computing Planning Committee, 1979-81.

College of Commerce Dean Search Committee, 1978.

Chairman, Committee on Untenured Economics Faculty, 1976-1988.

Graduate Council, 1971-72.

**V. Other Activities**

Organizer of National Association of Forensic Economics Program, Allied Social Science Association Meetings, Chicago, IL, 2007.

Chairman, Applied Microeconomics Session, Illinois Economic Association Meetings, October, 1981.

Chairman, Local and Regional Economics Session, Illinois Economic Association Meetings, November, 1975.

Organizer and professor-in-residence for the DePaul University London Summer Program, August 1975.

Seven appearances before the Illinois Pollution Control Board.

Economic consultant for an input-output study of the economy of Kuwait. Field work in Kuwait, January-March 1975.

**VI. Education**

BS, Economics, DePaul University, 1966

MS, Economics, Purdue University, 1969

PhD, Economics, Purdue University, 1970

**VII. Contact Information**

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