

# Robert Rosenman

December 2016

School of Economic Sciences  
Washington State University  
Pullman, Washington 99164-6210  
(509) 335-1193  
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## **EMPLOYMENT:**

Professor of Economics, Washington State University, 1997-present.

Interim Director, School of Economic Sciences, 2010-2011.

Associate Director, School of Economic Sciences, 2004-2010.

Economics Department Chair, 2003-2004.

Economics Department Graduate Program Director, 1994-2003.

Associate Professor of Economics, Washington State University, 1989-1997.

Assistant Professor of Economics, Washington State University, 1983-1989.

Assistant Professor of Economics, University of New Hampshire, 1982-1983.

## **Fields:**

Applied Microeconomics and Econometrics with specialization in Health Economics. Other areas of interest include Industrial Organization, Natural Resources, and Public Policy.

## **EDUCATION:**

B.A., University of Pennsylvania, Philadelphia, Pennsylvania, 1975;

M.A., University of Pennsylvania, Philadelphia, Pennsylvania, 1977;

Ph.D., University of Minnesota, Minneapolis, Minnesota, 1982;

Dissertation: *Equilibrium Analysis in Stochastic Fishery Economics*

## **REFEREED JOURNAL ARTICLES AND BOOK CHAPTERS**

“Retirement, Personality and Well-Being” with Dusanee Kesavayuth and Vasileios Zikos, *Economic Inquiry*, 54(2) 2016:733-750.

“Systematically Misclassified Binary Dependent Variables” with Vidhura Tennekoon, *Communications in Statistics – Theory and Methods*, 45(9) 2016: 2538-2555.

“Tax Advantaged Savings for Healthcare: Good for your pocketbook, bad for your health?” with Rashmita Basu, *International Journal of Behavioural and Healthcare Research*, 5(1) 2015: 41-51.

"Opioid Misuse Among Adolescents: New Evidence from a Misclassification analysis" with Sean Murphy and Dan Friesner, *Applied Health Economics and Health Policy*, 13(2) 2015: 181-192.

"Pot Calling the Kettle Black: A Comparison of Measures of Current Tobacco Use" with Vidhura Tennekoon, *Applied Economics*, 47(5) 2015: 431-448.

"Personality and Health Satisfaction" with Dusanee Kesavayuth and Vasileios Zikos, *Journal of Behavioral and Experimental Economics*, 54(1) 2015: 64-73.

"Firm Response to the Crises of 2009" with Sean Murphy and Dan Friesner, *International Journal of Social Ecology and Sustainable Development*, 5(1) 2014: 92-110.

"Bidirectional Causality in Oil and Gas Markets" with Marketa Halova Wolfe, *Energy Economics*, 42(1) 2014: 325-331.

"Behold, a Virgin is with HIV! Misreporting Sexual Behaviour among Infected Adolescents" with Vidhura Tennekoon, *Health Economics*, 23(3) 2014: 345-358.

"Altruism and Informal Care" with Rashmita Basu, *International Journal of Social Science Studies*, 2(1) 2014: 70-82.

"On the Demand for Nursing Labor in Hospital Pharmacies" with Sean Murphy and Dan Friesner, *International Journal of Services, Economics and Management*, 5(3) 2013: 179-202.

"Reimbursement and Investment: Prospective Payment and For-Profit Hospitals' Market Share" with Seungchul Lee, *Journal of Industry, Competition and Trade*, 13(4) 2013: 503-518.

"Selection Effects and Prevention Program Outcomes" with Laura Hill, Bidisha Mandal and Vidhura Tennekoon, *Prevention Science*, 14(6) 2013: 557-569.

"Inferring the Incidence of Industry Inefficiency from DEA Estimates" with Dan Friesner and Ron Mittelhammer, *European Journal of Operational Research*, 24(2) 2013: 414-424.

"Patients' Perceptions and Treatment Effectiveness: A Reassessment using Generalized Maximum Entropy" with Dan Friesner and Sean Murphy. *Applied Economics Letters*, 19(13) 2012: 1243-1248.

"Participation in Universal Prevention Programs" with Scott Goates and Laura Hill. *Applied Economics*, 44(2) 2012: 219-228.

"Measuring Bias in Self-Reported Data" with Vidhura Tennekoon and Laura G. Hill. *International Journal of Behavioural and Healthcare Research*, 2, 2011: 320-332.

"Patients' Perceptions and Treatment Effectiveness" with Sean Murphy, Dan Friesner and Jon Yoder, *Applied Economics*, 43(24) 2011: 3275-3288.

"The Public Finance of Healthy Behavior," *Public Choice*, 147(1-2) 2011: 173-188.

"Idiopathic Intracranial Hypertension in the U.S.: the Role of Obesity in Establishing Prevalence and Healthcare Costs" with Dan Friesner, Brenna Lobb and Emanuel Tanne. *Obesity Reviews*, 12(5) 2011: e372-e380. DOI: 10.1111/j.1467-789X.2010.00799.x.

"Measuring Shared Inefficiency Between Hospital Cost Centers" with Sean Murphy, Dan Friesner and Matt McPherson. *Medical Care Research and Review*, 68(1S) 2011: 55S-74S.

"Productivity Growth and Convergence in U.S. Agriculture: New Cointegration Panel Data Results" with Yucan Liu, Richard Shumway and Eldon Ball, *Applied Economics*, 43(1) 2011: 91-102.

"A Cautionary Note on the Use of Perceived Pain Scores in Health Outcomes Research" with Sean Murphy, Dan Friesner and Janet Raisor. *International Journal of Behavioural and Healthcare Research*, 2(2) 2010: 123-135.

"Detecting Selection Effects in Community Disseminations of Universal Family-Based Prevention Programs" with Laura Hill and Scott Goates, *American Journal of Public Health*, 100(4) 2010: 623-630.

"Are Hospital Pharmacies More Efficient if They Employ Nurses?" with Dan Friesner and Matt McPherson. *Economic Bulletin*, 30(1) 2010: 1-14.

"The Economic Impact of Pharmacy Practice Graduates on a Regional Economy: Some Estimates from Eastern Washington" with Dan Friesner and Carl S. Bozman, *American Journal of Pharmaceutical Education*, 73(3) 2009: Article 46.

"Determining Factors in the Treatment Choice of Patients with Hypertension with Complications and Secondary Hypertension" with Sean Murphy and Dan Friesner, *International Journal of Health Care Quality Assurance*, 22(4) 2009: 322-339.

"Do Hospitals Practice Cream Skimming" with Dan Friesner. *Health Services Management Research*, 22(2009): 39-49.

"Efficiency of Thai Public Hospitals During the Introduction of National Health Insurance Program," with Rajitkanook Amy Puenpatom, *Health Care Management Science*, 11(2008): 319-338.

"Are Hospitals Seasonally Efficient? Evidence from Washington State," with Dan Friesner and Matthew McPherson, *Applied Economics*, 40(2008): 699 – 723.

"Perceived Need and Actual Demand for Health Insurance in Rural China," with Hong Wang, *China Economic Review*, 18(2007): 373-388.

"Welfare Recipient Work Choice and In-Kind Benefits in Washington State," with Dan Axelsen, Dan Friesner and Hal Snarr, *Applied Economics*, 39(2007): 1021-1036.

"Does a Single Casemix Index Fit all Hospitals? Empirical Evidence from Washington State," with Dan Friesner and Matthew McPherson, *Research in Healthcare Financial Management*, 11(2007): 35-55.

"Do Public Health Policies Reduce the Spread of Infectious Diseases or Merely Induce Substitution?" with Dan Friesner and Peter Cashel, *International Economics and Finance Journal*, 1(2006): 122-155.

"Do Health Care Providers Quality Discriminate? Empirical Evidence from Primary Care Outpatient Clinics," with Dan Friesner and Chris Stevens, *Eastern Economic Journal*, 31(2005): 649-670.

"Property Rights and Mixed Competition in Health Care: A Counter-Example Revisited," with Dan Friesner and Chris Stevens, *The Journal of Business Economics Research*, 6(2005).

"The Relationship between Service Intensity and the Quality of Health Care," with Dan Friesner, *Health Services Management Research*: 18(2005): 41-52.

"The Effects of Government Reimbursement on Hospital Costs: Some Empirical Evidence from Washington State," with Dan Friesner and Matt McPherson, *Mountain Plains Journal of Business and Economics*, 6(2005): article 2, pp. 22-48.

"Commitment and Discretion in Health Care Policy Making," with Dan Friesner, *BEP Topics in Economic Analysis & Policy*: 1(2004):article 5.

"Scope and Scale Inefficiencies in Physician Practices," with Dan Friesner, *Health Economics*: 13(2004):1091-1116.

"Nonprofit Cost Adjusting with Quality as a Private Good," with Dan Friesner, *Applied Economics*: 36(2004):511-523.

"Inpatient-Outpatient Cost Shifting in Washington Hospitals," with Dan Friesner, *Health Care Management Science*, 7(2004):17-26.

"A Dynamic Property Rights Theory of the Firm," with Dan Friesner, *International Journal of the Economics of Business*, 9(2002): 311-333.

"Buying Healthcare Quality with Grants and Donations," with Tong Li, *Health Care Management Science*, 5(2002): 25-32.

"Cost Shifting Revisited: The Case of Service Intensity," with Dan Friesner, *Health Care Management Science*, 5(2002): 15-24.

"Estimating Hospital Costs with a Generalized Leontief Function," with Tong Li, *Health Economics*, 10(2001): 523-538.

"The Property Rights Theory of the Firm and Mixed Competition: A Counter Example in the U.S. Healthcare Industry," with Dan Friesner, *International Journal of the Economics of Business*, 8(2001): 437-450.

"Cost Inefficiency in Washington Hospitals: A Stochastic Frontier Approach Using Panel Data," with Tong Li, *Health Care Management Science*, 4(2001): 73-81.

"Measuring the economic costs of antimicrobial resistance in hospital settings: Summary of the Centers for Disease Control and Prevention - Emory workshop," with D. Howard, R. Cordell, et.al., *Clinical Infectious Diseases*, 33(2001): 1573-1578.

"Grants and Cost Shifting in Outpatient Clinics," with Tong Li and Dan Friesner, *Applied Economics*, 32(2000): 835-843.

"Causes of Cost Inefficiency in HMOs," with Kris Siddharthan and Melissa Ahern, *International Journal of Health Care Quality Assurance*, 13 (2000): 162-169.

"Data Envelopment Analysis to Determine Efficiencies of HMOs," with Kris Siddharthan and Melissa Ahern, *Health Care Management Science*, 3(2000): 23-29.

"Winning and Management for Streaks," with Rod Fort, *Proceedings of the Joint Statistical Meetings: Section on Statistics in Sports*, (Alexandria, VA: American Statistical Association), 1999.

"Streak Management," with Rod Fort, in John Fizel, Elizabeth Gustafson and Lawrence Hadley (eds.) *Sports Economics: Current Research* (Westport, CT: Praeger Publishers), 1999.

"Using Revealed Preference to Evaluate the Reservation Wage and the Value of Leisure," with Phyllis Isley, *Litigation Economics Digest*, 3(1998): 61-67.

"The Impact of Ownership on Health Services in HMOs," with Melissa Ahern and Kris Siddharthan, *Health Manpower Management*, 6(1997): 216-222.

"Output Efficiency of Health Maintenance Organizations in Florida," with Melissa Ahern and Kris Siddharthan, *Health Economics*, 6(1997): 295-302.

"An Economic Analysis of the Value of Lost Health," with Phyllis Isley, *Journal of Legal Economics*, 7(1997): 26-47.

"Predictors of HMO Efficiency," with Melissa Ahern, et. al. *Applied Economics*, 28(1996): 1381-1390. (Anbar "Citation of Excellence" for Research Implications.)

"Laboratory-Based Experimental and Demonstration Initiatives in Teaching Undergraduate Economics," with Scott Cardell, Rodney Fort, et. al., *AEA Papers and Proceedings*, 86(1996): 454-459.

"Rethinking the Value of Lost Health," with Rodney Fort, *Journal of Legal Economics*, 5(Spring/Summer 1995): 63-73.

"Health Plan Effects on Inpatient Resource Use: Some Contrary Evidence About IPAs," *The Journal of Socio-Economics* (formerly *The Journal of Behavioral Economics*) 22(1993): 131-140.

"Another Look at the Study of Regulatory Forms and Outcomes," with Rodney Fort, *The Journal of Economic Education*, 24(1993): 39-52.

"Perception Costs and NIMBY," with William Budd and Rodney Fort, *The Journal of Environmental Management*, 38(1993): 185-200.

"The Facilitation of Nuclear Siting: Compensation Lessons from Japan," with Rodney Fort and William Budd in George Hinman and Thomas Lowinger (eds.), *Nuclear Power at the Crossroads*. Boulder, CO: International Research Center for Energy and Economic Development, (1993).

"Economic Value of Restricted Fringe Benefits: A Reply," *The Journal of Forensic Economics*, 5(1992): 173-176.

"The Correct Value of Social Security Contributions in Personal Injury and Wrongful Death Settlements," with Rodney Fort, *The Journal of Forensic Economics*, 5(1992): 149-158.

"Quality Differentials and Prices: Are Cherries 'Lemons'?" with Wesley Wilson, *The Journal of Industrial Economics*, 39(1991): 649-658.

"Restricted Fringe Benefits and Their Economic Value in Personal Injury and Wrongful Death Settlements," *The Journal of Forensic Economics*, 4(1991): 215-224.

"Impacts of Recreational Fishing on the Commercial Sector: An Empirical Analysis of Atlantic Mackerel," *Natural Resource Modeling*, 5(1991): 239-258.

"Risk Externalities, Compensation, and Nuclear Siting in Japan," with William Budd and Rodney Fort, *The Environmental Professional* 12(1990): 208-213.

"Perceptions, Fear and Economic Loss: An Application of Prospect Theory to Environmental Decision Making," with William Budd and Rodney Fort, *Policy Sciences* 21(1988): 327-50.

"Fishery Regulation Under Rational Expectations and Costly Dynamic Adjustment," with Charles H. Whiteman, *Natural Resource Modeling*, 1(1987): 297-320.

"Structural Modeling of Expectations and Optimization in a Fishery," *Natural Resource Modeling*, 2(1987): 245-258.

"The Optimal Tax for Maximum Economic Yield: Fishery Regulation Under Rational Expectations," *Journal of Environmental Economics and Management*, 13(1986): 348-362.

"Predictable Behavior in Financial Markets: Some Evidence in Support of Heiner's Hypothesis," with Fred R. Kaen, *American Economic Review*, 76(1986): 212-220.

"An Empirical Test of Overshooting and Undershooting in the Foreign Exchange Markets," with George Hachey and Fred R. Kaen, *Midwestern Journal of Business and Economics*, 1(1985): 28-37.

"Memory in Commodity Futures Contracts," with Billy P. Helms and Fred R. Kaen, *Journal of Futures Markets*, 4(1984): 559-567.

Reports and Non-refereed Publications

"Hitting the 'T': Regulating Crop Rotation for Soil Management Policy" *Khon Kaen University Journal of Management Science*, 2(2003): 40-62.

"Medical Practice Data Project 2001, Final Report," with Barry Hicks, Washington State Medical Association, 2001.

"Medical Practice Data Project 2000, Final Report," with Barry Hicks and Joseph Coyne, Washington State Medical Association, 2000.

"Estimating the Value of Health Improvements in Washington and Oregon," with Rajiv Sharma and James. P. Ziliak, Oregon Health Sciences Foundation, 2000.

"Reforming Our Health Care System: Straight Talk About Washington's Health Care Reform Law," *CBE Dividend*, Vol. 10, No. 2, Summer 1994.

"Mental Health Resource Use and Crisis Respite Care, 1990 and 1991," with Rodney Fort and John McRae, Eastern Washington Institute of Mental Health, 1993.

"Final Report of the Ad Hoc Citizens Committee for Community Health Care Needs," Pullman Memorial Hospital, 1991.

"Radon: Residential Attitudes toward the Risk," with Rodney Fort, George Hinman, and Philip Wandschneider, *Energy Efficiency in Buildings*, (American Council for an Energy Efficient Economy, 1990).

"Review of 'Hospital Consolidation Analysis Report'," with Rodney Fort, Pullman Memorial Hospital, 1989.

"Market Power, Cost-Shifting, and the Provision of Medical Services in Spokane, WA," with Rodney Fort and William Hallagan, *Proceedings of the 23rd Annual Pacific Northwest Regional Economic Conference*, 1989.

"Optimal Resource Policy with Feedback from States: The Case Under Rational Expectations, A Summary" *Natural Resource Modeling and Analysis*, Anthony T. Charles and George N. White III, editors, by the Centre for Resource Systems and Analysis, 1989.

*Spokane Quarterly Employment and Wage Income Forecasts*, Spokane Economic Development Council, beginning Spring 1989.

"Washington State's Economic Reliance on Defense Industries: County Analysis," Washington State Institute for Public Policy, 1988.

"Evaluating Some 'Hidden' Costs of a High Level Nuclear Waste Repository: Prospect Theory in Environmental Decision Making," with Rodney Fort and William Budd, *AERE Newsletter*, Vol. 8, No. 1, June 1988.

"Understanding Washington State Unemployment: Can Policymakers Have an Impact?" with Greg Duncan and Duane Leigh, Washington State Legislature, 1987.

"Productivity and Soil Management for Maine Potato Farmers," with Douglas J. Lawrence, April, 1986.

"Economics of Soil Conservation: Efficiency vs. Equity," with Douglas Lawrence, *Proceedings of a Conference on the Economics of Soil Conservation*, Department of Agriculture, New Brunswick, Canada, 1986.

"Risk of Economic Loss Due to Failure or Perceived Failure of a High Level Nuclear Waste Repository," with Rodney Fort and William Budd, Washington State Institute for Public Policy, 1986.

"Testing Exogeneity in an Intertemporal Utility Maximizing Model of Savings," with Phylis Isley, *Proceedings of the 1st Pacific Northwest Conference*, National Social Science Association, 1986.

"A Multiple Granger Causality Test in the Internal and External U.S. Dollar Markets," with Fred R. Kaen, *Proceedings of the 1st Pacific Northwest Conference*, National Social Science Association, 1986.

WSU Economic Forecast Model Predicts Higher Unemployment" *Puget Sound Business Journal*, January 14, 1985.

"Econometric Model of the Aroostook County, Maine Potato Market," with Douglas Lawrence, Soil Conservation Service, 1985.

*Economic Forecasts for the State of Washington*, College of Business and Economics, Washington State University, Quarterly Reports, 1984-1986.

"The Assessment of the Patient Appointment System," Analytic Services Inc., 1978.

"A Macro-Level Model of the Military Health Care System," Analytic Services Inc., 1978.

"Regional Allocation of Health Care Resources," Leonard Davis Institute of Health Economics, University of Pennsylvania, 1977.

### Teaching Publications

*Study Guide to Accompany Microeconomics by Katz and Rosen*, McGraw Hill, 1998.

*Instructor's Manual for Microeconomics by Katz and Rosen*, McGraw Hill, 1998.



## **GRANTS AND FUNDING (BY TYPE)**

### ***I. External Research Funding***

National Institutes of Health, 2009 (Development of Econometric Models for Improved Estimation of Prevention Program) with Laura Hill. \$396,053.

Washington State Medical Association, 2001 (Medical Practice Data Project 2001) with Barry Hicks. \$38,000.

University of Washington and Washington State Department of Social and Health Services, 2000 (Primary Care Provider Study) with Barry Hicks. \$17,972.

Washington State Medical Association, 2000 (Medical Practice Data Project 2000) with Barry Hicks and Joe Coyne. \$34,093.

Oregon Health Sciences Foundation, 2000 (Estimating the Value of Health Improvements in Washington and Oregon) with Rajiv Sharma and James. P. Ziliak, \$23,000.

The Washington Institute for Mental Illness Research and Training, 1992 (Benefit-Cost Analysis of Crisis Respite Care at the Spokane Community Mental Health Center) with Rodney Fort. \$14,850.

Spokane Economic Development Council, 1988-89 (Forecasting Model for Spokane), with Fred Inaba. \$10,000.

Resources for the Future, 1988-89 (The Cost of Discretionary Policy: Empirical Analyses of Natural Resource Markets). \$30,000.

National Science Foundation, 1986-88 (Behavioral Models of Soil Management Decisions: Econometric Analysis and Policy Development). \$45,000.

Washington State Institute for Public Policy Studies, 1986 (Risk of Economic Loss Due to Failure or Perceived Failure of A High-Level Nuclear Waste Repository) with Rodney Fort and William Budd. \$5000.

Soil Conservation Service, 1984-86 (Econometric Model for the Aroostook County, Maine Cropland Management Study). \$32,000.

### ***II. Internal Research Funding***

WSU Boeing Grant, 1997 (Virtual WSU Teaching of Econ 101 and Econ 102: Economics Principles in an Asynchronous Format), with Joerding and Fort. \$25,000.

College of Business and Economics, Washington State University, 1996 (Linking the Multimedia Classroom and the Internet for Principles of Economics). \$5000.

Washington State University Office of the Vice Provost for Human Relations and Resources, 1994 (Integrating Diversity into the Curriculum - Differential Effects of Macroeconomic Policy). \$1000.

Washington State University Office of Grants and Research Development, 1989 (The Economics of Health Care Provision). \$3000.

Washington State University Office of Grants and Research Development, 1986 (Behavioral Models of Soil Management Decisions). \$3000.

Washington State University Office of Grants and Research Development, 1984 (Multiple Species Regulation in an Open Access Fishery). \$10,000.

### **III. External Travel Support**

Fullbright Senior Specialist, 2003, (Khon Kaen University Faculty of Management, Thailand). \$5500.

Fulbright Senior Specialist, 2003 (Warsaw University Department of Economics, Poland). \$4900.

Centers for Disease Control, 2000 (Invited and sponsored participant in workshop on “The costs of antimicrobial resistance in healthcare settings,”). \$2500.

### **IV. Internal Travel Support**

Internationalization Mini-grant, International Programs, Washington State University, 2002 (Role of Health Systems in Economic Development). \$500.

Boeing Travel Grant, College of Business and Economics, Washington State University, 2001 (Research Programs with Universities in Thailand). \$2000.

Boeing Travel Grant, College of Business and Economics, Washington State University, 2000 (Joint Educational and Research Programs with universities in Thailand). \$2000.

### **EDITORIAL DUTIES**

*Economic Inquiry*, Co-Editor

*International Economics and Finance Journal*, Editorial Board

*Review of Development and Cooperation*, Editorial Board

### **REFEREING (selected)**

<i>Review of Economics and Statistics</i>	<i>National Science Foundation</i>
<i>Applied Economics</i>	<i>Journal of Business and Economics</i>
<i>Journal of Health Economics</i>	<i>Review of Business and Economics</i>
<i>Health Economics</i>	<i>Dynamics and Control</i>
<i>Health Care Management Science</i>	<i>Journal of Forensic Economics</i>
<i>Berkeley Electronic Journals in Policy Analysis</i>	<i>Journal of Legal Economics</i>
<i>The Eastern Economic Journal</i>	<i>Journal of Managed Care</i>

<i>Health Services Research</i>	<i>Journal of Regional Science</i>
<i>BioMed Central Health Services Research</i>	<i>Journal of Sports Economics</i>
<i>International Economics and Finance Journal</i>	<i>Energy Journal</i>
<i>Journal of Environmental Economics and Management</i>	<i>Health Policy</i>
<i>Midwestern Journal of Business and Economics</i>	<i>Natural Resource Modeling</i>
<i>Journal of Economic Education</i>	<i>Social Science and Medicine</i>
<i>Regional Science and Urban Economics</i>	McGraw Hill
<i>The Journal of Industrial Economics</i>	Dryden Press

## **HONORS**

Washington State University Sahlin Faculty Excellence Award for Leadership, 2011-12.

Washington State University University Honor's College Outstanding Thesis Advisor, 2011.

Distinguished Paper Award in Economics, MBAA International Conference, March 2010, for "Patients' perceptions and treatment effectiveness: A reassessment using generalized maximum entropy," with Dan Friesner and Sean Murphy.

Dean's Excellence Fellow, 2003, 2004.

Inductee, Hall of Honor, John P. Stevens High School, 2002.

Listed in *Who's Who in Science and Engineering*, 2003. *Who's Who in America*, 2002-present.

Invited and sponsored participant in Centers for Disease Control workshop on "The costs of antimicrobial resistance in healthcare settings," 2000.

Anbar Electronic Intelligence Citation of Excellence for Research Implications for the paper "Predictors of HMO Efficiency," with Melissa Ahern, et. al. *Applied Economics*, 28(1996): 1381-1390.

MBA Teacher of the Semesters, Fall 1984.

## **STATE AND PUBLIC SERVICE**

Board Member, Washington State Institute for Public Policy, 2005-present.

Board Member, Student Book Corporation, Pullman, WA, 2010-present

Special Emphasis Panel, Centers for Disease Control, 2004, 2010, 2011.

Boy Scout Leader, Assistant Scoutmaster and Merit Badge Counselor, 1999-present.

Volunteer at Pullman High School, teaching calculus, school year 2001-02.

Commissioner, Whitman County Hospital District 1A, dba Pullman Memorial Hospital, 1992 - 1999.

Board President, 1993 - 1995.

Co-Chair, Citizens for Pullman Schools, 1991.

Chair, Ad Hoc Citizens Committee for Health Services Assessment, Pullman Memorial Hospital, 1990-91.

Governor's Oversight Subcommittee for HRSA HIV/AIDS Rural Planning Grant, State of Washington, 1990-91.

***UNIVERSITY LEADERSHIP AND SERVICE (since 1990)***

President's Honorary Degree Committee, 2015-present.

Faculty Status Committee, 2014-present.

Faculty Senate Executive Committee, 2013-present.

Faculty Senate Steering Committee, 2011-present.

Chair, Faculty Senate, 2013-14.

Chair-elect, Washington State University Faculty Senate, 2012-13.

President's Ad Hoc Committee on Tuition, 2011-2012.

Interim Director, School of Economic Sciences, January to August 2011.

Associate Director, School of Economic Sciences, 2004-2010.

Chair, Department of Economics, 2003-2004.

Graduate Program Director, Department of Economics, 1994-2003.

Faculty Senate Budget Committee, 2006-2012, Chair 2008-2011.

President's Ad Hoc Committee on Faculty Salaries, 2009-2010.

President's Ad Hoc Committee on Economic Crisis, 2008.

Advisory Board, Cancer Research and Education Center, 2007-2009.

Chair, Faculty Senate Committee on Salaries, 2003-2004.

Economics-Agricultural Economics Merger Committee, 2003-2004.

Faculty Senator, 2003-2004.

Faculty Senate Steering Committee, 1999-2001, 2008-present.

College of Business and Economics College Council, 2003.

Faculty Senate Graduate Studies Committee, 2000-2002. Chair 1999-2001.

Fiscal Integrity Subcommittee for the NCAA Certification Self-Study, 2002.

Faculty Status Committee, 1999-2000.

President's Services and Activities Fee Committee, 1999-2000.

Provost's Council on Undergraduate Excellence, 1998-1999.

Graduate Student Appeals Committee, 1998-1999.

Chair, Committee on Graduate Students' Rights and Responsibilities, 1997-1999.

College of Business and Economics Strategic Planning Committee, 1996-1998.

Intellectual Property Committee, 1995-1997.

Extended University Affairs Committee, 1995-1997.

President's Honorary Degrees Committee, 1992-1995.

President's Distinguished Alumni Awards Committee, 1992-1995.

President's Committee on General Education, 1990-1993.

Provost's Ad Hoc Committee on Assessment, 1990-1992.

Faculty Senate Student Affairs Committee, 1990-1992.