

# MARK E. FERRIS

## Contact Information

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## Education

Ph.D. University of Illinois, Urbana-Champaign, Transportation Planning,  
Department of Civil Engineering, 1982.

Master of Arts, University of Illinois, Urbana-Champaign, Regional Economic  
and Transportation Geography, Department of Geography, 1978.

Bachelor of Arts, University of Illinois, Urbana-Champaign, Liberal Arts, 1977.

## Academic Employment

Saint Louis University, School of Business and Administration, 1997-2010,  
Associate Professor of Decision Sciences.

Saint Louis University, School of Business and Administration, 1996-2003,  
Chair of the Department of Decision Sciences and MIS and Associate Professor  
of Decision Sciences.

Saint Louis University, School of Business and Administration, 1990-1996,  
Assistant Professor of Decision Sciences.

Saint Louis University, Department of Public Policy Studies, 1995-2010,  
Secondary Appointment as Associate Professor of Public Policy.

Washington University, John M. Olin School of Business, 1987 - 1990. Visiting  
Assistant Professor of Quantitative Business Analysis.

Washington University, Center for the Study of American Business, Headed by  
Murray Weidenbaum, 1987-1988. Visiting Research Associate.

Washington University, Department of Architecture and Urban Planning, adjunct,  
1983.

## **Industry Employment**

### Southwestern Bell Corporation

Staff Specialist - Demand Analysis and Economic Analysis, Statistical Analysis  
Competitive Analysis, Economic Forecasting, Edited and produced the  
publication "Business in the Southwest", 1983 -1986.

### Union Pacific Railroad

Transportation Planning Analyst - Capital Planning Analysis, Reported to Vice  
President of Operations, 1982-1983.

## **Teaching**

### **A. Courses Taught**

Saint Louis University, School of Business and Administration, St. Louis MO:

Sustainability and Statistics (Masters of Sustainability)  
Mathematical Statistics (Ph.D.)  
Time Series (Ph.D.)  
Business Statistics (MBA)  
Business Research Skills and Decision Making (International MBA)  
Quality Improvement Methods (MBA)  
Statistics and Probability (UG)

Washington University, John M. Olin School of Business, St. Louis MO:

Statistics and Probability (UG)  
Statistics and Probability (MBA)  
Forecasting (MBA)  
Management Science (UG)  
Macroeconomics (MBA)

Washing University, School of Architecture, St. Louis MO

Urban Planning (UG)

University of Illinois, School of Business, Champaign-Urbana, IL:

Statistics and Probability II (UG)

University of Illinois, School of Engineering, Department of Civil Engineering,  
Champaign-Urbana, IL:

Transportation Planning (UG)

## **B. Graduate Faculty Activities**

### Dissertation Committees

Tamara Stone, Chair.  
Mike McCoy, Reader.  
David Tipton, Reader.  
Dongchul Han, Reader.  
Isaac Chen, Reader.  
Ke Wan, Reader.  
Frank Murphy, Reader.  
Sam Young, Reader.  
Tim Keane, Reader.

Prepared and graded written comprehensive exams for Ph.D. students for Mathematical Statistics and Time Series for ten years.

Participated in numerous oral exams for both Masters and Ph.D. students.

Present an annual talk at the Public Policy Doctoral Seminar, Saint Louis University on Quality Improvement Methods in Research.

## C. Special Student Projects Supervised

### Organizations

Dow Screw Company, Analyzed factory operations, 1992.  
Erkers Optical, Analyzed retail operations, 1993.  
School of B&A, Saint Louis University, Analyzed registration process, 1993.  
Clerk of the Circuit Court, St. Louis, Analyzed file operation, 1993.  
St. Louis Police Department, Analyzed fleet maintenance, 1994.  
Paraquad, Analyzed service delivery, 1994.  
Office of the Lieutenant Governor, Analyzed complaint handling, 1994.  
Dept. of Anesthesiology, Saint Louis University, Pre-admission testing process, 1995.  
Department of Obstetrics and Gynecology, Washington University, Analyzed patient throughput, 1996  
School of B&A, Saint Louis University, Analyzed Part-time MBA Student Satisfaction, 2000.

### Research

#### A. Refereed Publications

“Dissatisfied consumers who complain to the Better Business Bureau”, Journal of Consumer Marketing, Vol. 16, No. 6, 1999, with James E. Fisher, Dennis E. Garrett, Mark J. Arnold.

“Planning Preventative Maintenance for a Fleet of Police Vehicles Using Simulation”, Simulation, Vol. 68, No. 2, February, 1997, with Seong Jong Joo and Reuven Levary.

“The Role of Nontraded and Traded Wages in the Productivity Differential Model”, Southern Economic Journal, Vol. 63, No. 2, October, 1996, with Jack Strauss.

“A Dynamic Estimation of World Productivity Growth”, Applied Economics, Vol. 28, pp 195-202, 1996, with Jack Strauss.

“An Examination of the Relationship among Productivity, Wage Rates and Relative Prices”, Journal of Economics, Fall, 1994, with Jack Strauss.

"Teacher 2000: A New Tool for Multimedia Teaching of Introductory Business Statistics", Journal of Statistical Education, 1994, with Don Hardaway.

"Productivity Dynamics in the U.S. and Japan", The Journal of Economics, Spring, 1994, with Jack Strauss.

"A Multimedia Approach to Statistical Education", *1992 Proceedings: Decision Sciences Institute*, 1992 Annual Meeting, San Francisco, CA, with Don Hardaway.

Extend "Forecasting Competitive Behavior: An Assessment of AT&T Incentive to its U.S. Network," International Journal of Forecasting, 1988, with Peter Grandstaff and Shuh S. Chou.

"Direct Energy Accounts for Urban Transportation Planning," Transportation Research Record, 1980, with David Boyce.

"Energy Consumption of the Journey-to-Work With and Without a Suburban Rapid Transit Line", Transportation Research Record 680, 1978, with David Boyce.

## **B. Published Correspondence**

Letter to the Editor RE: Paul Kurgman's Column: Fearing Fear Itself, New York Times, October 31, 2007.

Letter to the Editor concerning the article "Gun Ownership as a Risk Factor for Homicide in the Home" by Kellerman, A.L. et al. published in the New England Journal of Medicine, Vol. 330, No.5, Feb. 3, 1994, p. 366, with the students of DSC 650.

## **C. Submissions to Refereed Publications**

"The Sustainability Movement at the Bedside: Is the Doctor-Patient Relationship About to Become Greener?" New England Journal of Medicine, with Jason Kuhne, Tim Keane, William Sasser, Fall, 2010.

## **D. Work in Progress**

Coupling Natural and Human Systems, the case of the "Shrinking City."

Investigating the costs, benefits and strategic advantages of collaboration between environmental non-government organizations and corporations.

Understanding how the decentralized nature of the National Park Service impacts the dissemination and adoption of sustainability information and practices.

Statistical analysis as evidence: The case of hypothesis testing.

Teaching Statistics in a Multicultural Setting.

Understanding Hypothesis Testing: Some background and examples for teaching.

### **E. Grant Submissions and Awards**

NSF Grant – Dynamics of Coupled Natural and Human Systems, amount \$1 Million ( Fall, 2010) under development.

MacArthur Foundation Grant – Creating a Masters of Sustainable Development Practice, submitted for the amount \$1 Million (2009) unfunded.

School of Business and Administration, Summer Research Grant, 2003

School of Business and Administration, Summer Research Grant, 2002.

School of Business and Administration, Summer Research Grant, 2001.

School of Business and Administration, Summer Research Grant, 2000.

School of Business and Administration, Summer Research Grant, 1995, “Quality Improvement in State Government.”

School of Business and Administration, Fund for Excellence, “Integrating Quality Concepts into the Curriculum,” 1994.

School of Business and Administration, Summer Research Grant, 1994, “Quality Efforts in the St. Louis Area.”

School of Business and Administration, Summer Research Grant, 1993, "Productivity Dynamics in the U.S. and Japan."

Beaumont Faculty Development Fund Award, 1993, “Analysis of Proportionality of Death Penalty Decision Making,” with Jim Gilsinan, Chair of Public Policy.

Beaumont Faculty Development Fund Award, 1993, “International Productivity.”

School of Business and Administration, Summer Research Grant, 1992, Traveled to Japan, Grant proposal - "A Comparison of U.S. and Japanese Quality and Productivity: An Evaluation of Differences in Manufacturing Plants."

### **F. Conference Presentations and Participation**

“Teaching Business Statistics Using Participatory Learning Methods in a Multicultural Setting, Accepted but not presented at INFORMS, 2010, with Reuven Levary.

“Promoting Social Justice with Open Source Software” International Academy for Information Management, Paris, France, December, 2008.

“The Potential of Multimedia in Statistical Education” workshop organized for the Making Statistics More Effective in Schools of Business (MSMESB) Conference, California State University at Sacramento, June 1995.

“Multimedia in Statistical Education” workshop at the *Making Statistics More Effective in Schools of Business (MSMESB) Conference* at Rutgers University, June 1994, with Don Hardaway.

Paper Discussant and Session Chair, Missouri Valley Economic Association Conference, St. Louis, MO, February, 1994.

"An Econometric Analysis of PPP, Productivity, and Unit Labor Costs", presented by Jack Strauss, *Northeastern Economic Association Meetings*, Boston, MA, March, 1994.

"Purchasing Power Parity, Productivity, and Unit Labor Costs", presented with Jack Strauss, *Missouri Valley Economic Association Conference*, St. Louis, MO, February, 1994.

"An Examination of U.S. - Japanese Productivity Differences: Homogeneous Capital or Management Practice Differentials," with Jack Strauss, accepted for presentation at *Missouri Valley Economic Association Conference*, February, 1993.

Session Chair, International Business Track, International Decision Sciences Conference, Washington D.C., November 1993.

"A Multimedia Approach to Statistical Education" presented with Don Hardaway at the *International Decision Science Conference*, San Francisco, CA, November, 1992.

"POP Proliferation: A Case of Economic Bypass?" presented by Peter Grandstaff at the *Sixth International Symposium on Forecasting*, Paris, France, June 1986.

Discussant "Evolving Telecommunications Markets: When Does Distance Matter," 32nd North American Meetings of the Regional Science Association, Philadelphia, November 1985.

"Variations in Journey-to-Work Time, Distance and Speed Across Metropolitan Areas," presented at *29th North American Meetings of the Regional Science Association*, Pittsburgh, November 1982.



"Variations in Household Transportation Energy Consumption for the Journey-to-Work," presented at the *Mid-Continent Regional Science Association Meeting*, Cincinnati, May 1981.

### **G. Articles and Editorials**

"The Quality Wars: Japan Vs. America", **St. Louis Commerce**, March, 1993, with Jack Strauss.

"Computer Chips not Potato Chips", Editorial in the Sunday November 22, 1992, **St. Louis Post Dispatch**, with Jack Strauss.

"Get it in Gear America", Editorial in the Sunday June 28, 1992, **St. Louis Post Dispatch**, with Jack Strauss.

### **Service**

#### **A. University**

Elected Member of the Faculty Senate Executive Committee, term 2008-2011

Masters of Sustainability Task Force member. 2009-2010.

Chair, Governance Committee for Faculty Senate, 2009-2011.

Elected to Faculty Senate for three year term, 2007-2010.

Appointed to the Governance Committee, Faculty Senate, 2004 -2007

Elected to Undergraduate Curriculum Board, JCSB, 2003-2007.

Chair Search Committee, 2005-2006.

Member of the steering committee for the Center for Organizational Learning and Renewal (COLR) at Saint Louis University. 2000-2006.

Member of Consortium for Supply Chain Management

Appointed to the NCA Faculty Task Force, 2000 - 2001.

Member of steering committee for the Center for Organizational Learning and Renewal, 1998-2004.

Appointed member of search committee for Chief Information Officer, 1998.

Appointed to the University Technology Planning Council, 1997-2000.

Participated and presented as part of a panel on research for new faculty, 1996.

Appointed to the Faculty Senate Research Committee, 1995.

Appointed to the Academic Affairs Committee, Faculty Senate, 1993.

Elected to the Executive Committee of the Faculty Senate, three year term, 1993.

Appointed to a three year term on the Research Committee of the Graduate School, 1993.

Elected to the Faculty Senate, School of Business Representative, 1992.

Faculty Mentor for USIA program, 1992.

## **B. School of Business**

Leader of the Task Force for Sustainability, 2008-2010.

Member of the Task Force on creating the Masters in Supply Chain Management 2007-2008.

Chair of Department Task Force to evaluate the MIS curriculum, 2006-2007.

Search committee member for Department Chair, 2005-2006.

Elected to the Undergraduate Curriculum Board, 2004-2006.

Department Chair, Decision Sciences & MIS, 1996-2003.

Elected to the Committee to revise the requirements for the PhD program, 1995-1997.

Elected to the MBA Program Committee, 1994.

Appointed to the Integrative Case Committee for the new MBA curriculum, 1994.

Appointed as a member of the MIS 200 Labs Committee, 1993.

Advisor to Alpha Kappa Psi, Professional Business Fraternity, 1992- 1994.

## **C. National Committees**

Member of Planning Committee for Making Statistics More Effective in Schools of Business (MSMESB) Conference at University of Chicago 2006.

Member of Planning Committee for Making Statistics More Effective in Schools of Business (MSMESB) 2005

Member of the Planning Committee for Making Statistics More Effective in Schools of Business (MSMESB) 2004

Member of the Planning Committee for Making Statistics More Effective in Schools of Business (MSMESB) 2003

Member of the Planning Committee for Making Statistics More Effective in Schools of Business (MSMESB) Conference at University of Georgia, 2002.

Member of the Planning Committee for Making Statistics More Effective in Schools of Business (MSMESB) Conference at Rensselaer Polytechnic Institute, 2001.

Member of the Planning Committee for Making Statistics More Effective in Schools of Business (MSMESB) Conference at Babson University, 1999.

Member of the Planning Committee for Making Statistics More Effective in Schools of Business (MSMESB) Conference at the University of Iowa Summer 1998.

Member of the Planning Committee for Making Statistics More Effective in Schools of Business (MSMESB) Conference at Pennsylvania State University Summer 1997.

Member of the Planning Committee for Making Statistics More Effective in Schools of Business (MSMESB) Conference at the University of Alaska for Summer 1996.

Member of the Planning Committee for Making Statistics More Effective in Schools of Business (MSMESB) Conference at the University of California-Sacramento for Summer 1995.

#### **D. Professional Appointments**

Appointed to the Customer Satisfaction Committee, **Better Business Bureau**, 1994 -2007.

Member of the PRAXAIR neighborhood task force. (Testified at the hearing regarding PRAXAIR at the Board of Public Service.) 2005-2006

Appointed as a Judge for Team Awards, Excellence in Missouri Foundation, 2000.

Appointed as a Judge for Team Awards, Excellence in Missouri Foundation, 1999.

Appointed as a Judge for Team Awards, Excellence in Missouri Foundation, 1998.

Appointed as a Missouri Quality Award Senior Examiner, Excellence in Missouri Foundation, 1997.

Appointed as a Missouri Quality Award Senior Examiner, Excellence in Missouri Foundation, 1996.

Appointed as a Missouri Quality Award Examiner, Excellence in Missouri Foundation, 1995.

Appointed to the Governor's Commission on Management and Productivity, Management Improvement and Customer Focus Task Force by Governor Mel Carnahan, State of Missouri, 1994.

Appointed as an Examiner for the Excellence in Employee Involvement Award for the Employee Involvement Association, Arlington, VA, 1993.

Appointed to the **Research** Committee, St. Louis Regional Quality Institute, 1992.

Appointed to the **Education** Committee, St. Louis Regional Quality Institute, 1992.

## **E. Community**

Board Member Community Policy Committee, Focus Saint Louis, 2010.

Board Member Asset Mapping Project, Sustainable Saint Louis, 2010.

Board Member of First Book St. Louis, 2007-Present. Organization dedicated to helping first time readers in low income households.

Member of PRAXAIR Community Task Force, 2005-2006. Testified at the Board of Public Service Hearing.

Elected Lafayette Square Restoration Board, 2004-2005.

Co-chaired Christmas Book Benefit for Neighbors in St. Louis City, 2003.

Elected to Lafayette Square Restoration Board, 2003-2004.

Appointed to the committee to examine race relations for the Democratic Central Committee of the City of St. Louis, 1997.

Reelected as Democratic Committeeman, Sixth Ward, St. Louis City, 1996.

Appointed to Honorary Committee on Cervantes at America's Center Grand Opening Celebration, January, 1993.

Elected as Democratic Committeeman, Sixth Ward, St. Louis City, August, 1992-1996.

Appointed as a Board Member and Secretary of the United Nations Association, 1992-1994.

Appointed as a Member of the Citizens St. Louis City Capital Planning Task Force, 1990 -1992.

Competitively chosen for the CORO Foundation, Neighborhood Leaders Program Graduate, 1987.

Elected as President and Board Member, Lafayette Square Restoration Committee, 1983-1988.

Member of South Side Community Network, Group of Nonprofit Organizations, 1987.

### **E. Industry Presentations**

Quality Improvement training for Ralston Purina, 1997.

Presented a talk on Quality Improvement Methods to the American Public Power Association, 1995.

Presented the results of a study on Customer Satisfaction jointly conducted by Mark Ferris, Jim Fisher(Dept. of Marketing) and the Better Business Bureau to the Greater St. Louis Automotive Association, 1994.

### **Professional Organizations**

American Statistical Association  
Decision Sciences