

PETER A. STREUFERT

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Personal Data

Born April 22, 1959
Dual national of Canada and U.S.A.

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Positions

Associate Professor, Department of Economics, University of Western Ontario, from July 1993 (tenured July 1995).

Visiting Associate Professor, Department of Economics, University of Auckland, July 2005-January 2006.

Teaching By-Fellow, Churchill College, University of Cambridge, January-August 1999.

Visiting Associate Professor, Department of Economics, University of British Columbia, August-December 1998.

Assistant Professor, Department of Economics, State University of New York-Albany, January-June 1993.

Assistant Professor, Department of Economics, University of Wisconsin-Madison, September 1985-December 1992.

Visiting Assistant Professor, Department of Economics, University of California-San Diego, January-June 1991.

Visiting Fellow, Planning Unit, Indian Statistical Institute, New Delhi, India, January-March 1987.

Education

Ph.D. in Economics, Stanford University, August 1985 (Dissertation: "Dynamic Allocation with Consistent Intergenerational Benevolence").

B.A. in Mathematics and Economics, St. Olaf College, Northfield, Minnesota, May 1981.

Semester Abroad studying German and Economics, Albert-Ludwigs-Universität, Freiburg im Breisgau, Germany, February-August 1980.

RESEARCH

Articles in Refereed Journals

- "Solutions for Some Dynamic Problems with Uncertainty Aversion" (with Hiroyuki Ozaki), Japanese Economic Review 52 (2001) 251-283.
- "The Effect of Underclass Social Isolation on Schooling Choice", Journal of Public Economic Theory 2 (2000), 461-482.
- "Dynamic Programming for Nonadditive Stochastic Objectives" (with Hiroyuki Ozaki), Journal of Mathematical Economics, 25 (1996), 391-442.
- "Biconvergent Stochastic Dynamic Programming, Asymptotic Impatience, and 'Average' Growth", Journal of Economic Dynamics and Control 20 (1996), 385-413.
- "A General Theory of Separability for Preferences Defined on a Countably Infinite Product Space", Journal of Mathematical Economics 24 (1995), 407-434.
- "Markov-Perfect Equilibria in Intergenerational Games with Consistent Preferences", Journal of Economic Dynamics and Control, 17 (1993), 929-951.
- "Abstract Recursive Utility", Journal of Mathematical Analysis and Applications 175 (1993), 169-185.
- "Dynamic Equilibria with Unemployment Due to Undernourishment" (with Debraj Ray), Economic Theory 3 (1993), 61-85.
- "An Abstract Topological Approach to Dynamic Programming", Journal of Mathematical Economics 21 (1992), 59-88.
- "Stationary Recursive Utility and Dynamic Programming under the Assumption of Biconvergence", Review of Economic Studies 57 (1990), 79-97.

Other Publications

- "Recursive Utility and Dynamic Programming", in Salvador Barbera, Peter J. Hammond and Christian Seidl, editors (1998), Handbook of Utility Theory, Kluwer Academic Publishers, Dordrecht, Chapter 3, pages 93-121.
- "Consistent Preferences and Intergenerational Equilibria in Markov Strategies", in B. Dutta, S. Gangopadhyay, D. Mookherjee, and D. Ray, editors (1993), Theoretical Issues in Economic Development, Oxford University Press, Bombay (selected proceedings from the ISI Conferences in Economic Theory), pages 263-287.

Other Papers

- "Action-Based Game Forms," June 2011, 15 pages.
- "Consistent Beliefs from the Perspective of Additive Representation," September 2007, 18 pages.
- "Characterizing Consistency with Monomials," June 2007, 34 pages.
- "A Comment on 'Sequential Equilibria'," UWO Department of Economics Research Report #2006-3, February 2006, 10 pages.

"Characterizing Consistency by Monomials and by Product Dispersions," UWO Department of Economics Research Report #2006-2, February 2006, 27 pages.

"Products of Several Relative Probabilities," UWO Department of Economics Research Report #2006-1, February 2006, 31 pages.

"Two Characterizations of Consistency," UWO Department of Economics Research Report #2005-02, October 2005, 38 pages.

"Products of Representations Characterize the Products of Dispersions and the Consistency of Beliefs," UWO Department of Economics Research Report #2003-09, June 2003, 33 pages.

"A Pleasant Homeomorphism for Conditional Probability Systems," UWO Department of Economics Research Report #2002-11, July 2002, 5 pages.

"Constructing a Separable Function of Countably Many Variables," University of Western Ontario, March 2001, 35 pages.

"A Recursive Formulation of Traffic Optima and Equilibria" (with Richard Steinberg), University of Cambridge, The Judge Institute in Management Studies, WP15/2000, May 2000, 17 pages.

"Dynamic Programming for Choquet Objectives" (with Hiroyuki Ozaki), Tohoku University, February 1999, 23 pages.

Presentations

"Kreps-Wilson Consistency Implies Additive Separability," Economics Department, University of Western Ontario, June 21, 2011.

"Characterizing Consistency with Monomials," Economics Department, Brigham Young University, November 21, 2008.

"A Lazy Guide to Sequential Equilibrium," Economics Department, Brigham Young University, November 20, 2008.

"Characterizing Consistent Beliefs by Means of Products of Relative Probabilities," Mathematics Department, London School of Economics, May 29, 2008.

"Consistent Beliefs from the Perspective of Additive Representation," Midwest Economic Theory Conference, University of Michigan, November 3, 2007.

"Characterizing Consistency with Monomials," International Conference on Game Theory, Stony Brook, July 14, 2006.

"Characterizing Consistency with Monomials," Economics Department, University of New South Wales, June 14, 2006.

"Characterizing Consistency with Monomials," University of Sydney, June 13, 2006.

"Characterizing Consistency with Product Dispersions," Discrete Mathematics Seminar, Mathematics Department, University of Auckland, May 20, 2006.

"Characterizing Consistency with Monomials and Product Dispersions," Australasian Economic Theory Workshop, February 17, 2006.

"Two Characterizations of Consistency," Victoria University of Wellington, October 5, 2005.

"Two Characterizations of Consistency," University of Auckland, July 22, 2005.

"Products of Representations Characterize the Products of Dispersions and the Consistency of Beliefs," North American Summer Meeting of the Econometric Society, Brown University, June 17, 2004.

"Products of Representations Characterize the Products of Dispersions and the Consistency of Beliefs," Workshop of Time Preference, University of Copenhagen, May 22, 2004.

"Products of Representations Characterize the Products of Dispersions and the Consistency of Beliefs," Canadian Economic Theory Conference, Montreal, May 7, 2004.

"Products of Representations Characterize the Products of Dispersions and the Consistency of Beliefs," University of Western Ontario, July 3, 2003.

Grants

"Nonadditive Utility and Optimization Theory for Infinite-Dimensional Commodity Spaces", Social Sciences and Humanities Research Council of Canada, \$46,000, 1994.

TEACHING

Awards

Graduate Professor of the Year, UWO Department of Economics, 2009.

Undergraduate Professor of the Year, UWO Department of Economics, 2007.

Graduate Professor of the Year, UWO Department of Economics, 2004.

Nominated for the UWO Award of Excellence in Undergraduate Teaching, 2000, 2003.

Appeared as a UWO "Popular Prof" in Maclean's Guide to Canadian Universities, 2002, 2003.

Undergraduate Courses

1. Undergraduate macroeconomics: Introduction to economic growth, inflation, unemployment, fiscal and monetary policy, international trade and finance.

2001 UWO Economics 020, 5.7 of 7

2. Undergraduate microeconomics: Consumer choice with and without uncertainty, producer behaviour under perfect and imperfect competition. (A simplified version of undergraduate course 5 and graduate courses 1 and 4 below.)

2012 UWO Economics 2261

2011 UWO Economics 2261, 5.8 of 7

2009 UWO Economics 2261, 6.3 of 7

2008 UWO Economics 261, 5.4 of 7

2007 UWO Economics 150, 4.3 of 7

2007 UWO Economics 261, 6.3 of 7

2006 UWO Economics 151, 5.6 of 7
 2005 UWO Economics 261, 5.3 of 7
 2004 UWO Economics 261, 6.3 of 7
 2003 UWO Economics 261, 5.9 of 7
 1998 U of British Columbia, Economics 172, no evaluation
 1998 UWO Economics 151, 5.1 of 7
 1997 UWO Economics 151, 4.9 of 7
 1991 UC-San Diego Economics 170, no evaluation
 1987 UW-Madison Economics 104, no evaluation

3. Undergraduate environmental economics: The application of elementary cost-benefit analysis to illuminate actual environmental issues and policies.

1998 U of British Columbia, Economics 371, no evaluation
 1997 UWO Economics 172, 4.9 of 7

4. Honours mathematical economics: Topics from linear algebra, topology, multi-variate calculus, static optimization, and differential equations. (A simplified version graduate course 2 below.)

2010 UWO Economics 3310, 6.8 of 7
 2007 UWO Economics 310, 6.2 of 7
 2004 UWO Economics 210, 6.4 of 7
 2003 UWO Economics 210, 6.3 of 7
 2002 UWO Economics 210, 5.9 of 7
 2001 UWO Economics 210, 5.7 of 7
 2000 UWO Economics 210, 5.2 of 7
 1999 UWO Economics 210, 5.8 of 7

5. Honours general equilibrium and social choice: Well-accepted theories of both market and non-market interaction, together with less-standard mathematical theories of social ethics. (A simplified version of graduate course 4 below).

2011 UWO Economics 9600 (summer review for incoming graduate students)
 2010 UWO Economics 9600 (summer review for incoming graduate students), 6.4 of 7
 2009 UWO Economics 9600 (summer review for incoming graduate students), 6.4 of 7
 2008 UWO Economics 9600 (summer review for incoming graduate students), evaluation?
 2000 UWO Economics 383, 6.0 of 7
 1999 U of Cambridge, Economics Year II, Paper 5, no evaluation

6. Honours dynamic economics: Glimpses into current research on the mathematical foundations of recursive utility, dynamic optimization, and dynamic general equilibrium, taught with my own computer simulations rather than graduate-level mathematics. (A simplified version of graduate course 6 below.)

1998 UWO Economics 383, 6.1 of 7
 1997 UWO Economics 383, 5.9 of 7
 1996 UWO Economics 383, 4.7 of 5
 1994 UWO Economics 383, 4.6 of 5
 1993 SUNY-Albany Economics 480, 4.7 of 5
 1992 UW-Madison Economics 501, 4.3 of 5
 1992 UW-Madison Economics 501, 4.2 of 5
 1991 UC-San Diego Economics 172, no evaluation

6. Honours game theory: Formal mathematical development of static games, dynamic games, and games with incomplete information.

2010 UWO Economics 3382, 6.3 of 7.

7. Independent Study: For-credit course designed for a specific student.

2010-11 Sarah Ying, Scholars Electives Program (game theory)

Graduate Courses

1. Masters microeconomics: Consumer choice; producer behaviour under monopoly, oligopoly, and perfect competition.

1994 UWO Economics 501, 4.4 of 5

2. First-year Ph.D. math review: Topics from linear algebra, multi-variate calculus, and static optimization which are basic to graduate economics.

1999 UWO Economics 600, no evaluation
 1992 UW-Madison Economics 605, 4.4 of 5
 1991 UW-Madison Economics 605, 4.3 of 5
 1990 UW-Madison Economics 605, 4.7 of 5
 1989 UW-Madison Economics 605, 4.4 of 5
 1988 UW-Madison Economics 605, 4.2 of 5
 1987 UW-Madison Economics 605, 4.4 of 5
 1986 UW-Madison Economics 605, no evaluation
 1985 UW-Madison Economics 605, no evaluation

3. First-year Ph.D. mathematical economics: Topics from topology, measure theory, dynamic programming, and optimal control which are basic to graduate economics.

2009 UWO Economics 9607, 6.2 of 7
 2004 UWO Economics 607, 6.7 of 7
 2003 UWO Economics 607, 6.7 of 7
 2002 UWO Economics 607, 6.8 of 7
 2001 UWO Economics 607, 7.0 of 7
 2000 UWO Economics 607, 4.2 of 7
 1997 UWO Economics 607, 6.7 of 7
 1996 UWO Economics 607, 4.4 of 5
 1995 UWO Economics 607, 3.5 of 5
 1994 UWO Economics 607, 4.2 of 5
 1993 UWO Economics 607, 4.8 of 5

4. First-year Ph.D. general equilibrium, game theory, and social choice: Well-accepted theories of both market and non-market competition, together with less-standard mathematical theories of social ethics.

2011 UWO Economics 9601
 2010 UWO Economics 9601, 6.2 of 7
 2009 UWO Economics 9601, 6.4 of 7
 2008 UWO Economics 9601, 6.7 of 7
 2007 UWO Economics 601, 6.2 of 7
 2006 UWO Economics 601, 6.3 of 7
 2004 UWO Economics 601, 6.7 of 7
 2003 UWO Economics 601, 6.9 of 7
 2003 UWO Economics 602, 6.4 of 7
 2002 UWO Economics 602, 6.2 of 7
 2001 UWO Economics 602, 4.7 of 7
 2000 UWO Economics 602, 6.5 of 7
 1996 UWO Economics 602, 4.0 of 5

1995 UWO Economics 602, 4.3 of 5
 1994 UWO Economics 602, 4.4 of 5
 1993 SUNY-Albany Economics 700, 4.6 of 5
 1992 UW-Madison Economics 713, 4.3 of 5
 1990 UW-Madison Economics 713, 4.6 of 5
 1989 UW-Madison Economics 713, 4.6 of 5
 1988 UW-Madison Economics 713, 4.2 of 5
 1986 UW-Madison Economics 713, no evaluation

5. Second-year Ph.D. seminar course. New course promoting the active participation of PhD students in department seminars.

2009-10 UWO Economics 9609, 6.6 of 7.
 2008-09 UWO Economics 9609, no evaluation.

6. Upper-year Ph.D. development economics: Current theoretical and applied research on economic growth, malnutrition, unemployment, inequality, and poverty.

1991 UW-Madison Economics 879, 4.7 of 5
 1988 UW-Madison Economics 879, 5.0 of 5
 1987 UW-Madison Economics 879, 5.0 of 5
 1986 UW-Madison Economics 879, no evaluation
 1986 UW-Madison Economics 879, no evaluation

7. Upper-year Ph.D. mathematical economics: Current research on the mathematical foundations of sequential equilibrium (2007) and recursive optimization (1988-96).

2007 UWO Economics 620, no evaluation
 1996 UWO Economics 611, 5.7 of 7
 1989 UW-Madison Economics 606, 4.8 of 5
 1988 UW-Madison Economics 606, 4.3 of 5

8. Independent Study: For-credit courses designed for a particular student.

2003-04 Bingyong Zheng (game theory)

Ph.D. Dissertation Committees

Supervised Hui Huang, "Insider Trading Regulations: A Game-Theoretic Approach," University of Western Ontario, 2005 (currently a faculty member at the University of Regina).

Supervised Konstantin Loukine, "Three Essays on Institutional Change in Russia", University of Western Ontario, 2000 (the student was unable to finish under my supervision).

Supervised Hiroyuki Ozaki, "Biconvergent Stochastic Dynamic Programming", University of Wisconsin-Madison, 1992 (currently a member of the Faculty of Economics at Tohoku University, Japan).

Supervised Andrew Horowitz, "Time Paths of Land Reform: A Theoretical Model and Applications", University of Wisconsin-Madison, 1989 (currently a member of the Economics Department at the University of Arkansas).

SERVICEActivities within the Profession

Referee for American Economic Review, Econometrica, Economic Journal, Economic Theory, Games and Economic Behavior, International Economic Review, Journal of Development Economics, Journal of Economic Theory, Journal of Economic Dynamics and Control, Journal of Environmental Economics and Management, Journal of Human Resources, Journal of Mathematical Economics, Journal of Optimization Theory and Applications, Journal of Public Economics, Mathematical Social Sciences, National Science Foundation, Review of Economic Studies, Scandinavian Journal of Economics, Social Choice and Welfare, Social Sciences and Humanities Research Council.

Organized the Strohs-Labatts Conference (16 speakers) for the University of Michigan and University of Western Ontario Economics Departments, London, Ontario, October 29-30, 1994.

Activities within the University (last 10 years)

Member of Social Science Educational Policy Committee, 2011-12.
 Social Science Faculty Representative to the Faculty of Engineering, 2011-12, 2010-11.
 Member of Appointments Committee for Management and Organizational Studies, 2006-07.

Activities within the Department (last 10 years)

Member of First-Year Ph.D. Examining Committee for Microeconomics, 2012 (chair), 2011(chair), 2010 (chair), 2009, 2008 (chair), 2007 (chair), 2005 (chair), 2004 (chair), 2003, 2002.
 Undergraduate Microeconomics Subject Coordinator 2010-11, 2009-10, 2007-08, 2006-07, 2004-05, 2003-04.
 Member of Graduate Studies Committee, 2010-11, 2009-10, 2008-09, 2006-07, 2004-05 (associate director).
 Member of Appointments Committee, 2002-03.

Activities within the Community

Dance Instructor (UWO SwingKids), 1999-2012.
 Dance Instructor (Cambridge Dance Club), 1999.