

PETER ALFRED STREUFERT

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ADDRESS AND CITIZENSHIP

- Economics Department
Western University (UWO)
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- Dual national of Canada and U.S.A.

EMPLOYMENT

- 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 (Advisor: Mordecai Kurz).
- 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

- Equivalences among five game specifications, including a new specification whose nodes are sets of past choices, *International Journal of Game Theory* 48 (2019) 1–32 (lead article).
- The category of node-and-choice preforms for extensive-form games, *Studia Logica: Special Issue for Logics of Social Behaviour*, 106 (2018) 1001–1064.

- An elementary proof that additive i-likelihood characterizes the supports of consistent assessments, *Journal of Mathematical Economics* 59 (2015) 37–46.
- 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 bi-convergence, *Review of Economic Studies* 57 (1990), 79-97.

OTHER PUBLICATIONS

- The category of node-and-choice forms, with subcategories for choice-sequence forms and choice-set forms, in *Nonclassical Logics and Their Applications* (2020), edited by S. Ju, A. Palmigiano, and M. Ma, Logic in Asia: Studia Logica Library, Springer Nature, pages 15–66.
- Recursive utility and dynamic programming, in *Handbook of Utility Theory* (1998), edited by S. Barbera, P. J. Hammond and C. Seidl, Kluwer Academic Publishers, Dordrecht, pages 93-121.
- Consistent preferences and intergenerational equilibria in Markov strategies, in *Theoretical Issues in Economic Development* (1993), edited B. Dutta, S. Gangopadhyay, D. Mookherjee, and D. Ray, Oxford University Press, Bombay, pages 263-287.

OTHER PAPERS (selected)

- 2021 July: Specifying a game-theoretic extensive form as an abstract 5-ary relation, Western University, Department of Economics Research Report Series 2021-3, 21 pages”, Also arXiv:2107.10801.
- 2021 May: A category for extensive-form games, Western University, Department of Economics Research Report Series 2021-2, 60 pages. Also arXiv 2105.11398. (Resubmitted to same journal as the paper immediately below.)
- 2020 April: The category of node-and-choice extensive-form games, Western University, Department of Economics Research Report Series 2020-4, 47 pages. Also arXiv 2004.11196.

- 2013 July: Measuring absurdity, 20 pages (preliminary).
- 2006 February: A comment on “Sequential Equilibria”, UWO Economics Department Research Report #2006-3, 10 pages.
- 2006 February: Characterizing consistency by monomials and by product dispersions, UWO Economics Department Research Report #2006-2, 27 pages.
- 2006 February: Products of several relative probabilities, UWO Economics Department Research Report #2006-1, 31 pages.
- 2002 July: A pleasant homeomorphism for conditional probability systems, UWO Economics Department Research Report #2002-11, 5 pages.
- 2001 March: Constructing a separable function of countably many variables, March 2001, 35 pages.

PRESENTATIONS (last 10 years)

- 2016: Canadian Economic Theory Conference (Montreal).
- 2015: Conference on Mathematical Analysis in Economic Theory (Kyoto), Keio University (Tokyo), Applied Mathematics Department at UWO, Econometric Society World Congress (Montreal).
- 2014: Midwest Economic Theory Conference (Indianapolis).
- 2013: Arizona State University, Society for the Advancement of Economic Theory (Paris), North American Summer Meetings of the Econometric Society (Los Angeles), Philosophy Department at University of Gent (Belgium), Canadian Economic Theory Conference (Montreal), Midwest Economic Theory Conference (Michigan State), Ryerson University (Toronto), UWO, Indiana University-Purdue University (Indianapolis).
- 2012: NBER/NSF Conference in General Equilibrium and Mathematical Economics (Indiana), International Conference on Game Theory (Stony Brook), Canadian Economics Association (Calgary), Midwest Economic Theory Conference (Indiana), University of Waterloo, UWO.

GRANTS (last 10 years)

- Sam Clark Research Fund, \$5000, 2017.
- SSHRC Conference Travel Grant, \$1161, 2012.

TEACHING

AWARDS

- Undergraduate Professor of the Year, UWO Economics Department, 2020, 2007.
- Nominated for the UWO Award of Excellence in Undergraduate Teaching, 2013, 2003, 2000.
- Graduate Professor of the Year, UWO Economics Department, 2009, 2004.
- Appeared as one of a half-dozen UWO “Popular Profs” in Maclean’s Guide to Canadian Universities, 2003, 2002.

UNDERGRADUATE COURSES (last 10 years)

- Introductory Microeconomics, 2020, 2019.
- Intermediate Microeconomics, 2021 (twice), 2020, 2019 (twice), 2014, 2013 (twice), 2012.
- Mathematical economics, 2016.
- Game theory, 2015, 2014.
- Summer review for new Ph.D. students, 2015, 2014, 2012.

GRADUATE COURSES (last 10 years)

- First-year Ph.D. mathematical economics, 2016.
- First-year Ph.D. general-equilibrium theory, 2015, 2014, 2013, 2012.

Ph.D. DISSERTATION COMMITTEES (selected)

- Currently supervisor for Minku Kang.
- Currently committee member for Dillon Huddleston.
- Supervised Terrence (Adam) Rooney, Characterizing the value and effect of perceptiveness in various game-theoretic settings, UWO, 2020 (currently a consultant at Deloitte, Toronto).
- Committee member for Chris Mitchell, Essays on capital gains, household consumption, and corporate payout policy, UWO, 2012 (currently an assistant professor at Osaka University, Japan).
- Supervised Helen Huang, Insider trading regulations: A game-theoretic approach, UWO, 2005 (currently an associate professor at University of Regina).
- Supervised Hiroyuki Ozaki, Biconvergent stochastic dynamic programming, University of Wisconsin-Madison, 1992 (currently a full professor at Keio University, Japan).
- Supervised Andrew Horowitz, Time paths of land reform: A theoretical model and applications", University of Wisconsin-Madison, 1989 (currently a full professor at University of Arkansas).

MISCELLANEOUS

- Faculty teaching mentor, 2012-13.
- Panel member for department teaching workshop, 2013.

*SERVICE**WITHIN PROFESSION (last 10 years)*

- Head of the organizing committee for the Canadian Economic Theory Conference, held at UWO on May 8–10, 2015.
- Referee for *Economic Inquiry*, *Economics Bulletin*, *Economics Letters*, *Games and Economic Behavior*, *International Journal of Game Theory*, *Journal of Economic Theory*, *Journal of Mathematical Economics*, *Mathematics of Operations Research*, *Review of Economic Studies*, *Social Choice and Welfare*, *Studia Logica*.

WITHIN UNIVERSITY (last 10 years)

- Member of Social Science Educational Policy Committee, 2013-14, 2012-13.
- Social Science Faculty Representative to the Faculty of Engineering, December 2010 to December 2012.

WITHIN DEPARTMENT (last 10 years)

- Member, Graduate Affairs Committee, 2021-22, 2020-21, 2016-17(half).
- Undergraduate Microeconomics Subject Coordinator, 2021-22, 2019-20, 2016-17(half).
- Co-director of Theory Workshop, 2018-19.
- Member of Ph.D. Microeconomics Examining Committee, 2022, 2016, 2014.
- Coordinator of Ph.D. Microeconomics Examining Committee, 2015, 2013, 2012.
- Undergraduate Director, 2014-15.