WIM P.M. VIJVERBERG

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Academics

Degrees

Ph.D. Economics, December 1981, University of Pittsburgh

Dissertation Title: "Labor Supply and Fertility Decisions: A Dynamic Model of the Economic Behavior of Married Women."

M.A. Economics, April 1979, University of Pittsburgh

B.A. Econometrics, May 1975, Erasmus University of Rotterdam

Areas of Specialization

Labor Economics, Econometrics, Development Economics, Small Enterprises

Research Interests

Small-scale enterprises and the investment climate; Self-employment vs. wage employment; Earnings risk; Panel econometrics in the context of labor economics data; Discrete choice models; Education and labor market entry.

Current Employment

Professor, Ph.D. Program in Economics, City University of New York Graduate Center September 2008 – present.

Research

Publications

"Public Infrastructure as a Determinant of Intertemporal and Interregional Productive Performance in China," with Feng-Cheng Fu and Chu-Ping C. Vijverberg, **Journal of Productivity Analysis**, August 2011, 36:1, 91-111.

"Five Diagnostic Tests for Unobserved Cluster Effects," with Jielai Ma, Communications in Statistics – Simulation and Computation, 2010, 39:6, 1212-1227.

- "On the Structure of Labor Demand: An Analysis of the DOT Data," with Joop Hartog, **Applied Economics**, 2010, 42:13, 1747-1760.
- "Self-Selection Bias in Estimated Wage Premia for Earnings Risk," with Bas Jacobs and Joop Hartog, **Empirical Economics**, October 2009, 37:2, 271-286.
- "Entrepreneurship, Selection and Performance: A Meta-analysis of the Role of Education," with Justin van der Sluis and Mirjam van Praag, **Journal of Economic Surveys**, December 2008, 22:5, 795-841.
- **The Rural Investment Climate: Analysis and Findings**, with Kees van der Meer and Richard Burcroft, Washington DC: The International Bank for Reconstruction and Development / The World Bank, October 2008, 260+xx pages.
- "Returns to Schooling in Non-Farm Self-Employment in Ghana," in V. Gupta, N. Levenburg, L. Moore, J. Motwani, and T. Schwartz (eds.), **A Compendium on the Family Business Models Around the World** (ten volumes) Hyderabad: ICFAI University Press, 2008, Vol: Family Business in Sub-Saharan Africa, Ch.2, p.19-38.
- "Schooling, Skills, and Risk," with Joop Hartog, **Economics of Education Review**, December 2007, 26:6, 759-771.
- "On Compensation for Risk Aversion and Skewness Affection in Wages," with Joop Hartog, **Labour Economics**, December 2007, 14:6, 938-956.
- "Diagnosing the Productivity Effect of Public Capital in the Private Sector," with Chu-Ping C. Vijverberg, **Eastern Economic Journal**, Spring 2007, 33:2, 207-230.
- **The Rural Investment Climate: It Matters and It Differs**, with Kees van der Meer, Richard Burcroft, and Don Larson, Report 36543-GLB, Agriculture and Rural Development, The World Bank, June 2006, 143 pages.
- "Entrepreneurship Selection and Performance: A Meta-analysis of the Impact of Education in Developing Countries," with Justin van der Sluis and Mirjam van Praag, **World Bank Economic Review**, November 2005, 19:2, 225-261.
- "Does Family Income Matter for Schooling Outcomes? Using Adoption as a Natural Experiment," with Erik Plug, **Economic Journal**, October 2005, 119, 879-906.
- "Probit in a Spatial Context: A Monte Carlo Analysis," with Kurt Beron, in Luc Anselin, Raymond J.G.M. Florax, and Sergio J. Rey, eds., **Advances in Spatial Econometrics**, 169-195. Berlin: Springer Verlag, 2004.
- "Chow and Wald Tests for Parameter Equality under Conditions of Heteroskedasticity," with Kyoun-Sup Chung, **Korean Econometrics Review**, June 2004, 15:2, 27-57.
- "Household Enterprises in Vietnam: Survival, Growth, and Living Standards," with Jonathan Haughton, in David Dollar, Paul Glewwe, eds., **Economic Growth, Poverty and Household**

- Welfare: Policy Lessons from Vietnam, Ch. 4, 95-132, Washington DC: The World Bank, 2004.
- "Schooling, Family Background, and Adoption: Is It Nature or Is It Nurture?" with Erik Plug, **Journal of Political Economy**, June 2003, 111:3, 611-641.
- "Why Cooperate? Public Goods, Economic Power, and the Montreal Protocol," with Kurt Beron and Jim Murdoch, **Review of Economics and Statistics**, May 2003, 85:2, 286-297.
- "Neighborhood Housing Prices: The Precise Distinction of Homogeneous Submarkets based on Chow and Wald Tests," with Kyoun-Sup Chung, **Housing Studies Review**, May 2003, 11:1, 139-153.
- "Household Enterprises in Vietnam: Survival, Growth, and Living Standards," with Jonathan Haughton, **NghiΛn Cuu Kinh TΛ (Vietnam Economic Studies)**, 2003, no. 296 (pp. 44-57) and 297 (pp.30-40) (reprint in Vietnamese).
- "The Participation Decision versus the Level of Participation in an Environmental Treaty: A Spatial Probit Analysis," with James C. Murdoch and Todd Sandler, **Journal of Public Economics**, February 2003, 87:2, 337-362.
- "Rectangular and Wedge-Shaped Multivariate Normal Probabilities," **Economics Letters**, July 2000, 68:1, 13-20.
- "Household Enterprises," with Donald C. Mead, in Margaret Grosh and Paul Glewwe, eds., **Designing Household Survey Questionnaires for Developing Countries: Lessons from Fifteen Years of the Living Standards Measurement Study** (Washington DC: The World Bank, 2000), Chapter 18: Vol. 2, 105-137; Vol. 3, 349-406.
- "The Impact of Schooling and Cognitive Skills on Income from Non-Farm Self-Employment," in Paul Glewwe, ed., **The Economics of School Quality Investments in Developing Countries: An Empirical Study of Ghana**, (St. Martin's Press, New York, 1999), Chapter 6, 206-252.
- "Nonfarm Household Enterprises in Vietnam," in David Dollar, Paul Glewwe, and Jennie Litvack, eds., **Household Welfare and Vietnam's Transition**, (World Bank, Washington DC, 1998), Chapter 5, 137-178.
- "The Quantitative Methods Component in Social Science Curricula in View of Journal Content," **Journal of Policy Analysis and Management**, Fall 1997, 16:4, 621-629.
- "Public Capital and Private Productivity," with Chu-Ping C. Vijverberg and Janet L. Gamble, **Review of Economics and Statistics**, May 1997, 79:2, 267-278.
- "An Analysis of the Housing Market Before and After the 1989 Loma Prieta Earthquake," with Kurt J. Beron, James C. Murdoch and Mark A. Thayer, **Land Economics**, February 1997, 73:1, 101-113.
- "Monte Carlo Evaluation of Multivariate Normal Probabilities," **Journal of Econometrics**, January 1997, 76:1-2, 281-307.

- "Monte Carlo Evaluation of Multivariate Student's *t* Probabilities," **Economics Letters**, July 1996, 52:1, 1-6.
- "Returns to Schooling in Non-Farm Self-Employment: An Econometric Case Study of Ghana," **World Development**, July 1995, 23:7, 1215-1227.
- "Dual Selection Criteria with Multiple Alternatives: Migration, Work Status and Wages," **International Economic Review**, February 1995, 36:1, 159-185.
- "Comparing Earnings Profiles in Urban Areas of an LDC: Rural-to-Urban Migrants vs. Native Workers," with Lester Zeager, **Journal of Development Economics**, December 1994, 45:2, 177-199.
- "Job Complexity and Wages," with Hans van Ophem and Joop Hartog, **International Economic Review**, November 1993, 34:4, 853-872.
- "Educational Investments and Returns for Women and Men in Côte d'Ivoire," **Journal of Human Resources**, Fall 1993, 28:4, 933-974 (Symposium on Investment in Women's Human Capital and Development); reprinted in T. Paul Schultz, ed., **Investing in Women's Human Capital** (Chicago: University of Chicago, 1995), Ch. 11, 304-342.
- "Measuring the Unidentified Parameter of the Roy Model of Selectivity," **Journal of Econometrics**, May-June 1993, 57:1-3, 69-89.
- "Labor Market Performance as a Determinant of Migration," **Economica**, May 1993, 60:238, 143-160.
- "Measuring Income from Family Enterprises with Household Surveys," **Small Business Economics**, 1992, 4, 287-305; reprinted in Zoltan J. Acs, ed., **Small Firms and Economic Growth** (Cheltenham, UK: Edward Elgar Publ., 1994).
- "The Private Wage Sector in Côte D'Ivoire: Homogeneity or Heterogeneity?" with Jacques van der Gaag, **Southern Economic Journal**, October 1991, 58:2, 406-422.
- "Human Capital," in Frank N. Magill, ed., **Survey of Social Science: Economics** (Pasadena, CA.: Salem Press, Inc., October 1991), 987-993.
- "Profits from Self-Employment: A Case Study of Côte d'Ivoire," **World Development**, June 1991 19:6, 683-696.
- "Heteroskedasticity in Simultaneous Equation Systems: An Instrumental Variable Approach," with Si-Gyoung Lee, **Economics Letters**, 1991, 37:2, 133-138.
- "Selectivity and Distributional Assumptions in Static Labor Supply Models," **Southern Economic Journal**, January 1991, 57:3, 822-840.

- "Non-Farm Self-Employment and the Informal Sector in Côte d'Ivoire: A Test of Categorical Identity," **Journal of Developing Areas**, July 1990, 24:4, 523-542.
- "A Switching Regression Model of Public-Private Sector Wage Differentials in Peru: 1985-86," with Morton Stelcner and Jacques van der Gaag, **Journal of Human Resources**, Summer 1989, 24:3, 545-559.
- "Wage Differentials and Moonlighting by Civil Servants: Evidence from Côte d'Ivoire and Peru," with Morton Stelcner and Jacques van der Gaag, **World Bank Economic Review**, January 1989, 3:1, 67-95.
- "Wage Determinants in Côte D'Ivoire: Experience, Credentials and Human Capital," with Jacques van der Gaag, **Economic Development and Cultural Change**, January 1989, 37:2, 371-381.
- "A Switching Regression Model for Wage Determinants in the Public and Private Sectors of a Developing Country," with Jacques van der Gaag, **Review of Economics and Statistics**, May 1988, 70:2, 244-252.
- "Non-Normality as Distributional Misspecification in Limited Dependent Variable Models," **Oxford Bulletin of Economics and Statistics**, November 1987, 49:4, 417-430.
- "A Test of Heterogeneity of Family and Hired Labour in Asian Agriculture," with Anil B. Deolalikar, **Oxford Bulletin of Economics and Statistics**, August 1987, 49:3, 291-305.
- "Decomposing the Earnings Differentials in Peninsular Malaysia," **Singapore Economic Review**, April 1987, 32:1, 24-36.
- "Consistent Estimates of the Wage Equation When Individuals Choose Among Income-Earning Activities," **Southern Economic Journal**, April 1986, 52:4, 1028-1042.
- "Discrete Choice in Continuous Time as a Dynamic Programming Problem," **The American Economist**, Fall 1984, 28:2, 9-17.
- "Discrete Choices in a Continuous Time Model: Lifecycle Time Allocation and Fertility Decisions," in T.P. Schultz and K.I. Wolpin, eds., **Research in Population Economics**, Vol. 5 (JAI Press Inc., Greenwich, CT, 1984), 51-85.
- "The Heterogeneity of Family and Hired Labor in Agricultural Production: A Test Using District-Level Data From India," with Anil B. Deolalikar, **Journal of Economic Development**, December 1983, 8:2, 45-69.
- "Applying Game Theory to Library Networks," with Jacob Cohen, **Journal of the American Society of Information Science**, September 1980, 31:5, 369-374.

Selected Other Papers

- "Pregibit: A Family of Discrete Choice Models," with Chu-Ping C. Vijverberg, IZA Discussion Paper 6359, February 2012.
- "Betit: A Class That Nests Logit and Probit," IZA Discussion Paper 222, December 2000.
- "Measuring Performance in Living Standards," with Chu-Ping C. Vijverberg, October 1999.
- "Efficiency and Technological Change in Township-Village-Enterprises in China in 1983-1995," with Yong-Sheng Chen, *Political Economy Working Paper* No. 98-3, March 1998.
- "Non-Agricultural Family Enterprises in the Côte D'Ivoire: A Descriptive Analysis," Welfare and Human Resources Division, The World Bank, *LSMS Working Paper 46*, April 1988.
- "Testing for Bivariate Normality with the Type-AA Distribution," February 1986 (revised, November 1989).
- "Non-Normality in a Censored Two-Equation Model," *Discussion Paper 8508*, Illinois State University, June 1985.
- "Time Diary Surveys: What Can We Learn From Them?" with Leslie A. Laufer, *Center Discussion Paper 453*, Yale University, February 1984.
- "Production Functions with Factor-Oriented Scale Sensitivity," with John C.H. Fei and Chu-Ping C. Vijverberg, *Center Discussion Paper 447*, Yale University, December 1983.
- "Some Thoughts on Korliras' "Disequilibrium Macro-Economic Model"," Working Paper 125, Department of Economics, University of Pittsburgh, February 1981.
- "De Duur van de Werkloosheid" ("The Duration of Unemployment," in Dutch), with Wouter Siddré, Ab van Ravenstein, and Ko de Vries, *Discussion Paper 7605/G*, Institute of Economic Research, Erasmus University of Rotterdam, 224 pages, June 1976.

Research Reports

- "Non-Farm Household Enterprises in Vietnam: A Research Project using Data from VHLSS 2004, VHLSS 2002 and AHBS 2003," with Hoang Thi Thanh Huong, Nguyen Chien Tang, Nguyen Ngoc Que, Nguyen The Quan, Phung Duc Tung, and Vu Thi Kim Mao, The World Bank, Hanoi Office, July 2006.
- "Non-Farm Household Enterprises: Comparison of VHLSS and AHBS Concepts," The World Bank, Hanoi Office, June 2006.
- "Rural Investment Climate and Non-Farm Entrepreneurship in Living Standards Surveys." Agriculture and Rural Development, The World Bank. February 2005.

Teaching

Courses taught

Graduate Undergraduate

Labor Economics I Basic Techniques for Economics Research

Econometrics I Labor Economics

Applied Econometrics Intermediate Microeconomics

Panel Econometrics Business and Economics Forecasting

Development Economics Econometrics

Labor Markets in Developing Countries Development Economics

Seminar: Literature Survey and Research Introduction to Business and Economics

Seminar: Research Methods and Writing Statistics

Dissertation Committees

Supervised dissertations:

Yong-Sheng Chen, "The Relative Productive Efficiency of Township-Village-Enterprises in Mainland China," May 1997.

Janet Gamble, "Ambient Air Pollution and Daily Mortality in North Central Texas, 1990-1994: A Time Series Analysis," May 1997 (co-chair).

Hyo Park, "Migration: the impact of earnings, life events, and labor market conditions," April 1999.

Mohammed Rab, "Household Energy Demand in South Asia: An Approach towards Discrete/Continuous Models," November 2001.

Shungu Lokole, "Human Capital Investments: Child Education and Economic and Cultural Incentives and Constraints in Côte d'Ivoire," January 2004.

Kalpana Pai, "Academic Performance in Texas Schools: Micro-Econometric Models of Student Achievement," September 2004.

Kruti Dholakia, "Determinants of Birth Outcomes in Texas," July 2006.

Irene Ngugi, "The Effects of School Finance Equalization on Schooling Outcomes: A Study of the Robin Hood Policy in Texas," April 2007.

Priyanka Singh, "Earnings Risk and Occupational Choice," January 2008.

Chunbei Wang, "Self-employment among Hispanic and immigrant populations." August 2008.

Jielai Ma, "Heterogeneity: Diagnostic Tests and Modeling, with Applications in Unemployment Rate and Housing Data." Spring 2009.

Yu Xue, "Choices of Occupation, Education and Labor Supply." Fall 2010.

Lei Zhang, "Three Essays on Macro-Economics and Applied Econometrics." Summer 2011.

Emiko Fukase, "Essays on Globalization, Skills, and Development." Summer 2011.

Yan Jiang, "Essays on Labor Market Matching, Labor Mobility, and Educational Mismatch." Summer 2012.

Students' Choice Teacher Award

School of Social Sciences, University of Texas at Dallas, May 1999.

Other Employment

Professor, Economics Program, School of Economic, Political, and Policy Sciences, University of Texas at Dallas, September 1986 – August 2008 (promoted: September 1997, September 1991).

Post-Doctoral Fellow/Instructor, Economic Growth Center/Department of Economics, Yale University

September 1981 – July 1984

Consultant, The World Bank, Washington, D.C.

December 2001 – February 2010: Rural Investment Climate Surveys in developing countries: framework, methodology, questionnaires, and evaluation of pilot surveys.

Visitor

August 2003, July 2001, June – July 1999: NWO-Scholar, University of Amsterdam

July – August 2000: Institute for the Study of Labor (IZA), Bonn, Germany

July 1996: Tinbergen Institute, Erasmus University of Rotterdam

Miscellaneous

Research Fellow, Institute for the Study of Labor (IZA), Bonn, Germany, December 2000 – present Associate Editor, **Southern Economic Journal**, April 2006 – present.

Member, Editorial Board, **International Journal of Applied Economics**, January 2004 – December 2004.

Member, Editorial Board, Applied Economics Quarterly, August 2003 – present.

Best Paper Award, "Entrepreneurship Selection and Performance: A Meta-analysis of the Impact of Education in Industrial Countries," with Justin van der Sluis and Mirjam van Praag, presented at the 17th annual Research in Entrepreneurship and Small Business (RENT) conference at Lodz in Poland on November 20-21, 2003.

Andrew Mellon Predoctoral Fellowship, September 1979 – August 1981

Member, American Economic Association

Member, Chinese Economic Association of North America

Member, Econometric Society