

January, 2018

## **CURRICULUM VITAE**

### **Paul William Glewwe**

Department of Applied Economics  
University of Minnesota  
1994 Buford Ave.  
St. Paul, MN 55108  
(612) 625-0225 (phone)  
(612) 625-2729 (fax)

Home Telephone: (952) 941-9445  
Birth Date: April 4, 1958  
Marital Status: Married, 2 Children

E-mail: [pglewwe@umn.edu](mailto:pglewwe@umn.edu)  
website: <https://www.apec.umn.edu/people/paul-glewwe>

## **EDUCATION**

Ph.D. Economics, Stanford University, 1985  
Doctoral Thesis: "An Analysis of Income Distribution and Labor Markets in Sri Lanka"

B.A. Economics, University of Chicago, 1979

## **PROFESSIONAL EXPERIENCE**

*Professor*, Department of Applied Economics. University of Minnesota, 2006 - present.

*Visiting Researcher*, Department of International Development, Oxford University, Jan.-May, 2013

*Associate Professor*, Department of Applied Economics. University of Minnesota, 2001-2006.

*Visiting Researcher*, Laboratoire d'Economie Appliquée, Fédération Paris-Jourdan, Sept.-Dec. 2004.

*Assistant Professor*, Department of Applied Economics. University of Minnesota, 1999-2001.

*Senior Economist*, The World Bank, Policy Research Department. 1994-1999.

*Adjunct Professor*, Department of Economics, George Washington University. 1996-97.

*Economist*, The World Bank, Population and Human Resources Department. 1988-1993.

*Consultant*, The World Bank, Welfare and Human Resources Division, Pop. and Human Resources Dept. (previously Living Standards Unit, Development Research Dept.). 1986-1988.

*Assistant Professor*, Dept. of Agricultural Economics, Pennsylvania State University. 1985-86.

*Consultant*, The World Bank, Development Research Department. 1984-85.

## **PUBLICATIONS: Books, Authored or Edited**

*Education Policy in Developing Countries*. University of Chicago Press. 2013.

*Economic Growth, Poverty, and Household Welfare in Vietnam* (co-edited with Nisha Agrawal and David Dollar). The World Bank, Washington D.C., 2004.

*Designing Household Survey Questionnaires for Developing Countries: Lessons from 15 Years of the Living Standards Development Study* (co-edited with Margaret Grosh). Oxford University Press (for the World Bank), 2000.

*The Economics of School Quality Investments in Developing Countries: An Empirical Study of Ghana*. MacMillan Press, U.K. 1999.

*Household Welfare and Vietnam's Transition to a Market Economy* (co-edited with David Dollar and Jennie Litvack). The World Bank, Washington D.C., 1998.

## **PUBLICATIONS: Journal Articles**

“Do Community Factors Matter? An Analysis of the Achievement Gap between Indigenous and Non-Indigenous Children in Peru” (with Irma Arteaga). *International Journal of Educational Development* (forthcoming).

“The Impact of Providing Vision Screening and Free Eyeglasses on Academic Outcomes: Evidence from a Randomized Trial in Title 1 Elementary Schools” (with Kristine West and Jongwook Lee) *Journal of Policy Analysis and Management* (forthcoming)

“The Impact of Universal Health Coverage on Households' Consumption and Savings in Thailand” (with Phatta Kirdurang). *Journal of the Asia Pacific Economy* (forthcoming).

“Well Begun, but Aiming Higher: A Review of Vietnam's Education Trends in the Past 20 Years and Emerging Challenges” (with Hai-Anh Dang). *Journal of Development Studies* (forthcoming)

“Developing Hope Among Impoverished Children: Using Child Self-Portraits to Measure Poverty Program Impacts” (with Bruce Wydick and Phillip Ross). *Journal of Human Resources* (forthcoming).

“Do Schools Reinforce or Reduce Learning Gaps between Advantaged and Disadvantaged Students? Evidence from Vietnam and Peru” (with Sofya Krutikova and Caine Rolleston). *Economic Development and Cultural Change* 65(4):699-739. July 2017.

“Does Child Sponsorship Pay Off in Adulthood? An International Study of Impacts on Income and Wealth” (with Bruce Wydick and Laine Rutledge). *World Bank Economic Review* 31(2):434-458. June, 2017.

“An Analysis of Gender Differences in Household Education Expenditure: The Case of Thailand” (with Sasiwooth Wongmonta). *Education Economics* 25(2):183-204. April, 2017.

“Cognitive Skills, Noncognitive Skills, and the Employment and Wages of Young Adults in Rural China” (with Qiuqiong Huang and Albert Park). *Journal of Economic Behavior and Organization* 134(1):141-164. February, 2017.

“A Better Vision for Development: Eyeglasses and Academic Performance in Rural Primary Schools in China” (with Albert Park and Meng Zhao). *Journal of Development Economics* 122(1):170-182. September, 2016.

“School Infrastructure and Education Outcomes: A Literature Review with Special Reference to Latin America (with Ana Cuesta and Brooke Krause). *Economía* 17(1):95-130. Fall 2016.

“What Determines Learning among Kinh and Ethnic Minority Students in Vietnam? An Analysis of the Round 2 Young Lives Data” (with Qihui Chen and Bhagyashree Katare). *Asia and the Pacific Policy Studies* 2(3):494-516. September, 2015.

“An Assessment of the Impacts of Sri Lanka’s Programme for School Improvement and School Report Card Programme on Student’s Academic Progress” (with Harsha Aturupane, Renato Ravina, Upul Sonnadara and Suzanne Wisniewski). *Journal of Development Studies* 50(12):1647-1669. Dec. 2014.

“The Contribution of Education to Economic Growth in Sub-Saharan Africa: A Review of the Evidence” (with Eugénie Maiga and Haochi Zheng). *World Development* 59:379-393. July, 2014.

“Does International Child Sponsorship Work? A Six-Country Study of Impacts on Adult Life Outcomes” (with Bruce Wydick and Laine Rutledge). *Journal of Political Economy* 121(2): 393-436. April, 2013.

“Is Chronic Health a Normal Good? Evidence from the Effect of Hypertension Diagnosis on Food Consumption” (with Meng Zhao and Yoshifumi Konishi). *Journal of Health Economics* 32(2): 367-385. 2013.

“The Impact of School Quality, Socio-Economic Factors and Child Health on Students’ Academic Performance: Evidence from Sri Lankan Primary Schools” (with Harsha Aturupane and Suzanne Wisniewski). *Education Economics* 21(1):2-37. February, 2013.

“Does Smoking Affect Schooling? Evidence from Teenagers in Rural China” (with Meng Zhao and Yoshifumi Konishi). *Journal of Health Economics* 31(4):584-598. 2012.

“How Much of Observed Economic Mobility is Measurement Error? A Method to Remove Measurement Error, with an Application to Vietnam”. *World Bank Economic Review* 26(2): 236-264. 2012.

“Do Reductions in Class Size Raise Students’ Test Scores? Evidence from Population Variation in Minnesota’s Elementary Schools” (with Hyunkuk Cho and Melissa Whitler). *Economics of Education Review* 31(3):77-95. June, 2012.

“The Impact of the *Bolsa Escola/Familia* Conditional Cash Transfer Program on Enrollment, Drop Out Rates and Grade Promotion in Brazil” (with Ana Kassouf). *Journal of Development Economics* 97(2):505-517. March, 2012.

“Valuing the Public Benefits of the Education Provided by Public Universities: A Study of the University of Minnesota” (with Amy Damon). *Economics of Education Review* 30(6):1242-1261. December, 2011.

“The Impacts of School Management Reforms in Madagascar: Do the Impacts Vary by Teacher Type?” (with Eugenie Maiga). *Journal of Development Effectiveness* 3(4):435-469. December, 2011.

“Has Vietnam’s Economic Growth in the 1990’s Been Pro-Poor? An Analysis of Data from the Vietnam Living Standards Surveys” (with Hai-Anh Hoang Dang). *Economic Development and Cultural Change* 59(3):583-608. April, 2011.

“Impacts of Rising Food Prices on Poverty and Welfare in Vietnam” (with Linh Vu). *Journal of Agricultural and Resource Economics* 36(1):14-27. April, 2011.

“Teacher Incentives” (with Michael Kremer and Nauman Ilias). *American Economic Journal: Applied Economics* 2(3):205-227. July, 2010.

“What Determines Basic School Attainment in Developing Countries? Evidence from Rural China” (with Meng Zhao). *Economics of Education Review* 29(3):451-460. June, 2010.

“Many Children Left Behind? Textbooks and Test Scores in Kenya” (with Michael Kremer and Sylvie Moulin). *American Economic Journal: Applied Economics* 1(1):112-135. January, 2009.

“The Impact of Decentralized Data Entry on the Quality of Household Survey Data: Experimental Evidence from a Developing Country” (with Hai-Anh Dang). *World Bank Economic Review* 22(1):165-185. January, 2008.

“Measurement Error Bias in Estimates of Income and Income Growth among the Poor: Analytical Results and a Correction Formula”. *Economic Development and Cultural Change* 56(1):163-189. October, 2007.

“Over Two Hundred Million Children Fail to Reach their Developmental Potential in the First Five Years in Developing Countries” (with Sally Grantham-McGregor, Yin Bun Cheung, Santiago Cueto, Linda Richter and Barbara Strupp), *Lancet* 369:60-70. January, 2007.

“The Impact of Child Health and Nutrition on Education in Developing Countries: Theory, Econometric Issues and Recent Empirical Evidence” *Food and Nutrition Bulletin* 26(2):S235-S250. June, 2005.

“Retrospective vs. Prospective Analyses of School Inputs: The Case of Flip Charts in Kenya” (with Michael Kremer, Sylvie Moulin and Eric Zitzewitz). *Journal of Development Economics* 74(1):251-268. June, 2004.

“Economic Growth and the Demand for Education: Is there a Wealth Effect?” (with Hanan Jacoby). *Journal of Development Economics* 74(1):33-51. June, 2004.

“Schools and Skills in Developing Countries: Education Policies and Socioeconomic Outcomes” *Journal of Economic Literature* 40(2):436-482. June, 2002.

“Who Gained from Vietnam’s Boom in the 1990’s (with Michele Gragnolati and Hassan Zaman). *Economic Development and Cultural Change* 50(4):773-792. July 2002.

“The Impact of Early Childhood Nutritional Status on Cognitive Development: Does the Timing of Malnutrition Matter?” (with Elizabeth King). *World Bank Economic Review*, September 2001.

“Early Childhood Nutrition and Academic Achievement: A Longitudinal Analysis” (with Hanan Jacoby and Elizabeth King). *Journal of Public Economics*. September, 2001.

“The Role of the Private Sector in Education in Vietnam: Evidence from the Vietnam Living Standards Survey” (with Harry Patrinos). *World Development*, May, 1999.

“Why Does Mother’s Schooling Raise Child Health in Developing Countries? Evidence from Morocco”. *Journal of Human Resources*, Winter, 1999.

“Data Watch: The World Bank’s Living Standards Measurement Study Household Surveys (with Margaret Grosh). *Journal of Economic Perspectives*, Winter, 1998.

“Who is Most Vulnerable to Macroeconomic Shocks: Hypothesis Tests Using Panel Data from Peru” (with Gillette Hall). *Journal of Development Economics*, June, 1998.

“Estimating the Impact of Peer Group Effects on Socio-Economic Outcomes: Does the Distribution of Peer Group Characteristics Matter?” *Economics of Education Review*, January, 1997.

“A Test of the Normality Assumption in the Ordered Probit Model”. *Econometric Reviews*, February, 1997.

“The Relevance of Standard Estimates of Rates of Return to Schooling for Education Policy: A Critical Assessment”. *Journal of Development Economics*, December, 1996.

“The Determinants of School Attainment in Sub-Saharan Africa: A Case Study of Ghana” (with Nauman Ilias). *Journal of International Development*. May-June, 1996.

“Household Survey Data from Developing Countries: Progress and Prospects” (with Margaret Grosh). *American Economic Review* (Papers and Proceedings), May, 1996.

“An Eclectic Approach to Estimating the Determinants of Achievements in Jamaican Primary Education” (with Margaret Grosh, Hanan Jacoby and Marlaine Lockheed). *World Bank Economic Review*, May, 1995.

“An Economic Analysis of Delayed Primary School Enrollment in a Low Income Country: The Role of Early Childhood Nutrition” (with Hanan Jacoby). *Review of Economics and Statistics*, February, 1995.

“Student Achievement and Schooling Choice in Low Income Countries: Evidence from Ghana” (with Hanan Jacoby). *Journal of Human Resources*, Summer, 1994.

“Poverty, Inequality and Living Standards During Unorthodox Adjustment: The Case of Peru, 1985-1990” (with Gillette Hall). *Economic Development and Cultural Change*. July, 1994.

“Poverty and Human Development: An Emerging Consensus?” (with Harsha Atarupane and Paul Isenman). *American Economic Review* (Papers and Proceedings), May, 1994.

“The Three-Choice Multinomial Probit with Selectivity Corrections”. *Econometric Theory*. (Problems and Solutions Series), June 1992 (Problem), and June, 1993 (Solution).

“Unorthodox Adjustment and Poverty in Peru (with Gillette Hall). *Finance and Development*, December, 1992.

“Targeting Assistance to the Poor: Efficient Allocation of Transfers When Household Income is not Observed”. *Journal of Development Economics*, April 1992.

“The Willingness to Pay for Education for Daughters versus Sons: Evidence from Rural Peru” (with Paul Gertler). *World Bank Economic Review*, January 1992.

“The Poor in Latin America During Adjustment: A Case Study of Peru” (with Dennis de Tray). *Economic Development and Cultural Change*, October 1991.

“Investigating the Determinants of Household Welfare in Cote d’Ivoire”. *Journal of Development Economics*, April 1991.

“Household Equivalence Scales and the Measurement of Inequality: Transfers from the Poor to the Rich Could Decrease Inequality”. *Journal of Public Economics*, March 1991.

“The Willingness to Pay for Education in Developing Countries: Evidence from Rural Peru” (with Paul Gertler). *Journal of Public Economics*, August 1990.

“Identifying the Poor in Developing Countries: Definitions, Information and Policies” (with Jacques van der Gaag). *World Development*, June 1990.

“Measurement of Income Inequality Under Inflation: Correction Formulae for Three Inequality Measures”. *Journal of Development Economics*, January 1990.

“Economic Liberalization and Income Inequality: A Re-Examination of the Sri Lankan Experience”. *Journal of Development Economics*, March 1988.

“Response to Comments by Ravallion and Jayasuriya”. *Journal of Development Economics*, March 1988.

“Response to Comments by Pyatt and Isenman” (with Surjit Bhalla). *World Bank Economic Review*, May 1987.

“Unemployment in Developing Countries: Economist’s Models in Light of Evidence from Sri Lanka”, *International Economic Journal*. Winter 1987.

“The Distribution of Income in Sri Lanka in 1969-70 and 1980-81: A Decomposition Analysis”. *Journal of Development Economics*, December 1986.

“Growth and Equity in Developing Countries - A Reinterpretation of the Sri Lankan Experience. (with Surjit Bhalla) *World Bank Economic Review*, September 1986. (Reprinted in Deepak Lal, ed.,

*Development Economics, Volume II*, International Library of Critical Writings in Economics. Edward Elgar. United Kingdom).

## **PUBLICATIONS: Book Chapters**

“Analysis of Poverty Dynamics” (with John Gibson). *United Nations Handbook on Poverty Statistics* (forthcoming).

“Evidence of Impact of Interventions on Growth and Development during Early and Middle Childhood” (with Harold Alderman, Jere Behrman, Lia Fernald and Susan Walker). Chapter 7 in Bundy, D., et al. eds., *Child and Adolescent Health and Development* (Volume 8 of *Disease Control Priorities*, 3<sup>rd</sup> edition). The World Bank. 2017.

“Improving Education Outcomes in Developing Countries: Evidence, Knowledge Gaps and Policy Implications” (with Karthik Muralidharan), in E Hanushek, S. Machin and L. Woessmann, eds., *Handbook of the Economics of Education, Volume 5*. North Holland/Elsevier. 2016.

“‘Pro-Poor’ Growth and Children in Developing Countries: The case of Vietnam”, in J. Boyden and M. Bourdillon, eds., *Children Growing Up in Poverty: Multidisciplinary Approaches*. Palgrave Macmillan. 2012.

“Education Production Functions: Evidence from Developing Countries ” (with Sylvie Lambert) in Brewer, D. J. and P. J. McEwan, eds., *Economics of Education*. All the papers in that volume are also part of Baker, E., B. McGaw and P. Peterson, eds., *The International Encyclopedia of Education, 3rd Edition*, Elsevier. 2010.

“Teacher Incentives in the Developing World” (with Alaka Holla and Michael Kremer), in M. Springer, ed., *Performance Incentives: Their Growing Impact on American K-12 Education*. Brookings Institution Press. 2009.

“The Benefits and Costs of Alternative Strategies to Improve Educational Outcomes” (with Peter Orazem and Harry Patrinos), in B. Lomborg, ed., *Global Crises, Global Solutions* (second edition), Cambridge University Press. 2009.

“Three Proposals to Improve Education in Latin American and the Caribbean: Estimates of the Costs and Benefits of Each Strategy” (with Amy Damon) , in B. Lomborg, ed., *Latin American Development Priorities: Costs and Benefits*, Cambridge University Press. 2009.

“The Impact of Child Health and Nutrition on Education in Less Developed Countries” (with Edward Miguel), in T. P. Schultz and J. Strauss, eds., *Handbook of Development Economics, Volume 4*. North Holland. 2008.

“Children and Development” (with Amy Damon), in A. Dutt and J. Ros, eds., *International Handbook of Development Economics*. Edward Elgar. 2008.

“Nutrition in Developing Countries”, in L. Blume and S. Durlauf, eds., *The New Palgrave Dictionary of Economics, 2nd, Edition*. Palgrave/Macmillan. 2008.

“Education in Developing Countries”, in L. Blume and S. Durlauf, eds., *The New Palgrave Dictionary of Economics, 2nd, Edition*. Palgrave/Macmillan. 2008.

“Schools, Teachers, and Education Outcomes in Developing Countries” (with Michael Kremer). in E Hanushek and F. Welch, eds., *Handbook of the Economics of Education, Volume 2*. North Holland. 2006.

“Attaining Universal Primary Completion by 2015: How Much Will It Cost?” (with Meng Zhao), in J. Cohen, D. Bloom and M. Malin, eds., *Educating All Children: A Global Agenda*. MIT Press. 2006.

“Academic Research and Education Projects: Determining What Schools Need”, in Dean, Judith M., Julie Schaffner and Stephen L.S. Smith (eds.), *Attacking Poverty in the Developing World: Christian Practitioners and Academics in Collaboration*, World Vision & Authentic Media, 2005.

“An Overview of Questionnaire Design for Household Surveys in Developing Countries”, in *Household Sample Surveys in Developing and Transition Countries*. United Nations, Department of Economic and Social Affairs. 2005.

“Overview of the Implementation of Household Surveys in Developing Countries”, in *Household Sample Surveys in Developing and Transition Countries*. United Nations, Department of Economic and Social Affairs. 2005.

“Presenting Simple Descriptive Statistics from Household Survey Data” (with Michael Levin), in *Household Sample Surveys in Developing and Transition Countries*. United Nations, Department of Economic and Social Affairs. 2005.

“Using Multi-Topic Household Surveys to Improve Poverty Reduction Policies in Developing Countries”, in *Household Sample Surveys in Developing and Transition Countries*. United Nations, Department of Economic and Social Affairs. 2005.

"Markets, Human Capital, and Inequality: Evidence from China," (with Dwayne Benjamin, Loren Brandt and Guo Li), in *Inequality Around the World*, edited by Richard Freeman, Palgrave/Macmillan, 2002.

“Provision of Health Care and Education in Transitional Asia: Key Issues and Lessons from Viet Nam” (with Jennie Litvack), in A. Lu and M. Montes, eds., *Poverty, Income Distribution and Well-Being in Asia During the Transition*. Palgrave. 2002.

“A Guide to Living Standards Measurement Study Surveys” (with Margaret Grosh), in *Household Accounting: Experience and Concepts in Compilation*. Statistics Division. Department of Economic and Social Affairs. The United Nations. 2000.

“School Quality, Student Achievement and Fertility in Developing Countries: An Assessment of Current Knowledge and Recommendations for Future Research”, in G. Bledsoe, J. Casterline and J. Johnson-Kuhn, eds. *Education and Fertility in the Developing World*. National Academy of Sciences. Washington D.C. 1999.

“Using Nationally Representative Household Surveys for Food Policy Analysis: An Examination of the World Bank’s Living Standards Measurement Study Surveys (with Margaret Grosh). In J. von Braun



and D. Puetz, eds., *Data Needs for Food Policy in Developing Countries: New Directions for Household Surveys*, International Food Policy Research Institute, Washington, D.C., 1993.

“World Bank Efforts at Poverty Measurement in the Third World: The Living Standards Measurement Study.” in R. Teekens and B. van Praag, eds., *Analyzing Poverty in the European Community*. Eurostat. Luxembourg. 1991.

“The Poor During Adjustment: A Case Study of Cote d’Ivoire” (with Dennis de Tray). In *The Macroeconomic Policy Reforms, Poverty, and Nutrition: Analytical Methodologies*, Per Pistrup-Andersen, ed. Monograph No. 3. Cornell Food and Nutrition Policy Program, Cornell University. 1990.

“Trends in Self-Employment Income in Sri Lanka: 1969-70 to 1981-82”. In van Ginneken, ed., *Trends in Employment and Labour Incomes: Case Studies on Developing Countries*, International Labour Office, Geneva, 1988.

### **PUBLICATIONS: Book Reviews**

Review of *The Economics of Poverty*, by Martin Ravallion. *Journal of Economic Inequality* (forthcoming).

Review of *Chronicles from the Field: The Townsend Thai Project*, by Robert Townsend, Sombat Sakunthasathien and Rob Jordan. *Journal of Economic Literature*, March 2014, 52(1):215-217.

Review of *Why Poverty Persists: Poverty Dynamics in Asia and Africa*, by Bob Baulch. *Economic Development and Cultural Change*, January 2014, 62(2):417-422.

Review of *Land in Transition: Reform and Poverty in Rural Vietnam*, by Martin Ravallion and Dominique van de Walle. *Journal of Economic Literature*, June 2009, 47(2):534-537.

Review of *The Economic Organization of the Household (2<sup>nd</sup> edition)*, by Bryant, W. Keith, and Cathleen D. Zick. *American Journal of Agricultural Economics*, August, 2007, 89(3):820-821.

Review of *Poverty and Social Assistance in Transition Countries*, by Jeanine Braithwaite, Christiaan Grootaert and Branko Milanovic. *Journal of Economic Literature*, March 2003, 41(1):231-233.

Review of *Transforming the Asian Economy: The Unfinished Revolution*, by Mark W. Rosegrant and Peter B.R. Hazell. *American Journal of Agricultural Economics*, May 2003, 85(2):514-515.

Review of *World Development Report 2000/2001: Attacking Poverty*. *Agricultural Economics*, May, 2002. 27(1):85-87.

Review of *The Earthist Challenge to Economism: A Theological Critique of the World Bank*, by John B. Cobb, Jr. *Faith and Economics*, Spring 2001.

Review of *Basic Needs in Developing Countries*, by Frances Stewart. *Journal of Economic Literature*, September 1986.

### **CURRENT RESEARCH AND MANUSCRIPTS UNDER REVIEW**

“Evaluating of the Impact of Conditional Cash Transfers on Schooling: An Experimental Analysis of Honduras’ PRAF Program” (with Pedro Olinto).

“Decomposing Gaps in Student Learning in Developing Countries: Evidence from Vietnamese and Peruvian Panel Data” (with Sonya Krutikova and Caine Rolleston)

“The Impact of Providing Vision Screening and Free Eyeglasses on Academic Outcomes: Evidence from a Randomized Trial in Title 1 Elementary Schools” (with Kristine West and Jongwook Lee)

#### **MAJOR RESEARCH GRANTS (over \$100,000)**

World Bank Research Committee Grant, “Assessing the Quality and Socioeconomic Impact of Education in Sub-Saharan Africa”. RPO 674-57. 1988.

National Academy of Sciences, Committee on Scholarly Communication with the People’s Republic of China. Award to Study Household Behavior in Rural China (with Loren Brandt). 1991.

World Bank Research Committee Grant, “Improving Effectiveness and Efficiency in Developing Countries: The Case of Jamaica” (with Marlaine Lockheed). RPO 676-87. 1991.

World Bank Research Committee Grant, “Household Welfare during Viet Nam’s Transition to a Market Economy” (with David Dollar and Jennie Litvack). RPO 678-83. 1991.

Asian Development Bank Grant, “The Impact of Children Health and Nutrition on Educational Outcomes in a Developing Country: An Analysis of Longitudinal Data from Cebu, Philippines” (with Elizabeth King). 1994.

World Bank Research Committee Grant, “Increasing the Policy Relevance of LSMS Household Survey Data” (with Margaret Grosh). 1994.

World Bank Research Committee Grant, “Improving Primary Education in Kenya: A Randomized Evaluation of Different Policy Options”. 1996.

World Bank Research Committee Grant, “The Impact of Deworming Treatment on Primary School Performance in Busia, Kenya”. 1998.

World Bank Research Committee Grant, “Economic Growth and Household Welfare – Policy Lessons from Vietnam” (with Nisha Agrawal and David Dollar). 2000.

World Bank Research Committee Grant, “The Interaction of Health, Education and Employment in Western China” (with Li Guo, Emily Hannum, Albert Park and Alan Piazza). 2003.

Economic and Social Research Council and Department for International Development (U.K.). “Gansu Survey of Families and Children, Wave 3” (with Emily Hannum and Albert Park). 2006.

Research on Improving Systems of Education (RISE), which is funded by the Department for International Development (U.K.). “Research to Improve Vietnam’s Education System (with Joan DeJaghère and other researchers). 2016.

## **OTHER RELEVANT EXPERIENCE**

Implementation of Ghana Living Standards Survey, in cooperation with the Ghana Statistical Service. This includes: design of survey instruments, supervision of consultants, field testing, training of interviewers, supervisors and other survey staff, field visits to monitor the progress of the survey teams after data collection commenced, and advice on data management and subsequent analysis. 1986-1988.

Assistance to the Statistical Institute of Jamaica in the implementation of the Jamaican Survey of Living Conditions. Preparation of the preliminary reports on the survey. 1988-1990.

Implementation of the 1992-93 and 1997-98 Viet Nam Living Standards Survey, in cooperation with the General Statistical Office of Viet Nam. Funding was obtained from UNDP and the Swedish International Development Agency. 1991-1998. Continued working on the successor survey, the Vietnam Household Living Standards Survey, from 2002 to 2010.

Travel to the following countries for World Bank operational and research work: Cambodia, China, Cote d’Ivoire, Ghana, Honduras, Jamaica, Jordan, Kenya, Laos, Malaysia, Morocco, Philippines, Sri Lanka, Turkey and Viet Nam.

## **AWARDS:**

University of Minnesota Hueg-Harrison Award for Instructor/Graduate Student Mentor Relationship: 2005 (Hai-Anh Dang); 2006 (Meng Zhao); 2007 (Amy Damon).

Excellence in Refereeing Award: *American Economic Review* 2007-2008.

First Place, 2008 Boys Grades 7-8 Soccer, Edina, Minnesota (Paul was the coach!).

Second Place. 1<sup>st</sup> National Award for Studies on the *Bolsa Familia* Program. September 2008. Ministry of Social Development. Brasilia, Brazil (for paper written with Ana Lucia Kassouf that was published in *Journal of Development Economics* in 2012).

University of Minnesota Award for Global Engagement. 2012. This award is given to faculty and staff members in recognition of outstanding contributions to global education and international programs at the University of Minnesota or in their field or discipline.

Distinguished McKnight University Professor, University of Minnesota. 2013. This award is given “to honor and reward the University of Minnesota’s highest-achieving faculty who recently attained full professor status...”.

Outstanding Contributions to Postbaccalaureate, Graduate and Professional Education Award, University of Minnesota. 2015. “This honor is awarded to exceptional candidates nominated by colleges in their quest to identify excellence in graduate and professional education.”

### **GRADUATE STUDENT ADVISING (Main Advisor or Co-Advisor)**

#### **The Pennsylvania State University. Department of Agricultural Economics.**

<i>Name</i>	<i>Degree</i>	<i>Year</i>	<i>Current Employment</i>
Felicia LeClere	M.S.	1987	Inter-University Consortium for Political and Social Research

#### **The University of Minnesota. Department of Applied Economics**

<i>Name</i>	<i>Degree</i>	<i>Year</i>	<i>Current Employment</i>
Hai-Anh Dang	M.S.	2003	World Bank
Donna Leicach	M.S.	2003	Wells Fargo Advisors
Rocky Oishi	M.S.	2003	Japan International Cooperation Agency
Erlind Herfindahl	M.S.	2005	U.S. International Trade Commission
Hyunkuk Cho	M.S.	2005	Samsung Research Institute (South Korea)
Meng Zhao	M.S.	2006	Waseda University (Assistant Professor)
Hyunkuk Cho	Ph.D.	2007	Samsung Research Institute (South Korea)
Hai-Anh Dang	Ph.D.	2007	World Bank
Amy Damon	Ph.D.	2008	Macalester College (Assistant Professor)
Lan Pham	Ph.D.	2008	Congressional Budget Office
Shwetlena Sabarwal	Ph.D.	2008	World Bank
Linh Vu	Ph.D.	2008	World Bank (Hanoi, Vietnam)
Suzanne Wisniewski	Ph.D.	2008	University of St. Thomas (Assistant Professor)
Misty Heggeness	Ph.D.	2010	U.S. Department of Labor
Meng Konishi (Zhao)	Ph.D.	2010	Waseda University (Assistant Professor)
Eugenie Maïga	Ph.D.	2010	African Centre for Economic Transformation (Ghana)
Haochi Zheng	Ph.D.	2010	University of North Dakota (Assistant Professor)
Phatta Kirduang	Ph.D.	2011	Thammasat University (Assistant Professor)
Clinton Pecenka	Ph.D.	2011	Gates Foundation
Sakiko Shiratoi	Ph.D.	2011	Japan International Cooperation Agency
Shinya Takamatsu	Ph.D.	2011	World Bank
Uttam Sharma	Ph.D.	2012	University of Sydney (Australia) (post-doc)
Sung-Soo Lim	Ph.D.	2012	Loyola University Maryland
Sasiwooth Wongmonta	Ph.D.	2012	Burapha University, Thailand (Lecturer)
Qihui Chen	Ph.D.	2012	China Agricultural University, Beijing (Assistant professor)
Kristine West	Ph.D.	2012	St. Catherine’s University (Assistant professor)
Brooke Krause	M.S.	2012	Ph.D. Student
Won Fy Lee	M.S.	2012	Ph.D. Student
Sarah Humpage	Ph.D.	2013	Mathematica
Martha Rogers	Ph.D.	2014	The Brattle Group
Caroline Krafft	Ph.D.	2015	St. Catherine’s University (Assistant Professor)
Yoon Sun Hur	Ph.D.	2015	Korean Institute for International Economic Policy
Rodrigo Lovaton	Ph.D.	2015	Minnesota Population Center, University of Minnesota
Brooke Krause	Ph.D.	2016	The College of Wooster (Assistant Professor)
Aine Seitz McCarthy	Ph.D.	2016	Lewis and Clark College (Assistant Professor)

Akinori Kitsuki	Ph.D.	2017	Kyushu University (post-doc)
Adan Silverio	Ph.D.	2017	American University (post-doc)
Johanna Fajardo	Ph.D.	2017	Universidad EAFIT (Colombia)
Ana Cuesta	Ph.D.	2017	Inter-American Development Bank

## UNDERGRADUATE STUDENT ADVISING

Since the year 2000, I have been serving as the undergraduate advisor for about 8 students per year, of whom 2-3 graduate each year, which amounts to about 40 graduating students for the past 16 years.

## OTHER PROFESSIONAL ACTIVITIES:

Member of: American Economic Association  
Econometric Society  
Royal Economic Society

Editorial Board for: *American Journal of Agricultural Economics* (2014 - 2017)  
*Economics of Education Review* (since 2013)  
*Journal of African Economies* (since 2011)  
*Journal of the Asia Pacific Economy* (since 2008)  
*World Bank Economic Review* (2009 - 2016)

Advisory Board for: Abdul Latif Jameel Poverty Action Lab, MIT (2010 - 2014)  
LSMS-ISA (Integrated Surveys of Agriculture, World Bank (since 2009)  
Young Lives, Oxford University (since 2008)

Referee for: *American Economic Journal: Applied Economics*, *American Economic Review*, *American Journal of Agricultural Economics*, *Annales d'Economie et de Statistique*, *Applied Economic Perspectives and Policy*, *Australian Journal of Agricultural and Resource Economics*, *Bill and Melinda Gates Foundation*, *Cambridge University Press*, *Campbell Collaboration*, *Canadian Journal of Economics*, *Comparative Education Review*, *Demography*, *Eastern Economic Journal*, *Econometric Reviews*, *Econometrica*, *Economic and Social Research Council*, *Economic Development and Cultural Change*, *Economic Journal*, *Economica*, *Economics and Human Biology*, *Economics Letters*, *Economics of Education Review*, *Economics of Transition*, *Education Economics*, *Educational Evaluation and Policy Analysis*, *European Economic Review*, *European Review of Agricultural Economics*, *Evaluation Review*, *Faith and Economics*, *Fiscal Studies*, *Industrial Relations*, *International Economic Review*, *International Journal of Educational Development*, *Jahrbücher für Nationalökonomie and Statistik (Journal of Economics and Statistics)*, *Journal of African Economies*, *Journal of Applied Economics*, *Journal of the Asia Pacific Economy*, *Journal of Business and Economic Statistics*, *Journal of Comparative Economics*, *Journal of Development Economics*, *Journal of Development Studies*, *Journal of Econometrics*, *Journal of Economic Inequality*, *Journal of Economic Literature*, *Journal of Economic Theory*, *Journal of the European Economic Association*, *Journal of Health Economics*, *Journal of Human Resources*, *Journal of Institutional and Theoretical Economics*, *Journal of International Development*, *Journal of International Economics*, *Journal of Policy Analysis and Management*,

*Journal of Political Economy, Journal of Population Economics, Journal of Public Economics, Journal of Royal Statistical Society (Series A), Labour Economics, The Manchester School, MIT Press, National Academy of Sciences, National Science Foundation, Netherlands Organisation for Scientific Research, Oxford Bulletin of Economics and Statistics, Oxford Economic Papers, Oxford Review of Education, Prospects (UNESCO Quarterly Review of Comparative Education), Quarterly Journal of Economics, Review of Development Economics, Review of Economics and Statistics, Review of Economics of the Household, Review of Income and Wealth, Science, Social Problems, Social Science and Medicine, Sociology of Education, Southern Economic Journal, Spencer Foundation, Studies in Higher Education, Swiss National Science Foundation, World Bank Economic Review, World Bank Editorial Committee, World Development.*

Papers presented at numerous conferences, universities and research centers in North America, Europe, Africa, Asia and Latin America, including 1990 World Congress of the Econometric Society (Barcelona), 1992 World Congress of the International Economic Association (Moscow), and 1995 World Congress of Econometric Society (Tokyo).