

Nobuhiko FUWA

Associate Professor of Agricultural Economics
Graduate School of Science and Technology
Chiba University
648 Matsudo, Matsudo-City, Chiba 271-8510, Japan
Phone/Fax: 81-47-308-8932
E-mail: nfuwa@faculty.chiba-u.jp

Visiting Research Fellow
Southeast Asian Regional Center for
Graduate Study and Research
in Agriculture (SEARCA).
College, Los Baños, Laguna, Philippines

Education

University of California at Berkeley, Ph.D. in Agricultural and Resource Economics, 1995
Major field: Economic Development Minor field: Econometrics

<Dissertation>

Title: “Social Stratification and Mobility in a Philippine Village, 1962-1994”

Committee: Irma Adelman (Chair); David Zilberman; James N. Anderson.

Fieldwork: Barangay Cabanbanan, Pangasinan Province, Philippines (April-July, 1994).

University of California at Berkeley; M.S. in Agricultural and Resource Economics, 1991.

Waseda University, Tokyo, Japan; B.A. in Political Science, Mar. 1985. (1980-1985)

Beloit College, WI, USA, Exchange Student (1982-1983); Major field: International Relations.

Major Publications

“The Transformation of Hayami’s Village.” (with Jonna Estudillo, Yasuyuki Sawada, Kei Kajisa and Masao Kikuchi). In Keiji Otsuka (ed.). *Festschrift in Honor of Yujiro Hayami*. Forthcoming.

“How do People Cope With a Natural Disaster? The Case of Super Typhoon Milenyo in the Philippines” (with Yasuyuki Sawada, Jonna Estudillo and Kei Kajisa). In Liborio S. Cabanilla and Gideon P. Carnaje (eds.) *Development, Natural Resources and the Environment*. Los Baños : University of the Philippines, Los Baños, College of Economics and Management. 2009. pp. 116-150.

“Exploring Environmental Services Incentive Policies for the Philippine Rice Sector: The Case of Intra-Species Agro Biodiversity Conservation” (with Asa J. Sajise) in *Payment for Environmental Services in Agricultural Landscapes: Economic Policies and Poverty Reduction in Developing Countries*. Edited by Leslie Lipper, Takumi Sakuyama, Randy Stringer, and David Zilberman. Springer Press. 2009. pp. 221-238.

“The Challenge of ‘Endogeneity Problems’ and Recent Methodological Advances in Microeconomic Studies in Development Economics.” (in Japanese) *Journal of Rural Economics (Nogyo Keizai Kenkyu)*. Vol. 79, No. 4. 233-247. 2008.

Reasserting the Rural Development Agenda: Lessons learned and emerging Challenges. (co-edited with Arsenio Balisacan) Singapore and Los Baños: Institute of Southeast Asian Studies (ISEAS) and Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA). 2007

“Poverty and Vulnerability.” (with Arsenio Balisacan) in *Reasserting the Rural Development Agenda: Lessons learned and emerging Challenges*. (Arsenio Balisacan and Nobuhiko Fuwa, eds.) Singapore and Los Baños: Institute of Southeast Asian Studies (ISEAS) and Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA). 2007. pp. 121-158.

- “Are small-scale rice farmers in eastern India really inefficient?: Examining the effects of microtopography on technical efficiency estimates.” (with Christopher Edmonds and Pabitra Banik) *Agricultural Economics*. Vol. 36. pp. 237-248. 2007.
- “Pathways Out of Rural Poverty: A case study in Socio-Economic Mobility in the Rural Philippines.” *Cambridge Journal of Economics*, Vol. 31. pp. 123-144. 2007.
- “An Introduction to: A Study of Intrahousehold Resource Allocation and Gender Discrimination in Rural Andhra Pradesh, India.” (with Seiro Ito, Kensuke Kubo, Takashi Kurosaki and Yasuyuki Sawada) *Developing Economies*, Vol. 44, No. 4. December 2006. pp. 375-397.
- “Gender Discrimination, Intrahousehold Resource Allocation, and Importance of Spouse’s Fathers: an evidence on expenditure from rural Andhra Pradesh.” (with Seiro Ito, Kensuke Kubo, Takashi Kurosaki and Yasuyuki Sawada) *Developing Economies*, Vol. 44, No. 4. December 2006. pp. 398-439.
- “Whose Education Matters for Child Labor and School Enrollment? A case of rural Andhra Pradesh, India”(with Seiro Ito, Kensuke Kubo, Takashi Kurosaki and Yasuyuki Sawada) *Developing Economies*, Vol. 44, No. 4. December 2006. pp. 440-464.
- “On the Mother and Child Labor Nexus under Credit Constraints: findings from rural India”(with Seiro Ito, Kensuke Kubo, Takashi Kurosaki and Yasuyuki Sawada) *Developing Economies*, Vol. 44, No. 4. December 2006. pp. 465-499.
- “Intrahousehold Resource Allocation, Child Labor, and School Enrollment: Evidence from Rural India”(with Seiro Ito, Kensuke Kubo, Takashi Kurosaki and Yasuyuki Sawada) (in Japanese) *Economic Research (Keizaikenkyu)* Vol. 57, No. 4. October 2006. pp. 328-343.
- “Poverty Reduction in the ‘Tribal Belt’ of Eastern India.” (with Christopher Edmonds and Pabitra Banik) *Asia and Pacific Issues Brief. East-West Center*. No. 81. August 2006. Honolulu: East-West Center.
- “Filipina Encounters with Japan: Stories beyond the Stereotype from a Pangasinan Barangay.” (with James N. Anderson) *Philippine Studies*, Vol. 54, No. 1 2006. pp. 111-141.
- “Changes in Spatial Income Inequality in the Philippines: An Exploratory Analysis”(with Arsenio Balisacan) in *Spatial Disparities in Human Development: Perspectives from Asia*. (eds.) Ravi Kanbur, Tony Venables and Guanghua Wan. United Nations University Press. 2006. pp. 207-232.
- “Intrahousehold Analysis using Household Consumption Data: Would the potential benefit of collecting individual-level consumption data justify its cost?” Seiro Ito (ed.), *Agricultural Production, Household Behavior, and Child Labor in Andhra Pradesh*. Institute of Developing Economies Joint Research Program Series No. 135. 2005. pp. 105-171.
- “Going beyond Cross-country Averages: Growth, Inequality, and Poverty in the Philippines.” (with Arsenio Balisacan) *World Development*. Vol. 32, No. 11. 2004 . pp. 1891-1907.
- “The Political Economy of the Philippine Rural Development since the 1960s.” (with Arsenio Balisacan and Margarita Debuque). In T. Akiyama and D. Larson (eds.) *Rural Development and Agricultural Growth in Indonesia, the Philippines and Thailand*. Asia Pacific Press at the Australian National University 2004. pp. 214-293.
- “Growth, Inequality and Politics Revisited: A Developing-Country Case.” (with Arsenio M. Balisacan) *Economics Letters*. Vol. 79. 2003. pp. 53-58.

- “Exit Paths from Poverty and the Role of Education: a Philippine Case.” In Otsuka, Keijiro and Takashi Kurosaki (eds.) *Education and Economic Development: Toward Poverty Reduction in Developing Countries*. Tokyo: Toyokeizai Shinpo Sha. 2003. (in Japanese) pp. 271-299.
- “The Poverty and Heterogeneity among Female-Headed Households Revisited: The Case of Panama.” *World Development*. Vol. 28, No. 8. 2000. pp. 1515-1542.
- “Intrahousehold Analysis.” (with Shahidur R. Khandker, Andrew D. Mason and Tara Vishwanath). in *Designing Household Survey Questionnaires for Developing Countries: Lessons from Ten Years of LSMS Experience*. (eds.) Margaret Grosh and Paul Glewwe. New York: Oxford University Press. 2000. pp. 315-336.
- “Income Inequality and Development: the 1970s and 1980s Compared.” (with Irma Adelman). in *The Political Economy of Inequality (Frontier Issues in Economic Thought)*. (eds.) Frank Ackerman, Neva R. Goodwin, Laurie Doudherty and Kevin Gallagher. Island Press. 2000. pp. 309-313.
- “The Filipino ‘Entertainers’ in Japan.” *Philippine Studies*. Vol. 47, 1999. pp. 319-350.
- “An Analysis of Social Mobility in a Village Community: The Case of a Philippine Village.” *Journal of Policy Modeling*. Vol. 21, No.1. 1999. pp. 101-38.
- “Social Stratification and Mobility in a Pangasinan Barrio, 1962-1994.” *Pilipinas: A Journal of Philippine Studies*. No. 26. Spring, 1996. pp. 33-66.
- “Income Inequality and Development: the 1970s and 1980s Compared.” (with Irma Adelman), *Economie Appliquee*. Vol. XLVI No. 1. 1994. pp. 7-29. (Also reprinted in: *The Political Economy of Inequality (Frontier Issues in Economic Thought)*, Frank Ackerman, Neva R. Goodwin, Laurie Doudherty and Kevin Gallagher (eds.), Island Press, 2000)
- “Income Inequality and Development During the 1980s” (with Irma Adelman), *Indian Economic Review: Special Number in Memory of Shukhamoy Chakravarty*. Vol. XXVII. 1992. pp. 329-345.

Papers under review

- “Subsidy to Promote Girls’ Secondary Education: The Female Stipend Program in Bangladesh.” (with Shahidur R. Khandker and Mark M. Pitt), revise and resubmit. *Journal of Development Economics*.

Grants and Awards

- Japan Society for Promotion of Science Research Grant, 2009-2011 (research team member; Introducing Experimental Methods into the Formulation of Poverty Reduction Strategy in Asia)
- Japan Society for Promotion of Science Research Grant, 2007-2009 (Principal investigator; on rural poverty in Eastern India)
- Japan Society for Promotion of Science Research Grant, 2007-2009 (research team member; Philippine rural development)
- Japan Society for Promotion of Science Research Grant, 2001-2004 (research team member; institutional changes in rural Philippines)
- Japan Society for Promotion of Science Research Grant, 2000-2003 (Principal investigator; longitudinal study on a Philippine village)
- Global Security Research Center Research Grant on Interdisciplinary Study on Global Security, Keio University, 2000-2002 (team member)
- Post-doctoral Fellowship, East-West Center, Hawaii, 1995-1996
- Grant-in-Aid award, Center for Southeast Asia Studies, University of California at Berkeley, 1994

International Dissertation Fellowship (alternate), Social Science Research Council, 1993
Non-Resident Tuition Fellowship, University of California at Berkeley, 1992-1995
Research Assistantship, University of California at Berkeley, 1990-1995
International Development Center of Japan Graduate Study Fellowship, 1990-1992
Waseda Exchange Student Fellowship, 1982-83

Working Papers/ Reports

Land Reform, Rural Development, and Poverty in the Philippines: Revisiting the Agenda. Technical Working Paper. The World Bank, East Asia and the Pacific Region, Rural Development, Natural Resource and Environment Unit.

“The Role of Non-agricultural Sectors in Rural Poverty Reduction: A Case Study in Mindanao, Philippines” (in Japanese) (with Nao Takayama and Takao Yurugi). Mimeo. 2009.

“Alternative Pathways out of Rural Poverty in the Philippines: a descriptive study” (with Esther B. Marciano) A report submitted to the Rural Development Division, the World Bank Manila Office.

“How Does Credit Access Affect Children’s Time Allocation?: a Case Study in Rural India.” (with Seiro Ito, Kensuke Kubo, Takashi Kurosaki and Yasuyuki Sawada). IDE Discussion Paper No. 183. Chiba: Institute of Developing Economies. Jan. 2009.

“How do People Cope With a Natural Disaster? The Case of Super Typhoon Milenyo in the Philippines” (with Yasuyuki Sawada, Jonna Estudillo and Kei Kajisa). CEM Working Paper No. 2009-11. Los Baños : University of the Philippines, Los Baños, College of Economics and Management. Jan. 2009.

“Rural Development, Poverty Reduction and CARP Implementation.” in *Land Reform, Rural Development, and Poverty in the Philippines*. 2008. The World Bank.

“Mothers' Dilemma?: Credit Constraint, Mothers' Work and Gender Disparity in Intrahousehold Time Allocation in Rural India” (with Seiro Ito, Kensuke Kubo, Takashi Kurosaki and Yasuyuki Sawada). Mimeo 2007.

A methodology for predicting annual income and expenditure given one round of the Family Income and Expenditure Survey (FIES). A report submitted to the World Bank and the National Statistical Office of the Philippines. July 2007.

“Causes and Consequences of Sample Attrition in the Analysis of Economic Mobility: a Household Panel Survey in the rural Philippines.” Mimeo. 2007.

Toward Environmental Services Incentive Policies for the Rice Sector: a survey and a Philippine Case Study. A report submitted to Food and Agriculture Organization (FAO) of the United Nations. July 2006.

Report on the 2003 Livelihood System of Rural Household Survey in the Philippines. International Rice Research Institute (IRRI). 2006.

“How inefficient are small-scale rice farmers in eastern India really?: Examining the effects of microtopography on technical efficiency estimates.” (with Christopher Edmonds and Pabitra Banik) East-West Center Working Paper No. 79. Honolulu: East-West Center. May 2005.

“Natural Resource Endowments, Subsistence Agriculture, and Rural Poverty in Chhotanagpur Plateau” (with P.B. Banik, C.M. Edmonds, S.P. Kam, L. Villano and D.K. Bagchi) International Rice Research Institute Discussion Paper No. 47. Los Baños: International Rice Research Institute. May 2004.

- “Going beyond Cross-country Averages: Revisiting Growth, Inequality, and Poverty in the Philippines.” (with Arsenio Balisacan) Foundation for Advanced Studies on International Development (FASID) Discussion Paper Series on International Development Strategies No. 2001-005. Mar. 2002.
- “Evolution of Rural Poverty in Indonesia, the Philippines and Thailand.” A background paper prepared for a World Bank report, T. Akiyama and D. Larson (eds.) *Dynamism of Rural Sector Growth: Policy Lessons from East Asian Countries*. Washington, D.C.: World Bank.
- “Growth, Inequality, Politics and Poverty Reduction in the Rural Philippines, 1988-1997.” (with Arsenio Balisacan) A background paper prepared for a World Bank report, T. Akiyama and D. Larson (eds.) *Dynamism of Rural Sector Growth: Policy Lessons from East Asian Countries*. Washington, D.C.: World Bank.
- “Growth, Inequality, Politics and Poverty Reduction in the Philippines.” (with Arsenio Balisacan). University of the Philippines School of Economics Working Paper 0109 2001.
- “The Net Impact of the Female Secondary School Stipend Program in Bangladesh.” *The Technical Bulletin of Faculty of Horticulture Chiba University No. 55*. 2001.
- “A Note on the Analysis of Female Headed Households in Developing Countries.” *The Technical Bulletin of Faculty of Horticulture Chiba University No. 54*. 2000.
- “Politics and Economics of Land Reform in the Philippines: a survey.” A background paper prepared for a research project “Dynamism of Rural Sector Growth: Policy Lessons from East Asian Countries,” organized by the Development Research Group of the World Bank. 2000.
- “Measuring the Net Impact of the Female Secondary Stipend Program on Girls' Enrolment Using School-level Data in Bangladesh.” Mimeo. Poverty Reduction and Economic Management, The World Bank. 2000.
- Panama Poverty Assessment: Priorities and Strategies for Poverty Reduction*. Washington, D.C.: The World Bank. (poverty assessment team member)
- “Poverty and Female Headed Households in Panama.” *Panama Poverty Assessment Volume 2: Annexes*, The World Bank. 1999.
- “Intrahousehold Analysis using Household Consumption Data: A Survey of Policy Issues, Analytical Methodologies and Data Requirements.” (with Tara Vishwanath) mimeo. Poverty Reduction and Economic Management, The World Bank. 1998.

Professional Experience (full time)

Agricultural Economics Department, Graduate School of Science and Technology, Chiba University,
Associate Professor of Agricultural Economics, May 2002-present
[on leave Aug. 2002-Mar. 2004; Sept-Dec. 2004; Sept.-Dec. 2005]
Assistant Professor of Agricultural Economics. August 1998-Apr. 2002.

Responsibilities: Teach undergraduate and graduate courses, advise undergraduate and graduate students, participate in university administration, and develop original research programs in the area of development economics and agricultural economics. Courses taught include ‘Agricultural and Rural Finance,’ ‘Introduction to Microeconomics,’ ‘Rural Society and Gender,’ ‘Undergraduate Seminar on Agricultural Economics,’ and ‘Graduate Microeconomics.’

Social Sciences Division, International Rice Research Institute, International Research Fellow, Aug. 2002-Mar. 2004, Aug-Dec. 2004, Sept.-Dec. 2005.

Responsibilities: Design, organize and supervise the implementation of household-level surveys in the Philippines, supervise data processing and undertake data analysis and other research projects in understanding rural livelihood systems and rural poverty situations for rice research prioritization and impact assessment. Closely supervise household survey teams in the field during data collection. Engaged in 'qualitative' interviews in survey villages as supplementary data collection. Led mainly two research projects: (1) the analysis of an integrated biophysical and socioeconomic data set in Eastern India to analyze the determinants of poverty, of livelihood activities and of agricultural production; (2) the analysis of poverty dynamics and of the impact of changes in agricultural technologies on rural livelihood systems based on longitudinal household data from the rural Philippines.

Gender and Development Group, Poverty Reduction and Economic Management Network, The World Bank, Human Resources Economist, Sept. 1996-July 1998

Responsibilities: Conducted analytical research work on gender related issues in economic development as relevant to the Bank policy formulation and Bank's lending operations. Also provided operational support for the Bank's country operation departments as a specialist on gender analysis and poverty.

Major Projects:

"Panama Poverty Assessment: Analysis of Female Headed Household": As a member of the team analyzing Panama Living Standard Measurement Survey (household survey) as the basis for the Poverty Assessment, examined the poverty of female headed households in Panama and drew a few broad policy implications, and also provided comments on other working papers for Panama Poverty Assessment. This work led to a paper published in World Development (Feb.-May 1998)

"Nicaragua Poverty Assessment and Design of Nicaragua Living Standard Measurement Study (LSMS)": As a member of the team producing Nicaragua Poverty Assessment, was responsible for 'mainstreaming' gender perspectives in the Poverty Assessment and in the impact evaluation of Nicaragua Social Fund Program. In particular, among the team members designing the household questionnaire, was responsible for integrating necessary information for gender disaggregated analysis in the Living Standard Measurement Study and for designing an all-new 'time use' module of the LSMS. Also proposed potential gender related analyses for policy formulation purposes using the LSMS data. (Sept. 1997-July 1998)

"Gender Impact Evaluation of Projects": As a team member, was engaged in the development of methodologies for long-term as well as short and medium-term impact on women of projects financed by the World Bank. Also being involved in the collection and analysis of data on selected projects in order to implement the evaluation methods currently being developed. (Sept. 1997-July 1998)

"Intrahousehold Analysis for the renovation of Living Standard Measurement Studies (LSMS)" (a part of a research project by Poverty and Human Resources Division, Policy Research Department (PRDPH) of the World Bank): As a team member, thoroughly reviewed theoretical and empirical literature on intrahousehold and gender analysis using micro-level data and proposed a data collection guideline for intrahousehold analysis for the World Bank's standard household level survey scheme. Co-authored and presented in an authors' workshop a paper on "intrahousehold analysis," which was later published as a book chapter from Oxford University Press for the World Bank. Also prepared a separate paper on intrahousehold analysis of consumption data (focusing on major policy issues that require such analysis, types of data required, and methodologies for data collection and analysis). Also peer reviewed papers for modules other than intrahousehold analysis in the LSMS renovation project. (Sept. 1996 - June 1998)

East-West Center, Program on Education and Culture, Post-doctoral Fellow, Dec. 1995 - Aug. 1996

Responsibilities: The main purpose of the fellowship was to expand dissertation research into a book manuscript and/or other types of publication. Also during the term of the fellowship, other activities included preparation of manuscripts for journal articles based on the dissertation research, an own seminar presentation and participation in seminars at the East-West Center.

University of California at Berkeley, Department of Agricultural and Resource Economics, Graduate Student Researcher, Aug. 1990-1995

Responsibilities: With Professor Irma Adelman, was involved in the research project on cross-country study of the relationship between income distribution, on the one hand, and the process of economic development and macroeconomic policies, on the other, during the 1970s and the 1980s. The study has resulted in two joint papers.

Also as a research assistant to Professor Brian D. Wright, was involved in a research project on the economic analysis of the “suggestion system” in Japanese companies. Also was responsible for literature survey on some other subjects, collection of necessary data for empirical analyses, etc.

Engineering Consulting Firms Association (ECFA), Japan. Researcher, Nov. 1987-Jun. 1990

Responsibilities: As a research economist, was in charge of macroeconomic surveys and policy studies in developing economies; as a project economist was also involved in financial, economic and market analyses of development projects to be financed by Official Development Assistance; and was also engaged in the Association's activities to send fact finding missions to developing countries and in the negotiations with the government (MITI) officials to secure funding for those missions and other Association activities.

The Bank of Tokyo, Ltd., Japan. Corporate banking officer, Yaesudori Office (Apr. 1985-Nov. 1987)

Responsibilities: Was in charge of about 30 corporate customers which included foreign insurance companies, manufacturers, trading companies, and non-profit organizations. Duties ranged from arrangements and sales of different loan and investment facilities, provision of information on financial and foreign exchange markets, and the bank's business promotion in general.

Antioch College, USA. Teaching and Research Assistant (May-Jul. 1983)

Professional Experience (part time consultancy, etc.)

Institute of Developing Economies (Japan), Consultant, April 2009-Present.

Responsibilities: Contributing to the “Policy-implementing Group for African Development”, a group of IDE (Institute of Developing Economies) researchers and outside academics to assist CSR activities of private firms operating in Africa. Am responsible for drafting household survey questionnaires for baseline community studies to assess the needs of socio-economic development in the neighborhood of operating firms, development of a community development plan based on the baseline study and design of experimental policy interventions to address some of the socioeconomic development needs in the communities.

World Bank, Consultant, February 2008-Present.

Responsibilities: (1) Contributing to the World Bank Study “**Land Reform, Rural Development and Poverty in the Philippines: Revisiting the Agenda.**”: (A) Prepare a background paper for the report on (i) the role of agricultural growth in poverty reduction, and on (ii) the rural labor market; and (B) Contribute Chapter 3 of the Bank study report, which will address the issue of whether the agrarian reform program

can support the competitiveness of the small farm sector and the reduction of rural poverty.
(2) Also contributing a background paper for the World Bank research Project, **Inclusive Growth**. The paper analyzes household-level panel data in Central Luzon and Panay in an attempt to identify specific 'pathways out of rural poverty' by (i) assessing the relative importance of agricultural versus non-agricultural income sources as a main income source allowing the rural poor escape poverty and (ii) identifying specific non-agricultural income sources/occupations contributing escape from poverty.

World Bank, Consultant, April 2007-June 2007.

Responsibilities: “**A methodology for predicting annual income and expenditure given one round of the Family Income and Expenditure Survey (FIES)**”: Develop a best methodology to estimate the partially missing total household income and total household consumption expenditure data for the National Capital Region of the Philippines as a result of a fire at the National Statistical Office building in Manila, which destroyed some of the yet un-coded questionnaires for the first round of the 2006 Family Income and Expenditure Survey (FIES) data.

South East Asian Regional Center for Graduate Study & Research in Agriculture (SEARCA) (Philippines), Visiting Research Fellow, April 2006-present

Responsibilities: Serving as a co-editor (with Dr. Arsenio Balisacan) of, and contributing a co-authored chapter on poverty and vulnerability in Asia to, a forthcoming book on rural development in Asia (*Agricultural and Rural Development in Asia: Ideas, Paradigms and Policies Three Decades After*) to be published jointly by the Institute of Southeast Asian Studies (ISEAS) in Singapore and SEARCA. The book pulls together main rural development issues in Asia written by experts (e.g., Y. Hayami, J. Roumasset, J. Anderson, I. Coxhead, etc.). Also co-writing (with Dr. Arsenio Balisacan) a book manuscript on Philippine rural development (tentative title: *Anatomy of Rural Stagnation: Policies and Politics in the Philippines*). The book attempts to examine the causes of the Philippine rural stagnation with main foci on the evolution of (volatile) macroeconomy, of (often misguided) government policies and of (weak) institutions in the past few decades.

Food and Agriculture Organization (FAO), Consultant, May 2005-December 2006.

Responsibilities: “Environmental Service Module of Socio-Economic Analysis and Policy Implications of the Role of Agriculture”: As a part of the 2nd phase of FAO's 'Role of Agriculture' research project am leading a study exploring environmental service incentive schemes as potential instruments for environmental policy, using the rice sector externalities in the Philippine context as a case study. In particular, the study will highlight the implications of such policy instruments for poor households so as to examine to what extent such policies are consistent with poverty reduction goals.

Institute of Developing Economies (Japan), Consultant, April 2004-March 2006.

Responsibilities: “Child labor and intrahousehold resource allocation behavior in Andhra Pradesh”: A Microeconomic Analysis”: Serving as an advisor for a research project on the household decision on the schooling or labor activities of children within poor households in the Indian state of Andhra Pradesh. In particular, the research attempts to measure the impact of the activities of a highly reputable local NGO ('MV. Foundation') specializing in 'liberating' children from child labor and placing them to schools or 'bridge camps' (supplementary schooling for assisting the former out-of-school-children to be integrated into the regular school system) on the time allocation decisions of the households based on a panel data being collected. The project is expected to yield policy implications for education sector in areas with high incidence of child labor.

World Bank Institute, Consultant, June 2003-February 2004.

Responsibilities: “Thai National Statistical Office Capacity building”: Undertake preparatory work for capacity building in the area of poverty monitoring and policy analyses in Thailand through enhanced institutional

partnerships between the World Bank Institute and the National Statistical Office (NSO) in Thailand. Specific activities include: collecting background information on the role of NSO in the poverty analysis and monitoring system in Thailand, identification of the capacity building needs within NSO, and preparation of an action plan for provision of World Bank support with specified indicators of impact.

School of Economics, University of the Philippines at Diliman, Visiting Research Associate (part time), Oct. 2002- Sept. 2004.

Responsibilities: Completing a book manuscript on rural development in the Philippines coauthored with Professor Arsenio Balisacan, participating seminars and advising graduate students.

Japan International Cooperation Agency (JICA), Consultant. Jun.2001-Mar. 2002.

Contracted Project: Macroeconomic Policy Support for the Socioeconomic Development in the Lao PDR.

Responsibilities: As a team member of the Japanese expert advisory committee which produced a project report containing policy recommendations for the Lao government; was responsible for the section on poverty alleviation in the report.

Development Research Group, World Bank, Consultant. Sept. 1998- Jun. 2001.

Contracted Projects:

“Gender Impact Evaluation of Female Secondary School Stipend Programs in Bangladesh” (Gender and Development Group, Poverty Reduction and Economic Management Network, World Bank): As a member of a joint World Bank-Bangladesh Institute of Development Studies research team, was responsible for evaluating the impact of the female secondary school stipend programs financed by the Bangladesh government, the World Bank and the Asian Development Bank on school enrolment of both male and female students. The study investigated the impact of the programs on both institutional and household level outcomes, including school attendance, school performance, basic skills attainment and effects on the household members other than the secondary school-age girls (Jan. 1999-Jan. 2000).

“Dynamics of Rural Sector Development in East Asia” (Development Research Group, World Bank): As a research team member, was responsible for (1) completing a country study paper on the Philippines, describing rural development outcomes, government policies and political economy background for these policies in the past three decades in the Philippines, (2) as a country team leader for the Philippines, coordinated various other work regarding the Philippines among other team members and local consultants, (3) conducted a quantitative analysis of the effects of government policy instruments on rural poverty in the Philippines, and (4) completed a paper reviewing the evolution of poverty situations in Thailand, Indonesia and the Philippines. This work led to several published papers (Sept. 1998-Jan. 2001).

Other Publications

“The Asian Currency Crisis and Poverty: A Comment.” *The International Economy* Vol. 57. 2008. Pp. 73-75.

Book Translation

Development Microeconomics, by Pranab Bardhan and Christopher Udry (Oxford Univ. Press). (with Seiichi Fukui and Keiichiro Matsushita; Japanese translation), Tokyo: Toyo Keizai Shinpo Sha. 2001.

Book Reviews

Tylecote, A. and J. van der Straaten (eds.) Environment, Technology and Economic Growth: The Challenge to Sustainable Development. *American Journal of Agricultural Economics*. Feb. 2001.

Y. Hayami, M. Kikuchi, A Rice Village Saga: Three Decades of Green Revolution in the Philippines. in *Japanese Journal of Agricultural Economics*. (in Japanese) Fall 2000.

Conference Papers/Presentations

“The Changing Driver of Rural Poverty Reduction in the Philippines.” A Seminar Presentation at the World Bank Manila Office, June, 2009.

“Pathways out of poverty: does agricultural growth still hold the key?” (with Arsenio Balisacan). Paper presented at the Western Economic Association International, Pacific Rim Conference. March 24-27, 2009. Ryukoku University, Kyoto, Japan.

“Community Mechanisms in Hayami’s Village.” (with Jonna Estudillo, Yasuyuki Sawada, Kei Kajisa and Masao Kikuchi) Paper presented at Workshop on State, Community, and Market in Development. February 27-29, 2009. GRIPS, Tokyo, Japan.

“How do People Cope with a Natural Disaster?: The Case of Super Typhoon Milenyo in the Philippines.” (with Yasuyuki Sawada, Jonna Estudillo, and Kei Kajisa) 11th International Convention of the East Asian Economic Association. November 15-16, 2008. Manila.

“Assessing the Poverty Reduction Impact of the Comprehensive Agrarian Reform Program in the Philippines.” Xavier University, September 24, 2008.

“Assessing the Poverty Reduction Impact of the Comprehensive Agrarian Reform Program in the Philippines.” A presentation at the ODA Taskforce meeting at the Japanese Embassy in Manila. September 17, 2008.

“Rural Development, Poverty Reduction and CARP Implementation.” A paper presented at the 6th International Conference of the Asian Society of Agricultural Economists. Manila. August 30, 2008.

“Exploring Environmental Services Incentive Policies for the Philippine Rice Sector: The case of intra-species agro biodiversity conservation.” A paper presented at 2008 Rural Economics Society of Taiwan International Conference on Agricultural and Resource Economics. August 11, 2008. National Taiwan University, Taipei. (Conference Proceedings)

“Assisting the Philippine Government to Complete Land Reform” A paper presented at the Seminar on Capacity Development and Institutional Change in International Development Cooperation. July 17, 2008. Tokyo. JICA Institute for International Cooperation.

“Gender and Development: Development Microeconomics Approach.” (in Japanese) The Keynote Address at the Annual Conference of the Japanese Society of Regional and Agricultural Development (invited). December 2007. Kyoei University.

“The Asian Currency Crisis and Poverty.” An invited discussant on the Symposium on “10 Years After the Asian Currency Crisis: Lessons learned and future prospects”. The Japan Society of International Economics. October 2007. Waseda University.

"Mothers' Dilemma?: Credit Constraint, Mothers' Work and Gender Disparity in Intrahousehold Time Allocation in Rural India" A paper presented at "Advances in Development Economics The 30th Anniversary of Yotopoulos and Nugent 'Economics of Development: Empirical Investigations'." August 2007.

- “Exploring methodologies for predicting annual income and expenditure given one round of the Family Income and Expenditure Survey (FIES).” A Seminar Presentation at the World Bank Manila Office, June, 2007.
- “Mothers' Dilemma?: Credit Constraint, Mothers' Work and Gender Disparity in Intrahousehold Time Allocation in Rural India” (with Seiro Ito, Kensuke Kubo, Takashi Kurosaki and Yasuyuki Sawada) a paper presented at Theoretical Economics and Agriculture (TEA) Session, The Agricultural Economics Society of Japan Annual Meetings held at Okinawa International University, March 28, 2007.
- “Causes and Consequences of Sample Attrition in the Analysis of Economic Mobility: a Household Panel Survey in the rural Philippines.” A paper presented at the Development Strategy Research Program Hakone Meeting hosted by Foundation for Advanced Studies on International Development (FASID), Hakone, Japan. December 2006.
- “Intrahousehold Resource Allocation, Child Labor, and School Enrollment: Evidence from Rural India.” (with Seiro Ito, Kensuke Kubo, Takashi Kurosaki and Yasuyuki Sawada) A Paper to presented at the Philippine Economic Society 44th Annual Meeting, November 21-22, 2006.
- “Intrahousehold Resource Allocation, Child Labor, and School Enrollment: Evidence from Rural India.” (with Seiro Ito, Kensuke Kubo, Takashi Kurosaki and Yasuyuki Sawada) A Paper presented at the Northeast Universities Development Consortium (NEUDC) Conference at Cornell University, September 29-30, 2006.
- “Exploring Environmental Service Incentive Policies for the Philippine Rice Sector: intra-species biodiversity conservation.” (with Asa Sajise) Presented at the Learning Workshop on Environmental Service Incentive Policies organized by FAO at the 26th Conference of the International Association of Agricultural Economists, Goldcoast, Australia. August 12, 2006.
- “Poverty and Vulnerability in Asia.” (with Arsenio Balisacan) Paper presented at Agricultural and Rural Development in Asia: Ideas, paradigms and policies three decades after. organized by Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA). November 2005.
- “How inefficient are small-scale rice farmers in eastern India really?: Examining the effects of microtopography on technical efficiency estimates.” (with Christopher Edmonds and Pabitra Banik) Paper presented at the American Agricultural Economics Association Annual Meeting, July 2005.
- “Exploring New VLS Research Agenda.” Presented at a workshop Changes, Livelihood, and Policy: Village Level Studies (VLS), organized jointly by Yale University and International Crop Research Institute for Semi-Arid Tropics (ICRISAT). July 2005.
- “Exploring Environmental Service Incentive Policy Options in the Rice Sector: a Philippine case study.” (with Asa Sajise) Presentation at the Workshop on Environmental Services for Poverty Reduction and Food Security. United Nations Food and Agriculture Organization (FAO). May 2005.
- “Filipina Encounters with Japan: Diverse Stories from a Pangasinan Barangay.” (with James N. Anderson) Paper presented at the 7th International Conference on Philippine Studies, Leiden, The Netherland. June 2004.
- “Pathways from Poverty toward Middle Class: Determinants of Socio-Economic Mobility in a Pangasinan Village.” A paper presented at the School of Economics, University of the Philippines, Quezon City, Philippines. September 12, 2003.
- “Subsidy to Promote Girls' Secondary Education: The Female Stipend Program in Bangladesh.” (with Shahidur

R. Khandker and Mark M. Pitt) Annual Meeting of the Population Association of America. May 2003.

“Pathways from Poverty toward Middle Class: Determinants of Socio-Economic Class Mobility in the Rural Philippines.” A paper presented at the conference “Staying Poor: Chronic Poverty and Development Policy,” organized by Chronic Poverty Research Centre, University of Manchester. April 7-9 2003.

“Is Spatial Income Inequality Increasing in the Philippines?.” A paper presented at WIDER conference on “Spatial Inequality in Asia,” United Nation University, Tokyo. March 28-29, 2003.

“Pathways from Poverty: Determinants of Socio-Economic Class Mobility in the Rural Philippines.” A paper presented at the Rice Research Seminar at the International Rice Research Institute, Los Banos, Philippines. March 13, 2003.

“Pathways from Poverty toward Middle Class: Determinants of Socio-Economic Class Mobility in the Rural Philippines.” A paper presented at the Development Strategy Research Program Hakone Meeting hosted by Foundation for Advanced Studies on International Development (FASID), Hakone, Japan. December 2001.

“Growth, Inequality, and Poverty in the Philippines: Going beyond cross-country averages.” A paper presented at the Rice Research Seminar, International Rice Research Institute, Los Banos, Philippines. October, 2001.

“Growth, Inequality, and Poverty Reduction in the Philippines.” A paper presented at the School of Economics, University of the Philippines, Quezon City, Philippines. October, 2001.

“Growth, Inequality, Politics and Poverty Reduction in the Philippines, 1988-1997.” A paper presented at the Final Workshop for the “Dynamism of Rural Sector Development in East Asia,” a research project organized by the Development Research Group of the World Bank. March 17, 2001.

“Some Aspects of the Political Economy of Rural Development in the Philippines.” A paper presented at the Initiating Workshop for the “Dynamism of Rural Sector Development in East Asia,” a research project organized by the Development Research Group of the World Bank. June 24, 2000.

“Quantitative Analysis of the Effects of Government Policies on Rural Household Income: a research plan.” A paper presented at the Initiating Workshop for the “Dynamism of Rural Sector Development in East Asia,” a research project organized by the Development Research Group of the World Bank. October 17, 1998.

“Intrahousehold Analysis and Policy: Implications for Data Collection.” (co-authored with Shahidur Khandker, Andrew Mason and Tara Vishwanath) a paper presented at the Workshop “Designing Household Survey Questionnaires for Developing Countries: Lessons from Ten Years of LSMS Experience,” organized by Policy Research Department of the World Bank. June 11-13, 1997.

“Social Stratification and Mobility in a Pangasinan Barrio.” a paper presented at the 5th International Philippine Studies Conference, Honolulu, Hawaii, April 15, 1996.

“Class Mobility and Household Behavior in a Philippine Village.” a seminar presentation at the East-West Center, Honolulu, Hawaii. February 15, 1996.

“A Logit Analysis of Class Mobility in a Philippine Village.” a paper presented at Economic Development Seminar, Department of Economics, University of California at Berkeley. October 23, 1995.

“Dynamic Aspects of Social Stratification in Rural Philippines, 1962-94.” a paper presented at Theoretical Economics and Agriculture (TEA) Session, The Agricultural Economics Society of Japan Annual Meetings held at Kyushu University, April 2, 1995.

Research and Teaching Interests

Development Economics; Applied Econometrics; Household Modeling; Gender Issues; Intra-household Resource Allocation; Poverty and Income Distribution; Growth and poverty.

Professional Memberships

American Economic Association; American Agricultural Economics Association, International Society for Ecological Economics; International Association of Agricultural Economists; Philippine Economic Society; Japanese Agricultural Economics Association (associate editor (2006-2008): *Japanese Journal of Rural Economics*); editorial board member: *Asian Journal of Agriculture and Development*.

Referee for Academic Journals

World Development; Review of Development Economics, Asian Economic Journal; Contemporary Economic Policy; Japan and the World Economy, Journal of African Finance and Economic Development; Japanese Journal of Rural Economics; Southeast Asian Studies; Land Reform; Asian Journal of Agriculture and Development; Philippine Studies.

Languages

Japanese: native language
English: fluent
French: fair
Chinese: fair reading knowledge
Tagalog(Filipino): introductory level