

Tomoki FUJII (藤井朋樹)

May 2015

Associate Professor of Economics  
School of Economics  
Singapore Management University

### Education

PhD in Agricultural and Resource Economics, University of California, Berkeley, 2005.

Thesis Title: *Three essays on poverty mapping and targeting.*

Supervisors: Professor Alain de Janvry and Professor Elisabeth Sadoulet.

PhD in Multidisciplinary Sciences, University of Tokyo, 2003.

Thesis Title: *On environment and development: quantitative approach to educational aspects.*

Supervisor: Professor Takashi Okatsu

MS in Agricultural and Resource Economics, University of California, Berkeley, 2001.

MS in Multidisciplinary Sciences, University of Tokyo, 1999.

MS in Environmental Change and Management, University of Oxford, 1998.

BAS in General Systems Studies, University of Tokyo, 1997.

### Positions Held

Associate Professor, Singapore Management University, 2013-present.

Assistant Professor, Singapore Management University, 2005-2013.

Consultant, Asian Development Bank, 2014.

Short-term Consultant, World Bank, 2001-2006, 2008-2009, 2012-2014.

Consultant, United Nations World Food Programme, 2002-2003, 2007.

Consultant, Research on Poverty Alleviation (REPOA), 2007.

Research Assistant, Georgetown University, 2005.

Graduate Student Researcher, University of California, Berkeley: Agricultural and Resource Economics. 2001, 2004.

Graduate Student Instructor, University of California, Berkeley: Agricultural and Resource Economics. 2003.

Consultant, ORC Macro, 2002-2003.

Consultant, Electric Power Development Company Eco-Assist, 1998-1999.

Teaching Assistant, University of Tokyo, 1997, 1999-2000.

Intern, Nomura Research Institute, 1995-1997.

### Research Interests

Primary: Development, Environment, and Applied Econometrics

Secondary: Health and Statistics

### Awards and Fellowships

1. Best Paper Award, the 12<sup>th</sup> International Conference of the Society for Global Business and Economic Development (with R. Ishikawa). 2011.
2. Lee Foundation Fellowship for Research Excellence. 2006-2007.
3. John L. Simpson Memorial Fellowship. University of California, Berkeley. 2003-2004.
4. Higher Education Degree Program, Foundation for Advanced Studies in International Development. 2000-2002.
5. Scholarship Award, Japan Solar Power Society. 2000.
6. Murata Scholar, 1999. Declined fellowship.
7. New Century Scholarship, University of Oxford. 1997-1998.
8. Japan Scholarship Foundation 1st Category Scholar. 1997-2003.

### List of Publications

-Chapters in books (\* indicates refereed publication)

1. T. Fujii (2015) "Is urban food demand in the Philippines different from China?" In *China and ASEAN: Global Production Networks*, edited by Y.-C. Kim. Springer. Forthcoming.
2. T. Fujii (2011) "Environmental modelling for sustainable development: metaphysical limitations." In *Sustainable Development Weltanschauung: Beyond Theories into Reality*, edited by W.M. Har, S.F. Ong, and S.S. Kun. pp. 23-39. Pustaka Prinsip.
3. T. Fujii and D. Roland-Holst (2008) "How does Vietnam's accession to the World Trade Organization change the spatial incidence of poverty?" In *Globalization and the Poor in Asia: Can Shared Growth be Sustained?*, edited by M. Nissanke, and E. Thorbecke. pp. 47-89. Palgrave Macmillan.\*

4. T. Fujii (2007) “To use or not to use?: Poverty mapping in Cambodia.” In *More Than a Pretty Picture: Using Poverty Maps to Design Better Policies and Interventions*, edited by T. Bedi, A. Coudouel, and K. Simler. pp. 125-142. The World Bank.
5. T. Fujii (2006) “Commune-level estimation of poverty measure and its application in Cambodia.” In *Spatial Disparities in Human Development: Perspectives from Asia*, edited by R. Kanbur, A.J. Venables, and G. Wan. pp. 289-314. United Nations University Press.\*
6. R. Abe, H. Kubo, M. Shinoda, Y. Maruyama, T. Fujii, and H. Yamashita (1999) “Fifty keywords for environmental studies.” In *Understanding Environmental Study: New Edition*, edited by M. Sekido, pp. 155-161. Asahi Shinbun. (In Japanese).<sup>1</sup>
7. R. Abe, H. Kubo, M. Shinoda, Y. Maruyama, T. Fujii, and H. Yamashita (1999) “Fifty books for environmental studies.” In *Understanding Environmental Study: New Edition*, edited by M. Sekido, pp. 162-168. Asahi Shinbun. (In Japanese).<sup>2</sup>
8. K. Kikuchi, N. Kondo, T. Fujii, S. Miyata, M. Yasoshima, T. Yoshida, and H. Yamashita (1998) “Environmental issues for young generations.” In *Outlines for the Global Environment*, edited by K. Abe, pp. 144-165. Tokyo University Press. (In Japanese).<sup>3</sup>

-Refereed journal articles

9. T. Fujii (2015) “Impact of remittances on schooling in the Philippines: Does the relationship to the household head matter?” Forthcoming in *Asian Economic Journal*.
10. T. Fujii and R. Ishikawa (2013) “How does childbirth alter intrahousehold resource allocation?: Evidence from Japan.” *Oxford Bulletin of Economics and Statistics*. 75(3): 362-387.
11. T. Fujii (2013) “Impact of food inflation on poverty in the Philippines.” *Food Policy*. 39: 13-27.
12. T. Fujii (2013) “Modeling myopia: Application to non-renewable resource extraction.” *Mathematical Social Sciences*. 66(2): 95-104.
13. T. Fujii (2013) “Geographic decomposition of inequality in health and wealth: evidence from Cambodia.” *Journal of Economic Inequality*. 11(3): 373-392.

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<sup>1</sup> Original Title: 安部竜一郎・久保はるか・篠田真理子・丸山康司・藤井朋樹・山下英俊 (1999) 「新環境学のためのキーワード五十」 関戸衛編『新環境学がわかる』朝日新聞社, 155-161 頁.

<sup>2</sup> Original Title: 安部竜一郎・久保はるか・篠田真理子・丸山康司・藤井朋樹・山下英俊 (1999) 「新環境学のための五十冊」 関戸衛編『新環境学がわかる』朝日新聞社, 162-168 頁.

<sup>3</sup> Original Title: 菊地一佳・近藤直人・藤井朋樹・宮田幸子・八十島光子・吉田孝志・山下英俊 (1998) 「若い世代にとての地球環境問題」 阿部寛治編『概説地球環境問題』東京大学出版会, 143-165 頁.

14. T. Fujii and R. Ishikawa (2013) "Arrow-Fisher-Hanemann-Henry and Dixit-Pindyck option values under strategic interactions." *Strategic Behavior and the Environment*. 3(3): 169-183.
15. T. Fujii (2013) "Decomposing the changes of the Divisia price index: Application to inflation in the Philippines." *Economics Bulletin*. 33(1): 545-556.
16. T. Fujii and R. Ishikawa (2013) "A note on separability and intra-household resource allocation in a collective household model." *Review of Economics of the Household*. 11(1): 143-149.
17. T. Fujii and R. Ishikawa (2012) "Quasi-option value under strategic interactions." *Resource and Energy Economics*. 34(1): 36-54.
18. T. Fujii (2010) "Micro-level estimation of child undernutrition indicators in Cambodia." *World Bank Economic Review*. 24(3): 520-553.
19. T. Fujii (2008) "How well can we target aid with rapidly collected data? Empirical results for poverty mapping from Cambodia." *World Development*. 36(10): 1830-1842.
20. T. Fujii and L. Karp (2008) "Numerical analysis of non-constant pure rate of time preference: A model of climate policy." *Journal of Environmental Economics and Management*. 56(1): 83-101. Reprinted in G. Chichilnisky (ed.) (2010) *The Economics of Climate Change*. Edward Elgar.
21. C. Elbers, T. Fujii, P. Lanjouw, B. Özler, and W. Yin (2007) "Poverty alleviation through geographic targeting: How much does disaggregation help?" *Journal of Development Economics*. 83(1): 198-213.
22. T. Fujii and S. Miyata (2007) "Examining the socioeconomic impacts of irrigation in the southeast Anatolia region of Turkey." *Agricultural Water Management*. 88(1-3): 247-252.
23. T. Fujii and S. Ear (2002) "How does spousal education matter?: Some evidence from Cambodia." *Asian Development Review*. 19(1): 117-38.

-Conference proceedings

24. T. Fujii (2003) "Measuring the benefits of environmental education." In *the Proceeding of the 2003 Society for Environmental Economics and Policy Studies Conference*. pp. 224-225. (In Japanese).<sup>4</sup>
25. A.R. Henderson, R. Leutz, and T. Fujii (2002) "Potential for floating offshore wind energy in Japanese waters" In *the Proceeding of the Twelfth International Offshore and Polar Engineering Conference*. pp. 505-512.

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<sup>4</sup>Original Title: 藤井朋樹 (2003) 「環境教育の便益の測定」『環境経済・政策学会 2003 年大会要旨集』, 環境経済・政策学会, 224-225 頁.

26. T. Fujii (1999) “An estimation of the potential offshore wind power in Japan by satellite data.” In *the Proceeding Papers of the 1999 Japan Solar Energy Society and Japan Wind Energy Association Conference*. pp. 226-27.
27. T. Fujii, H. Yamashita, S. Okushima, and N. Goto (1999) “Prediction of economic impacts of global environmental policies using multi-sector general equilibrium model.” In *the Proceeding of the 1999 Society for Environmental Economics and Policy Studies Conference*. pp. 220-22. (In Japanese).<sup>5</sup>

-Other publications

28. P. Lim, B. Barrett, N. Steinbrecher, T. Fujii, T. Tschang, and L. Demeester (2011) “Corporate success and social good.” *The Business Times*. July 26, 2011. p. 27.
29. T. Fujii (2011) “Economics of sustainability.” *The Business Times*. June 30, 2011. p.19.
30. T. Fujii (2006) “Using the correct method to assess the poverty levels in small geographic areas.” *SMU Knowledge Hub*. August 2006. Singapore Management University.
31. T. Fujii (2000) “Exploring the feasibility of offshore wind power generation.” *Solar Energy*. 26(4), 86 (In Japanese).<sup>6</sup>

-Selected policy reports

32. World Bank (2010) *Philippines: Fostering more inclusive growth*. Report No. 49482-PH. Contributed to Chapter II with R. Velarde and U. Lächler.
33. Ministry of Health, Royal Government of Cambodia, United NITJ /R17 12 Tf 14.9895 015505(h

36. World Bank (2002) *Bulgaria poverty assessment*. Report No. 24516-BUL. Contributed to Chapter 1 with Calogero Carletto.

-Unpublished working papers

37. T. Fujii and A.S. Shonchoy (2015) "Fertility and rural electrification in Bangladesh" IDE Discussion Paper No. 521. Institute of Developing Economies, IDE-JETRO.
38. T. Fujii and D. Leung (2014) "Bound estimator of HIV prevalence: Application to Malawi." SMU Economics and Statistics Working Paper No. 17-2014. Singapore Management University.
39. T. Fujii (2014) "Dynamic poverty decomposition analysis: An application to the Philippines." ADBI Working Paper No. 466. Asian Development Bank Institute.
40. T. Fujii and R. van der Weide (2013) "Cost-effective estimation of the population mean using prediction estimators." World Bank Policy Research Working Paper No. 6509. The World Bank.
41. P.-L. Chang and T. Fujii (2012) "Country image and international trade." SMU Economics and Statistics Working Paper No. 29-2012. Singapore Management University.
42. T. Fujii (2008) "Two-sample estimation of poverty rates for disabled people: An application to Tanzania." SMU Economics and Statistics Working Paper No. 02-2008. Singapore Management University.

Research Grants

1. SMU Research Grant, 2014-15. "Poverty decomposition by regressions: Application to Vietnam and Nepal."
2. Research Grant, Tokyo Center for Economic Research. 2013-14. "Poverty decomposition analysis using regressions: Application to Tanzania and Côte d'Ivoire."
3. SMU Research Grant. 2013-2014. "Rural electrification and fertility in Bangladesh."
4. SMU Research Grant. 2012-2013. "Health spending and health outcomes: A panel-data analysis."
5. SMU Research Grant. 2011-2012. "Does the country's image affect the world trade?"
6. Research Grant, The Japan Economic Research Foundation. 2010-2011. "Studies on environment and development."
7. SMU Research Grant. 2010-2011. "Quasi-option value under strategic interactions."

8. Research Grant-in-Aid, Zengin Foundation for Studies on Economics and Finance. 2009-2010. "Optimal two sample estimation: theory and applications."
9. Research Grant, Matsushita International Foundation. 2008-2010, "Impact of Remittances on Education in the Philippines."
10. SMU Research Grant. 2008-2009. "Impact of inflation on the poor in the Philippines."
11. SMU Research Grant. 2008. "The more kids, the less mom's divvy?: Impact of childbirth on intrahousehold allocation of resources." *Journal of Human Capital* 2(2): 209-235.

Microeconomics Summer Research Seminar organized by the Asian Development Bank Institute, Tokyo, Japan.\*

Workshop on Poverty Reduction in Asia: Drivers, Best Practices and Policy Initiatives organized by the Asian Development Bank and Department of Economics at Sogang University, Seoul, South Korea.\*

Singapore Economic Review Conference 2013, Singapore, Singapore.

The Western Economic Association International Tenth Biennial Pacific Rim Conference, Tokyo, Japan.

SIBR-UniKL 2013 Kuala Lumpur Conference on Interdisciplinary Business & Economics Research, Kuala Lumpur, Malaysia.

2012 Asia Pacific Trade Seminar 2012, Singapore, Singapore.

The 13<sup>th</sup> International Convention of the East Asian Economic Association, Singapore, Singapore.

The 2012 Asia Meeting of the Econometric Society, New Delhi, India.

2011 The Association of Environmental and Resource Economists Winter Meeting, Denver, CO, United States.

The European Association of Environmental and Resource Economists 18<sup>th</sup> Annual Conference, Rome, Italy.

The 12<sup>th</sup> International Conference of the Society of Global Business and Economic Development, Singapore, Singapore (2).

The 10<sup>th</sup> Japan Economic Policy Association International Conference, Hyogo, Japan.

2010 The 9<sup>th</sup> Japan Economic Policy Association International Conference, Tokyo, Japan.

2009 The Western Economic Association International Eighth Biennial Pacific Rim Conference, Kyoto, Japan.

The 5<sup>th</sup> Australian Development Economics Workshop, Melbourne, Australia.

The 2009 Far Eastern and South Asian Meeting of the Econometric Society, Tokyo, Japan.

2008 RePEAT Tokyo Workshop organized by the National Graduate Institute for Policy Studies, Tokyo, Japan.\*

The 2008 Far Eastern and South Asian Meeting of Econometric Society, Singapore, Singapore.

Dynamics, Economic Growth, and International Trade, DEGIT – XIII, Manila, the Philippines.

The Thirty-Third FAEA Annual Conference, Hanoi, Vietnam.



- 2007 The 2007 KNSO International Conference on Growth, Distribution and Social Accounting Matrix, Daejeon, Korea.\*
- The 2007 Fall Meeting of Japanese Economic Association, Tokyo, Japan.
- The 2007 Far Eastern Meeting of Econometric Society, Taipei, Taiwan.
- The Second Empirical Micro Study Group, Singapore.
- 2006 The First Empirical Micro Study Group, Singapore.
- The Sixty-first Econometric Society European Meeting, Vienna, Austria.
- The Third World Congress of Environmental and Resource Economists, Kyoto, Japan.
- East Asia's Conference on Poverty Maps: Impacts and Usages, Siem Reap, Cambodia.\*
- 2005 The Third International Conference on Social Science Research, Orlando, FL, United States.
- UNU/WIDER Conference on the Impact of Globalization on the Poor in Asia. Tokyo, Japan.\*
- Pacific Conference for Development Economics, San Francisco, CA, United States.
- 2004 ESRI International User Conference, San Diego, CA, United States.\*
- International Seminar on Poverty Mapping sponsored by SMERU Research Institute, Jakarta, Indonesia.\*
- 2003 Society for Environmental Economics and Policy Studies Conference 2003. Tokyo, Japan.
- UNU/WIDER Conference on Spatial Inequality in Asia. Tokyo, Japan.\*
- 2002 International Symposium on Sustaining Food Security and Managing Natural Resources in Southeast Asia: Challenges for the 21st Century. Chiang Mai, Thailand.
- 1999 Japan Solar Energy Society and Japan Wind Energy Association Conference. Kyoto, Japan.
- Society for Environmental Economics and Policy Studies Conference 1999. Kyoto, Japan.

#### Seminar Presentations

- 2014 University of Paris—Dauphine, National Graduate Institute for Policy Studies, Institute of Development Economics (IDE-JETRO, Japan)
- 2013 Institute of Development Economics (IDE-JETRO, Japan)
- 2012 National Taiwan University, Nanyang Technological University, Kobe University, Waseda University

2011 Kobe University, Institute of Development Economies (IDE-JETRO, Japan), National  
Institute of Environmental Studies (NIES, Japan)

(10); *Food and Nutrition Bulletin*; *Food Policy* (2); *International Journal of Green Economics*; *Journal of Conflict Resolution*; *Journal of Economic Dynamics and Control*; *Journal of Economics and International Finance*; *Journal of Human Development and Capabilities*; *Journal of Population Economics*; *Population Studies*; *Regional Science and Urban Economics*; *Resource and Energy Economics*; *Singapore Economic Review* (5); *Technological Forecasting & Social Change* (2); *World Bank Economic Review* (4); *World Development* (5).

### Media Mentions & Appearances

Asia Scientist (Oct 7, 2014), Channel News Asia (Nov 29, 2006; Apr 7, 2011), CNBC (Sep 22, 2013), Knowledge@SMU (Jul 4, 2008), Shin Min Daily News (Jul 21, 2012), Straits Times (Apr 26, 2008; Sep 1, 2009; Nov 6, 2011; Jul 21, 2012), SMU Campus Radio (Aug 25, 2008), Today (Apr 2, 2008), 938LIVE (Jul 15, 2008).

### Other Professional Services

Member, Scientific Committee, The 4<sup>th</sup> International Conference on Entrepreneurship and Business Management 2015. 2015.

Member, Program Committee, Singapore Economic Review Conference 2015, 2015.

Member, Scientific Committee, DIAL Development Conference: Barriers to Development, 2014-2015.

Member, Program Committee, 5<sup>th</sup> Annual International Conference on Qualitative and Quantitative Economics Research. 2014-2015.

Member, Local Organizing Committee, Australasian Public Choice Conference 2013. 2012-2013.

Member, Scientific Committee, The 2<sup>nd</sup> International Conference on Entrepreneurship and Business Management 2013. 2013.

Member, Scientific Committee, The 1<sup>st</sup> International Conference on Entrepreneurship and Business Management 2012. 2012.

Member, Program Committee, The 18<sup>th</sup> European Association of Environmental and Resource Economists Meeting. 2011.

Member, Program Committee, The 12<sup>th</sup> International Conference of the Society of Global Business and Economic Development. 2010-2011.

Member, Panel of Experts on the Evaluation of Social Science Degrees from Japan, the Public Service Commission. 2009-2012.

Member, Local Organizing Committee, 2008 Far Eastern and South Asian Meeting of the Econometric Society. 2008.

### Professional Skills (in descending order of proficiency)

Computing skills: STATA, SAS, LaTeX, Ox, Perl, Matlab, Mapinfo, R, ArcView 3.2, C++, SPSS, GAMS, Mathematica, Emacs Lisp, JAVA, and VBA.

Languages: Japanese (native), English (fluent), Mandarin Chinese (good), and French (good).

### Courses Taught

- 2013/14     ECON118, Economic Development in Asia, 3 Sections (Term 2).  
              ECON 644, Environmental Economics, Business and Policy (Term 2).
- 2013/14     ECON118, Economic Development in Asia, 4 Sections (Term 2).  
              ECON 644, Environmental Economics, Business and Policy (Term 2).
- 2012/13     ECON118, Economic Development in Asia, 4 Sections (Term 1).
- 2011/12     ECON118, Economic Development in Asia, 4 Sections (Term 1).  
              ECON 644, Environmental Economics, Business and Policy (Term 2).  
              IDST302, Independent Study (Term 2).
- 2010/11     ECON118, Economic Development in Asia, 4 Sections (Term 1).  
              ECON644, Environmental Economics, Business and Policy (Term 2).
- 2009/10     ECON118, Economic Development in Asia, 4 Sections (Term 1).
- 2008/09     ECON118, Economic Development in Asia, 2 Sections (Term 2).  
              ECON213, Environmental Economics (Term 2).  
              THES603, Thesis Completion (Term 1).
- 2007/08     ECON118, Economic Development in Asia, 2 Sections (Term 2).  
              ECON213, Environmental Economics (Term 2).  
              ADVP603, Advanced Paper Completion (Term 3).
- 2006/07     STAT102, Introductory Statistics, 2 Sections (Term 2).  
              ECON213, Environmental Economics (Term 2).
- 2005/06     STAT102, Introductory Statistics, 3 Sections (Term 2).

### Executive Education

- 2013/14     IBM Business & Industry Insight Programme.

2012/13      ASEAN Community Program for the Thai Civil Service Commission.

Contact Information

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90 Stamford Road, Singapore 178903