

CURRICULUM VITAE

(March 15th, 2022)

Personal

Name: Shiro Takeda (武田 史郎)

Present Position: Professor
Faculty of Economics, Kyoto Sangyo University.

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GitHub Page: <https://github.com/ShiroTakeda>

Research Interest

Economic analysis of climate change mitigation policy, Immigration to Japan, Computable general equilibrium analysis

Education

2003 Ph.D (Economics), Hitotsubashi University

1999 Master of Arts (Economic), Graduate School of Economics, Waseda University

1995 Bachelor of Arts (Economics), Department of Economics, Waseda University

Professional Experience

2012.4- Professor, Faculty of Economics, Kyoto Sangyo University

2007.4-2012.3 Associate Professor, Faculty of Economics, Kanto Gakuen University

2005.4-2007.3 Assistant Professor, Faculty of Economics, Kanto Gakuen University

2003.4-2005.3 Lecturer, Faculty of Economics, Kanto Gakuen University

(Visiting Researcher)

- 2016.6- Visiting Researcher, Research Institute of Environmental Economics and Management, Waseda University.
- 2009.4-2012.3 Visiting Researcher, Sophia University.

Publications

- Takeda, S., Arimura, T.H. (2021) “A computable general equilibrium analysis of environmental tax reform in Japan with a forward-looking dynamic model.” *Sustainability Science*, 16(2), pp. 503-521, <https://doi.org/10.1007/s11625-021-00903-4>
- Asakawa K., Kimoto K., Takeda S., Arimura T.H. (2021) “Double Dividend of the Carbon Tax in Japan: Can We Increase Public Support for Carbon Pricing?” In: Arimura T.H., Matsumoto S. (eds) *Carbon Pricing in Japan*. Economics, Law, and Institutions in Asia Pacific. Springer, Singapore. https://doi.org/10.1007/978-981-15-6964-7_13
- Takeda S. (2021) “The Competitiveness Issue of the Japanese Economy Under Carbon Pricing: A Computable General Equilibrium Analysis of 2050.” In: Arimura T.H., Matsumoto S. (eds) *Carbon Pricing in Japan*. Economics, Law, and Institutions in Asia Pacific. Springer, Singapore. https://doi.org/10.1007/978-981-15-6964-7_10
- Takeda, Shiro, Arimura, Toshi H. and Sugino, Makoto (2019) "Labor Market Distortions and Welfare-Decreasing International Emissions Trading." *Environmental and Resource Economics*, 74(1), 271-293, <https://doi.org/10.1007/s10640-018-00317-4>
- Takeda, Shiro and Arimura, Toshi. H. (2018) “International Cooperation on Climate Policy from the Japanese Perspective,” Robert N. Stavins and Robert C. Stowe (eds) *International Cooperation in East Asia to Address Climate Change*, pp.23-26, Harvard Project on Climate Agreements, February 2018.
<https://www.belfercenter.org/sites/default/files/files/publication/harvard-project-east-asia.pdf>
- Yamazaki, Masato, and Takeda, Shiro (2017). “A Computable General Equilibrium Assessment of Japan’s Nuclear Energy Policy and Implications for Renewable Energy.” *Environmental Economics and Policy Studies*, 19 (3), 537-554, <http://doi.org/10.1007/s10018-016-0164-3>
- Takeda, Shiro, Arimura, Toshi H., Tamechika, Hanae, Fischer, Carolyn, & Fox, Alan K. (2014). “Output-based allocation of emissions permits for mitigating the leakage and competitiveness issues for the Japanese economy.” *Environmental Economics and Policy Studies*, 16(1), 89–110, <https://doi.org/10.1007/s10018-013-0072-8>

- Yamazaki, Masato and Takeda, Shiro (2013). “An assessment of nuclear power shutdown in Japan using the computable general equilibrium model.” *Journal of Integrated Disaster Risk Management*, 3(1), 36–55.
<http://doi.org/10.5595/idrim.2013.0055>
- Takeda, Shiro (2010) “A computable general equilibrium analysis of the welfare effects of trade liberalization under different market structures”, *International Review of Applied Economics*, Vol.24, No.1, pp.75-93, <http://doi.org/10.1080/02692170903424307>
- Takeda, Shiro (2007) “The double dividend from carbon regulations in Japan”, *Journal of the Japanese and International Economies*, Vol. 21, Issue 3, pp. 336-364.
<http://dx.doi.org/10.1016/j.jjie.2006.01.002>
- Takeda, Shiro (2005) “The effect of differentiated emission taxes: does an emission tax favor industry?” *Economics Bulletin*, Vol.17, No.3, pp.1-10.
<http://www.accessecon.com/pubs/EB/2005/Volume17/EB-04Q20009A.pdf>
- Takeda, Shiro (2001) “International Income Transfers under Technological Uncertainty”, *Hitotsubashi Journal of Economics*, Vol.42, No.2, pp.141-155.
<http://hdl.handle.net/10086/7696>

Conference and Seminar Presentations

- 2019.08 "A Computable General Equilibrium Analysis of Environmental Tax Reform in Japan," The 8th Congress of the East Asian Association of Environmental and Resource Economics (EAAERE), August 2-4, 2019, Beijing, China.
- 2018.03 "A Computable General Equilibrium Analysis of Environmental Tax Reform in Japan," Workshop of Carbon Pricing Mechanism in China and Japan, Monday, March 12, 2018 at Tsinghua University.
- 2017.09 “A Computable General Equilibrium Analysis of CO2 Regulation and Nuclear Phase-Out Policy in Japan”, presented at 15th IAEE European Conference 2017, 'HEADING TOWARDS SUSTAINABLE ENERGY SYSTEMS: EVOLUTION OR REVOLUTION?' 3rd to 6th, September 2017, Hofburg Congress Center, Vienna, Austria.
- 2017.08 “A CGE Analysis of CO2 Regulation and Nuclear Phase-Out Policy in Japan”, Workshop for “Trade and/or environment”, August 29th, 2017, at the Faculty of Economics at Chulalongkorn University.
- 2016.08 “A CGE Analysis of CO2 regulation and Renewable Energy Policy in Japan”, The Sixth Congress of the East Asian Association of Environmental and Resource Economics (EAAERE), August 7-10, 2016, Kyushu Sangyo University, Fukuoka, Japan.

- 2016.03 “A CGE Analysis of CO2 regulation and Renewable Energy Policy in Japan”, Workshop on Sustainable Energy Policy in the US and Japan: The Role of Renewable Energy and Energy Efficiency, Resources for the Future, March 11, 2016.
- 2015.10 Labor Market Distortions and Welfare-Decreasing International Emissions Trading”, Centre for Banking Studies, Central Bank of Sri Lanka, Rajagiriya, Colombo, Sri Lanka.
- 2015.08 “Labor Market Distortions and Welfare-Decreasing International Emissions Trading”, The 5th Congress of the East Asian Association of Environmental and Resource Economics (EAAERE), 2015/08/05-08, Campasu of Academia, Sinica, Taipei, Taiwan.
- 2014.09 “A Computable General Equilibrium Analysis of Nuclear Phase-out and Feed-in Tariff in Japan”, (Coauthors: Masato Yamazaki, Toshi H. Arimura), 4th IAEE Asian Conference, 2014/09/19, GICC(Geosciences International Conference Center, China University of Geosciences), Beijing, China.
- 2011.12 “An Economic Analysis of Linking Domestic Emission Trading Schemes with a Dynamic CGE Model”, ZEW Workshop, Mannheim, December 13th, 2011.
- 2010.11 “Economic Analysis of Linking Domestic Emission Trading Scheme” (Coauthors: Makoto Sugino, Toshi Arimura), Seminar at University of Hawaii.
- 2010.10 “Output-Based Allocation of Emissions Permits for Mitigating Carbon Leakage for the Japanese Economy” (Coauthors: Toshi Arimura, Hanae Tamechika, Carolyn Fischer, Alan K. Fox), IGES seminar, October 1st.
- 2010.08 “Output-Based Allocation of Emissions Permits for Mitigating Carbon Leakage for the Japanese Economy” (Coauthors: Toshi Arimura, Hanae Tamechika, Carolyn Fischer, Alan K. Fox), The 1st Congress of East Asian Association of Environmental and Resource Economics, August 17-19, 2010, Sapporo, Japan.
- 2010.06 “Output-Based Allocation of Emissions Permits for Mitigating Carbon Leakage for the Japanese Economy” (Coauthors: Toshi Arimura, Hanae Tamechika, Carolyn Fischer, Alan K. Fox), Fourth World Congress of Environmental and Resource Economists, June 28 to July 2, 2010, Montreal, Canada.
- 2010.05 “Output-Based Allocation of Emissions Permits for Mitigating Carbon Leakage for the Japanese Economy” (Coauthors: Toshi Arimura, Hanae Tamechika, Carolyn Fischer, Alan K. Fox), 2010, Tokyo University, Sustainable Management Forum of Japan
- 2010.02 “Output-Based Allocation of Emissions Permits for Mitigating Carbon Leakage for the Japanese Economy” (Coauthors: Toshi Arimura, Hanae Tamechika, Carolyn

Fischer, Alan K. Fox), Carbon Policies, Competitiveness, and Emissions Leakage: An International Perspective Workshop co-sponsored by Resources for the Future (RFF), Sophia University, and the U.S. Environmental Protection Agency (EPA).

2009.11 “Output-Based Allocation of Emissions Permits for Mitigating Carbon Leakage for the Japanese Economy” (Coauthors: Toshi Arimura, Hanae Tamechika, Carolyn Fischer, Alan K. Fox), 2nd workshop of Sophia University Center for the Environment and Trade Research.

2009.09 “Output-Based Allocation of Emissions Permits for Mitigating Carbon Leakage for the Japanese Economy” (Coauthors: Toshi Arimura, Hanae Tamechika, Carolyn Fischer, Alan K. Fox), Resources for the Future Lunch seminar.

Awards

- 2011.9: SEEPS Young Achievement Award, The Society for Environmental Economics and Policy Studies

Research Grants

- 2018-2020: Grants-in-Aid for Scientific Research, Japan Society for the Promotion of Science, Grant-in-Aid for Scientific Research (C), No. 18K01633.
- 2017-2019: Environment Research and Technology Development Fund of the Environmental Restoration and Conservation Agency of Japan, No. 2-1707.
- 2015-2017: Grants-in-Aid for Scientific Research, Japan Society for the Promotion of Science, Grant-in-Aid for Scientific Research (C), No. 15K03479
- 2012-2014: Grants-in-Aid for Scientific Research, Japan Society for the Promotion of Science, Grant-in-Aid for Scientific Research (C), No. 24530263
- 2012-2014: Ministry of the Environment.
- 2009-2011: Ministry of the Environment.
- 2007-2008: Grants-in-Aid for Scientific Research, Japan Society for the Promotion of Science, Grant-in-Aid for Young Scientists (B), No. 19730206

Skill

- Programming in GAMS (General Algebraic Modelling Systems) and Emacs Lisp.
- LaTeX

Reviewer

- *Climate Change Economics*
- *Economics of Disasters and Climate Change*

- *Energy Economics*
- *Environment and Development Economics*
- *Environmental Economics and Policy Studies*
- *Environmental Modeling & Assessment*
- *Hitotsubashi Journal of Economics*
- *Japan and the world economy*
- *Journal of Asian Economics*
- *Journal of the Japanese and International Economies*