

# CURRICULUM VITAE

(March 12th, 2021)

## Personal

Name: Shiro Takeda (武田 史郎)

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

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<https://scholar.google.com/citations?user=A5dCHTYAAAAJ>

ResearchGate: [https://www.researchgate.net/profile/Shiro\\_Takeda](https://www.researchgate.net/profile/Shiro_Takeda)

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](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](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 15<sup>th</sup> IAEE European Conference 2017, 'HEADING TOWARDS SUSTAINABLE ENERGY SYSTEMS: EVOLUTION OR REVOLUTION?' 3<sup>rd</sup> to 6<sup>th</sup>, 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 CO<sub>2</sub> 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 5<sup>th</sup> 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 13<sup>th</sup>, 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 1<sup>st</sup>.
- 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), 2<sup>nd</sup> 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*