

Nori Tarui
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Department of Economics
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PROFESSIONAL POSITIONS

Associate Professor	August 2010-
Department of Economics, University of Hawaii-Manoa Graduate Chair, August 2010-July 2013	
Research Fellow	August 2014-
University of Hawaii Economic Research Organization (UHERO)	
Visiting Associate Professor	July 2013-December 2013
Department of Applied Economics, University of Minnesota-Twin Cities	
Visiting Associate Professor	January 2014-May 2014
Institute of Economic Research, Hitotsubashi University	
Assistant Professor	2006-2010
Department of Economics, University of Hawaii-Manoa	
Earth Institute Fellow	2004-2006
The Earth Institute, Columbia University	
Instructor	2005-2006
School of International and Public Affairs, Columbia University	
Graduate Assistant	2000-2004
Department of Applied Economics, University of Minnesota-Twin Cities	
Visiting Lecturer	2003
Department of Agricultural Economics, University of Wisconsin-River Falls	

EDUCATION

PhD Agricultural and Applied Economics, University of Minnesota	2004
MA Economics, Keio University	1999
BA Economics, Keio University	1997
University of Wisconsin-Madison (exchange study)	1995-96

FIELDS OF INTEREST

Environmental and Resource Economics, Applied Microeconomics, Applied Game Theory

RESEARCH PAPERS

Publications

Sherstyuk, Katerina, Nori Tarui, Majah-Leah V. Ravago, and Tatsuyoshi Saijo "Inter-Generational

- Games with Dynamic Externalities and Climate Change Experiments," accepted, *Journal of the Association of Environmental and Resource Economists*, August 2015. (Earlier version available as UH Manoa Department of Economics Working Paper 13-20.)
- Konishi, Yoshifumi and Nori Tarui, "Emissions Trading, Firm Heterogeneity, and Intra-Industry Reallocations in the Long Run." *Journal of the Association of Environmental and Resource Economists*, 2(1) 1-42, 2015. (Earlier version available as the Center for Economic Institutions Working Paper 2014-1, Institute of Economic Research, Hitotsubashi University.)
- Yomogida, Morihiro and Nori Tarui "Emission Taxes and Border Tax Adjustments for Oligopolistic Industries," *Pacific Economic Review*, 18 (5) 644-673, 2013.
- Sherstyuk, Katerina, Nori Tarui, and Tatsuyoshi Saijo "Payment schemes in infinite-horizon experimental games," *Experimental Economics*, 16 (1) 125-153, 2013.
- Heal, Geoffrey and Nori Tarui "Investment and Emission Control under Technology and Pollution Externalities," *Resource and Energy Economics*, 32 (1) 1-14, 2010.
- Tarui, Nori, C. F. Mason, S. Polasky, and G. M. Ellis "Cooperation in the Commons with Unobservable Actions." *Journal of Environmental Economics and Management*, 55 (1) 37-51, 2008.
- D'Evelyn, Sean T., Nori Tarui, Kimberly Burnett, and James A. Roumasset "Learning-by-Catching: Uncertain Invasive-Species Populations and the Value of Information." *Journal of Environmental Management*, 89(4) 284-292, 2008.
- Tarui, Nori "Inequality and Outside Options in Common-Property Resource Use." *Journal of Development Economics*, 83(1), 214-239, 2007.
- Polasky, Stephen, Nori Tarui, Gregory M. Ellis, and Charles F. Mason "Cooperation in the Commons." *Economic Theory*, 29(1) 71-88, 2006.
- Tarui, Nori and Stephen Polasky "Environmental Regulation with Technology Adoption, Learning and Strategic Behavior." *Journal of Environmental Economics and Management*, 50(3), 447-467, 2005.

Book chapters

- "The Role of Institutions in Natural Resource Use" in A. Balisacan, U. Chakravorty, and M-L Ravago, eds., *Resources, Development and Public Policy: Concepts, Practice and Challenges*, Elsevier, 2014.
- "Real-Time Information and Consumption: What Can Water Demand Programs Learn From Electricity Demand Programs?" with J. Lynham, in K. Burnett, R. Howitt and J. Roumasset, eds., *Handbook of Water Economics and Institutions*, Routledge, forthcoming.
- "Renewable Energy Policy Development in Hawaii" in Y. Fujita, K. Toguchi, S. Karimata, eds., 島嶼地域の新たな展望：自然・文化・社会の融合体としての島々 (New Perspectives on Island Studies: Islands as a Harmony of Nature, Culture, and Society)" Kyushu University Press, in Japanese, 2014.
- "Institutional aspects of environmental conservation" in 環境経済学 (Environmental Economics), Eiji Hosoda ed., Minerva Shobo, in Japanese, 2012.
- "Trade Restrictions and Incentives to Tax Pollution Emissions," with Morihiro Yomogida and Cynthia Yao, in 地球温暖化対策と国際貿易 (Climate Change Policies and International Trade), Toshi Arimura, Morihiro Yomogida, Tsuyosi Kawase, eds. University of Tokyo Press, in Japanese, 2012.
- "Game theory and international agreements on climate change mitigation," in 地球温暖化対策と国際貿易 (Climate Change Policies and International Trade), Toshi Arimura, Morihiro Yomogida, Tsuyosi

Kawase, eds. University of Tokyo Press, in Japanese, 2012, in Japanese, completed May 2011.

Working papers

"Why does real-time information reduce energy consumption?"

with John Lynham, Kohei Nitta, and Tatsuyoshi Saijo. UH Manoa Department of Economics Working Paper 14-19. **Revised and resubmitted, Energy Economics.**

"Governing the Resource: Scarcity-Induced Institutional Change,"

with James A. Roumasset. UH Manoa Department of Economics Working Paper 10-15.

"Intra-Industry Reallocations and Long-run Impacts of Environmental Regulations,"

with Yoshifumi Konishi, UH Manoa Department of Economics Working Paper 13-7.

"Other-regarding behavior under collective action,"

with Katerina Sherstyuk, Melinda Podor, Jay Vilorio, Tatsuyoshi Saijo. UH Manoa Department of Economics Working Paper 14-4.

"Designing Optimal Environmental Policy with Uncertainty, Investment, and Strategic Behavior,"
with Stephen Polasky.

Work in progress

"Child Maltreatment and Educational Attainment: Evidence from AddHealth Data," with Xiangming Fang.

"Trade Restrictions and Incentives to Tax Pollution Emissions," with Morihiko Yomogida and Cynthia Yao.

"Cooperation on Climate-Change Mitigation," with Stephen Polasky and Charles F. Mason.

"Self Governance of Common-Pool Resources with Entry Deterrence."

"Distributional Impacts of Revenue Decoupling for Electric Utilities," with Arlan Brucal.

"Backfiring with backhaul problems: Trade and Industrial Policies with Endogenous Transport Costs,"
with Jota Ishikawa.

"International Trade, Open-access Renewable Resource, and Urban Unemployment," with Ichiroh Daitoh.

ON GRADUATE FACULTY STATUS (2010-2015)

1. Participation in department, college, university and national or international professional activities

Academic presentations:

2015: Nihon University, Keio University, Western Economic Association International Annual Conference

2014: Waseda University, Keio University, Hitotsubashi University, Tohoku University, Kochi University of Technology, Yokohama National University, Kobe University, The Fifth World Congress of Environmental and Resource Economists, Behavior, Energy & Climate Change (BECC) Conference (Tokyo, Japan), Singapore Management University, Nanyang Technological University, University of Hawaii at Manoa

2013: Asia-Pacific Economic Science Association Conference, Tokyo, Japan; Osaka University; Global Environmental System Leaders Program Conference, Keio University; Western Economic Association International 10th Biennial Pacific Rim Conference, Tokyo, Japan (scheduled); Sophia University (scheduled); Association of Environmental and Resource Economists (AERE) Summer Conference (scheduled), College of Saint Benedict, University of Minnesota, University

of Wisconsin-Madison

- 2012: Association for Business Communication Annual International Conference, Hawaii; Southern Economic Association Annual Meetings, New Orleans, Louisiana; University of the Ryukyus and University of Hawai'i Joint Symposium, Okinawa, Japan; East-West Center
- 2011: Industrial Ecology and Island Sustainability Conference, Hawaii; Toyama University
- 2010: The Fourth World Congress of Environmental and Resource Economists, Montreal, Canada; Sophia University; Aoyama Gakuin University

2. Publications

Five refereed journal publications since 2010 (and one revised and resubmitted); six book chapters since 2010 (see the list above)

3. Graduate teaching/guiding

a. Graduate courses taught:

- Fall 2015: ECON 627 Mathematics for Economics
Spring 2015: ECON 636 Renewable Energy Economics and Policy
Fall 2014: ECON 606 Microeconomic Theory I
Spring 2013: ECON 608 Microeconomic Theory II
Fall 2012: ECON 730 Research Seminar
Spring 2012: ECON 636 Renewable Energy Economics and Policy
ECON/NREM 637 Resource Economics
Fall 2011: ECON 730 Research Seminar
Spring 2011: ECON 699 Renewable Energy Economics and Policy (taught as a 3-credit lecture/discussion class)
Fall 2010: ECON 627 Mathematics for Economics
ECON 730 Research Seminar

b. Serving on committees:

Dissertation advisor (Placement in parentheses)

Kohei Nitta (co-advisor, Ph.D. 2014, Postdoctoral researcher, University of Erlangen-Nuremberg), Sean D'Evelyn (co-advisor, Ph.D. 2011, Assistant Professor of Economics, Loyola Marymount University), Cynthia Yao (in progress), Pathomwat Chantarasap (co-advisor, in progress)

Dissertation committee member (Placement in parentheses)

Majah-Lear V. Ravago (2012 University of the Philippines), Kouland Thin (2012), Haruyoshi Ito (2012 International University of Japan), Akarapon Houbcharaun (2013 Ministry of Agriculture and Cooperatives, Thailand) Ashkan Zeinalzadeh (2013 Hawaii Natural Energy Institute), Emiko Naomasa (2015 Japan Bank for International Cooperation), Kanae Tokunaga (2015 University of Tokyo), Karl Jandoc (in progress), Arlan Brucal (in progress), Sherilyn Wee (in progress)

c. Financial support for Graduate Assistants:

Kohei Nitta: Fall 2010 – Summer 2013, with funding from US Department of Energy Workforce Training Grant (PI: Anthony Kuh, UHM Department of Electrical Engineering)

Akarapon Houbcharaun: February – March 2012, with funding from Mitsui Foundation (PI: Toshi Arimura, then at Sophia University)

Arlan Brucal: Spring 2013- Fall 2013, with funding from US Department of Energy Workforce Training

Grant (PI: Anthony Kuh, UHM Department of Electrical Engineering)
Anna Abatayo: Fall 2013, with funding from US Department of Energy Workforce Training Grant (PI: Anthony Kuh, UHM Department of Electrical Engineering)
Syed Khan: Fall 2014, with funding from the Center for Global Partnership (PI: Toshi Arimura, Waseda University)

d. Other graduate-related services

Served as the Graduate Chair of Economics, August 2010-July 2013.
Served on UH Manoa Graduate Council, August 2011-July 2013.
Served on the microeconomic theory qualifying exam committee in AY 2010-13, 2014-15.

GRANTS

Tarui, Nori, Katerina Sherstyuk, Co-PIs. "Other-regarding behavior, generosity, and implications for dynamic collective action problems," Research Support Fund, College of Social Sciences, University of Hawaii, 2008-9.
Tarui, Nori, PI. (James A. Roumasset, Co-PI.) "Optimal prevention and control of invasive species under uncertainty," Research Relations Fund Award, University of Hawaii Research Council, 2006-7. Research Support Fund, College of Social Sciences, University of Hawaii.
Arimura, Toshihide PI. (With eight investigators including Nori Tarui.) "The Impact of Domestic Emissions Trading on Competitiveness and International Climate Change Negotiation: A Law and Economics Approach," Sumitomo Foundation, 2009-2010.
Arimura, Toshihide PI. (With eight investigators including Nori Tarui.) "The Impact of Domestic Emissions Trading on Competitiveness and International Climate Change Negotiation: A Law and Economics Approach," Mitsui & Co. Ltd, Environmental Fund, 2009-2012.
Arimura, Toshihide PI. (With eight investigators including Nori Tarui.) "The Impact of Domestic Emissions Trading on Competitiveness and International Climate Change Negotiation: A Law and Economics Approach," Japan Foundation Center for the Global Partnership, 2009-2011.

TEACHING EXPERIENCE

Department of Economics, University of Hawaii-Manoa

Mathematics for Economics (graduate), Resource Economics (graduate), Microeconomic Theory I, II (graduate), Renewable Energy Economics and Policy (graduate), Environmental Economics (undergraduate), Intermediate Microeconomics (undergraduate), Economics of Climate Change (undergraduate), Energy Economics (undergraduate)

School of International and Public Affairs, Columbia University

2005-6: Macroeconomics and Sustainable Development (Co-Instructor) and Human Ecology and Sustainable Development (Co-Instructor) in the PhD Program in Sustainable Development,

Department of Applied Economics, University of Minnesota-Twin Cities

2002-4: Mathematics Review (Instructor), Econometric Analysis I, II (Teaching Assistant)

Department of Agricultural Economics, University of Wisconsin-River Falls

2003: Agricultural Economics II (Instructor)

ACADEMIC PRESENTATIONS (-2009)

2009: Keio University; Far East and South Asia Meeting of the Econometric Society Meeting, Tokyo, Japan; Sophia University; Kwansai Gakuin University; Western Economic Association

- International Meeting; Eastern Economic Association Meeting
- 2008: TIGS (Transdisciplinary Initiative for Global Sustainability) Symposium on the “Adaptation Strategies for Climate Change”; Occasional California Workshop on Environmental and Resource Economics; University of Minnesota; American Society of Health Economists Conference; Western Economic Association International Annual Conference; Nihon University; Hitotsubashi University; Sophia University; Keio University; University of Tokyo; Osaka University
- 2007: ASSA Meetings; University of Hawaii-Manoa; Doshisha University; Japanese Economic Association Meeting; Hitotsubashi University; University of Tokyo (Economics); University of Tsukuba; Tokyo Tech; Kobe University; University of Tokyo (TIGS, Transdisciplinary Initiative for Global Sustainability); Keio University; DISCCRS III Symposium (Dissertations Initiative for the Advancement of Climate Change Research)
- 2006: University of Wyoming; University of Hawaii-Manoa; University of Wisconsin-Madison; York University; The Third World Congress of Environmental and Resource Economists, Kyoto, Japan
- 2005: Columbia University; Keio University; Bard College; Eastern Economic Association Meeting
- 2004: University of Minnesota; Princeton University
- 2003: University of Minnesota; Keio University; Annual Meeting for the American Agricultural Economics Association
- 2002: University of Minnesota; Heartland Environmental and Resource Economics Workshop; International Atlantic Economic Conference; Annual Meeting for the American Agricultural Economics Association
- 2001: Keio University; University of Minnesota

PROFESSIONAL SERVICES

Editorial Board, *Journal of Environmental Economics and Management*, 2009-
Environmental Economics and Policy Studies, 2010-
International Review of Environmental and Resource Economics, 2012-

Referee for *B.E. Journal of Economic Analysis & Policy*, *Canadian Journal of Economics*, *China Agricultural Economic Review*, *Ecological Economics*, *Economic Bulletin*, *Economic Inquiry*, *Economic Journal*, *Economics Letters*, *Environmental and Development Economics*, *Environmental and Resource Economics*, *Environmental Economics and Policy Studies*, *International Journal of Economic Theory*, *International Review of Environmental and Resource Economics*, *Journal of Development Economics*, *Journal of Environmental Economics and Management*, *Journal of Environmental Management*, *Journal of the Association of Environmental and Resource Economists*, *Journal of the Japanese and International Economies*, *Journal of Public Economics*, *Metroeconomica*, *Proceedings of the National Academy of Sciences*, *Public Finance and Management*, *Resource and Energy Economics*, *Review of Economic Studies*, *Social Choice and Welfare*, *Strategic Behavior and the Environment*, *Sustainability Science*

ACADEMIC ASSOCIATIONS

American Economic Association, Association of Environmental and Resource Economists, Society for Environmental Economics and Policy Studies