

# Akio Yamazaki

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## RESEARCH INTEREST

Environmental Economics, Public Policy, CGE Analysis, and Applied Microeconomics.

## PROFESSIONAL EXPERIENCE

### APPOINTMENTS:

Associate Professor (Tenured), National Graduate Institute for Policy Studies (GRIPS)	2022 – present
Adjunct Assistant Professor, Department of Economics, University of Calgary	2019 – present
Green Growth Partnership, Smart Prosperity Institute, University of Ottawa	2020 – present

### PREVIOUS APPOINTMENTS:

Assistant Professor, National Graduate Institute for Policy Studies (GRIPS)	2019 – 2022
Pre-Doctoral Fellow, Smart Prosperity Institute, University of Ottawa	Winter 2018
Research Assistant, Department of Economics, University of Calgary – Professor M. Scott Taylor, Jared C. Carbone, Trevor Tombe, Kunio Tsuyuhara	2012-2015, 2018
Research Assistant, Department of Economics, University of Southern California – Professor Jeffrey B. Nugent	2011-2012
Research Assistant, Department of Economics, University of California, Davis – Professor Klaus Nehring	2008-2009

## EDUCATION

Ph.D Economics, <b>University of Calgary</b> , AB Canada – Supervisor: Dr. <b>M. Scott Taylor</b>	2019
M.A. Economics, <b>University of Southern California</b> , Los Angeles, CA, USA	2012
B.A. Economics, <i>Highest Honor &amp; Departmental Citation</i> , <b>University of California, Davis</b> , CA, USA	2009
A.A. Transfer, <i>Highest Honor</i> , <b>City College of San Francisco</b> , CA, USA	2007

## JOURNAL ARTICLES

“Do Carbon Taxes Kill Jobs? Firm-level Evidence from British Columbia,”  
with Deven Azevedo and Hendrik Wolff, **Climate Change Economics**, (2023)

“How Do Carbon Taxes Affect Emissions? Plant-level Evidence from Manufacturing,”  
with Younes Ahmadi and Kabore Philippe, **Environmental and Recourse Economics**, 82 (2022) pp. 285-325

“Environmental Taxes and Productivity: Lessons from Canadian Manufacturing,”  
**Journal of Public Economics**, 205 (2022)

– **Young Achievement Award**, Society for Environmental Economics and Policy Studies (2023)

– **Lasserre-Renzetti Prize for best student paper**, Canadian Resources and Environmental Economics Association (2018)

“Comparing Applied General Equilibrium and Econometric Estimates of the Effect of an Environmental Policy Shock,” with Jared C. Carbone, Nicolas Rivers, and Hidemichi Yonezawa

*Journal of the Association of Environmental and Resource Economists*, 7, no.4 (2020) pp.687-719

– **Honorable mention for the 2020 JAERE Outstanding Publication Award**

“Jobs and Climate Policy: Evidence from British Columbia’s *Revenue-Neutral Carbon Tax*,”

*Journal of Environmental Economics and Management*, 83 (2017) pp. 197-216

### **POLICY PAPERS**

“It’s Not a Job Killing Policy – The Case of BC’s Revenue Neutral Carbon Tax,” *Sustainable Prosperity Research Note*, January 2016

### **WORKING PAPERS**

“Who Bears More Burdens of Carbon Taxes? Heterogeneous Employment Effects within Manufacturing Plants”

“The Effect of Climate Policy on Performance of Manufacturing Plants”

– **Best Paper Award**, Canadian PhD and Early Career Workshop in Environmental Economics (2016)

### **WORK IN PROGRESS**

“Green Fiscal Reform and the Demographic Squeeze” with Jared C. Carbone and Maxwell Fleming

“Entry, Exit, and Reallocation Responses of Manufacturing Plants to Carbon Taxes” with Philippe Kabore

“Carbon Taxes and Competitiveness: Firm-level Evidence from British Columbia” with Hendrik Wolff

### **RESEARCH FUNDING**

“PI” indicates Principal Investigator.

PI, Grants-in-Aid for Scientific Research (KAKENHI), Early-Career Scientists, Japan Society for the Promotion of Science, 2024-2027 (¥3,600,000)

Co-PI, Grants-in-Aid for Scientific Research (KAKENHI), Scientific Research (B), Japan Society for the Promotion of Science, 2024-2027 (¥10,000,000)

PI, GRIPS Research Project Grant, 2024-2026 (¥1,926,000)

PI, GRIPS Research Project Grant, 2023-2025 (¥1,815,000)

PI, GRIPS Research Project Grant, 2021-2023 (¥3,600,000)

PI, Grants-in-Aid for Scientific Research (KAKENHI), Early-Career Scientists, Japan Society for the Promotion of Science, 2020-2021 (¥4,160,000)

PI, GRIPS Research Project Grant, 2019-2021 (¥2,000,000)

Co-PI, “Carbon Taxes and Competitiveness: Firm-level Evidence from British Columbia,” Economics and Environmental Policy Research Network, Environment and Climate Change Canada, 2019-2021 (CDN\$40,000)

PI, “Environmental Taxes and Productivity: Lessons from Canadian Manufacturing” Productivity Partnership, McMaster University, 2017 (CDN\$28,000) – funded under the title “The Effect of Climate Policy on Competitiveness:

The Micro-level Evidence from Canada”

Co-PI, “Do Carbon Taxes Kill Jobs? Firm-level Evidence from British Columbia,” Economics and Environmental Policy Research Network, Environment and Climate Change Canada, 2017-2018 (CDN\$28,000)

PI, “The Effect of Climate Policy on Performance of Manufacturing Plants,” Economics and Environmental Policy Research Network, Environment Canada, 2013-2016 (CDN\$25,000)

## CONFERENCE AND INVITED SEMINAR PRESENTATION

“\*” indicates invited seminars.

2024 – Energy Studies Institute, National University of Singapore\* (Singapore)

2022 – Kyoto University\* (Kyoto Japan)

2021 – SEEPS Camp (Tokyo JAPAN); RIEEM, Waseda University\* (Tokyo JAPAN); Kobe University\* (Kobe JAPAN)

2019 – Workshop on Climate Economics, Innovation, and Policy (Ottawa CANADA); Carleton University\* (Ottawa CANADA); Wilfrid Laurier University\* (Waterloo CANADA); National Graduate Institute for Policy Studies\* (Tokyo JAPAN), Wake Forest University\* (North Carolina USA), University of Saskatchewan\* (Saskatchewan CANADA)

2018 – Smart Prosperity Institute (University of Ottawa CANADA); National Institute for Environmental Studies\* (Tsukuba JAPAN); Canadian Economics Association Annual Conference (Montreal CANADA); Western Economic Association International meeting (Vancouver CANADA); Camp Resources XXV (North Carolina USA); Canadian Resource and Environmental Economics Conference (Montreal CANADA); Occasional Workshop in Environmental and Resource Economics (University of California, Santa Barbara USA); Southern Economic Association meeting (Washington, DC, USA)

2017 – Environment Canada Research Network Research Symposium\* (Ottawa CANADA)

2016 – Canadian Resource and Environmental Economics Conference (Banff CANADA); Canadian PhD and Early Career Workshop in Environmental Economics (Ottawa CANADA); Canadian Economics Association Annual Conference (Ottawa CANADA); Western Economic Association International meeting (Portland USA); University of Calgary (Calgary CANADA)

2015 – Institute of Environment, University of Ottawa\* (Ottawa CANADA), Midwest Economic Association meeting (Minneapolis USA)

2014 – Environment Canada Research Network Research Symposium\* (Ottawa CANADA); Canadian Resource and Environmental Economics Conference (Saskatoon CANADA); University of Calgary (Calgary CANADA)

## AWARDS & HONORS

### AWARDS:

Young Achievement Award, Society for Environmental Economics and Policy Studies	2023
Lasserre-Renzetti Prize for best student paper, Canadian Resources and Environmental Economics Association (CDN\$500)	2018
Arthur J.E. Child Memorial Bursary In Economics, University of Calgary (CDN\$14,000)	2018
SSHRC Pre-Doctoral Fellowship, Smart Prosperity Institute, University of Ottawa (CDN\$25,000)	2018
Eyes High International Doctoral Scholarship, University of Calgary (CDN\$12,000 × 3)	2013, 2015, 2017
Canadian Natural Resources Ltd Graduate Scholarship, University of Calgary (CDN\$7,800)	2017
Best Paper Award, Canadian PhD and Early Career Workshop in Environmental Economics	2016
Thesis and Dissertation Research Grants, University of Calgary (CDN\$1,548.89)	2016
James D. Gaisford Research Prize for the best second year paper, University of Calgary (CDN\$1,000)	2015
Economics and Environmental Policy Research Network Research Grant (CDN\$8,380)	2014
Econometrics Prize for the top student of Econ 615/715, University of Calgary (CDN\$100)	2014

Chancellor's Challenge Graduate Scholarship, University of Calgary (CDN\$5,000)	2013
Ph.D Graduate Scholarship, University of Calgary (total of CDN\$116,000)	2012-2016

### **HONORS:**

Outstanding Publication (honorable mention), Journal of the Association of Environmental and Resource Economists	2020
Outstanding Reviewer Award, Journal of Environmental Economics and Management	2018
Dissertation Award (honorable mention), University of Calgary	2018
Departmental Citation, Economics, University of California, Davis	2009
Dean's list, University of California, Davis	2007-2009
Dean's list, City College of San Francisco	2005-2007

### **SKILLS:**

Instructional Skills Workshop (ISW), University of Calgary	2014
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### **TEACHING**

#### **TEACHING (in English):**

Economics of Tax Policy (Graduate), GRIPS	2019 – present
Advanced Microeconomics I (Graduate - Ph.D), GRIPS	2019 – present
Advanced Microeconomics II (Graduate - Ph.D), GRIPS	2019 – present
Game Theory & Strategic Thinking for Social Science (Undergraduate), University of Calgary	2016

#### **TEACHING ASSISTANT:**

Topics in Economic Theory II (Macro), (Graduate), University of Calgary	2019
Principles of Microeconomics, (Undergraduate), University of Calgary	2017
Econometrics II (Undergraduate), University of Calgary	2017
Microeconomic Theory (Graduate), University of Calgary	2016
Macroeconomic Theory (Graduate), University of Calgary	2016
Economics and the Environment (Undergraduate), University of Calgary	2013

### **OTHERS:**

Research Intern, World Resources Institute, Washington, D.C, Summer	2008
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### **UNIVERSITY SERVICES**

Deputy Director of Admission Office	2024 – present
Assistant Director of Policy Research Center	2024 – present
Associate Program Director of Master's Program of Public Policy	2023 – present
Seminar Organizer, Graduate and Applied Microeconomics Seminar	2020 – present
Program Committee Member, Public Finance Program	2019 – present
Program Committee Member, Master's Program of Public Policy (One-year and Two-year)	2019 – present

Program Committee Member, Macroeconomic Policy Program

2019 – present

### **STUDENT ADVISING**

Giang H. Lam, Ph.D (supervisor), GRIPS, on-going

Komilovich I. Mukhamed, Ph.D (committee member), GRIPS, on-going

Degenet Shifraw, Ph.D (committee member), GRIPS, 2023

Abebe A. Ayana, Ph.D (committee member), GRIPS, 2022

Bayarbileg Altansukh, Ph.D (committee member), GRIPS, 2022 – Asian Development Bank

### **REFERRING**

“\*” indicates multiple reviews.

American Economic Journal: Economic Policy, Journal of the Association of Environmental and Resource Economists, Journal of Environmental Economics and Management\*, Canadian Journal of Economics\*, Contemporary Economic Policy\*, Climate Policy, Energy Economics\*, Empirical Economics, International Journal of Sustainable Economy, Journal of Environmental Management

### **ACTIVITIES**

Co-founder of Japan-Tokyo Resource and Environmental Economics (J-TREE) Seminar Series 2021 – Present

President of Economics Graduate Association, University of Calgary 2014 – 2015

### **LANGUAGE**

Japanese (Native); English (Fluent)

### **REFERENCES**

Available upon Request

Last updated: May, 2024