

Yuri MATSUMURA

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RESEARCH INTERESTS

Empirical Industrial Organization, Applied Microeconomics, Competition Policy

EDUCATION

Ph.D. in Economics, Rice University	2019 - 2025 (expected)
M.A. in Economics, The University of Tokyo	2018
B.A. in Economics, Osaka University	2016

HONORS

Dissertation Research Improvement Grants, Rice University	2023 - 2024
Rice Fellowship, Rice University	2019 - 2024

PUBLICATIONS

“Resolving the Conflict on Conduct Parameter Estimation in Homogeneous Goods Markets between Bresnahan (1982) and Perloff and Shen (2012)”, with Suguru Otani, *Economics Letters*, 2023
“Dissolution Risk and Legislative Effort of Politicians”, with Yumi Koh and Ken Onishi, *Electoral Studies*, 2022

JOB MARKET PAPER

“Evaluating Cartel Impact in Electricity Procurement”

Abstract: This paper examines the impact of a market allocation cartel in the Japanese electricity retail market, active from 2018 to 2020. During this period, four incumbents restricted competition by avoiding entry into each other’s regions. Analyzing electricity procurement auctions from both competitive and cartel periods, I find that cartel members reduced their participation rates and submitted complementary bids in other regions while increasing bid levels within their own regions, leading to winning bids rising by up to 9% despite continued competition with non-cartel firms. Counterfactual simulations using a model of auctions with asymmetric, risk-averse bidders suggest that without the cartel, continued market entry by these firms could have lowered winning bids by up to 5.5% and reduced winning costs by 3.4%. While increased competition led to minor inefficiencies due to asymmetry among bidders, the cartel’s exclusionary practices caused inefficiencies of up to 26%. Additionally, shifts toward nuclear energy generation were associated with lower procurement costs. These findings highlight the financial burden of cartel behavior and the benefits of fostering market competition for public institutions.

WORK IN PROGRESS

“An MPEC Estimator for Conduct Parameter Estimation in Homogeneous Goods Markets”, with Suguru Otani
“A New GPV Estimator Using Bernstein Polynomial”
“Identification of Firm Conduct in Homogeneous Product Markets” with Suguru Otani

TEACHING AND RESEARCH EXPERIENCES

Teaching Assistant at Rice University: Applied Microeconomics (U), Applied Econometrics (U), Mathematical Economics (U), Macroeconomics (G), Matching and Market Design (G)	2020 - 2024
Teaching Assistant at The University of Tokyo: Industrial Organization (U, Economics), Microeconomics (G, Graduate School of Public Policy)	2017 - 2018
Teaching Assistant at International Christian University: Microeconomics (U)	2018
Research Assistant for Professor Jeremy Fox, Rice University	2021 - 2022
Research Assistant for Professor Daiji Kawaguchi, The University of Tokyo	2018 - 2019
Research Assistant for Professor Mototsugu Shintani, The University of Tokyo	2016 - 2018

ACADEMIC SERVICE

Referee: *Legislative Studies Quarterly*

SEMINARS AND PRESENTATIONS

2024: Brown Bag Workshop (Rice University)

2018: Microeconomics Workshop (The University of Tokyo), Japanese Economic Association, Spring meeting (University of Hyogo), Junior IO Workshop (The University of Tokyo)

OTHERS

Programming Skills: Julia, R, MATLAB, Python, Stata

Languages: English, Japanese (native)

REFERENCES

Professor Jeremy Fox (Advisor)

Department of Economics, Rice University

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Professor Yunmi Kong

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Professor Malleesh Pai

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