Hiroyuki Asai

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EDUCATION

April 2023-	Ph.D. program in Economics, The University of Tokyo (GPA 4.0)
Aprirl 2025- June 2025	Visiting Doctoral Student in the Faculty of Economics, University of Cambridge
March 2023	M.A. in Economics, The University of Tokyo (GPA 4.0)
March 2021	B.A. in Economics, The University of Tokyo (Representative of the graduates, GPA 3.97)

RESEARCH FIELD

Macroeconomics, Computational Economics, Applied Econometrics, Production Networks

WORKING PAPER

Hiroyuki Asai and Makoto Nirei (2026). Friend-of-a-Friend in Production Networks: Micro Estimates and Macro Implications.

Hiroyuki Asai and Makoto Nirei (2026). Delayed Network Formation of Young Firms: Micro Estimates and Macro Consequences.

Hiroyuki Asai and Takehiro Takayanagi (2026). AI Development, Energy Markets, and Macroeconomy: A Dynamic General Equilibrium Analysis.

Hiroyuki Asai, Daisuke Fujii, and Taisuke Nakata (2025). Disentangling Supply and Demand Shocks in a Network Economy.

Hiroyuki Asai (2023). SME Policy Reform in the Networked Economy: Reallocation and Network Destruction.

PRESENTATIONS

February 2026	IMF RESMS Seminar, International Monetary Fund
January 2026	Asia Meeting of the Econometric Society, NYU Abu Dhabi
January 2026	WINPEC Research Seminar, Waseda University
December 2025	Macroeconomics Workshop, The University of Tokyo
November 2025	Annual Macro Conference, The University of Tokyo
September 2025	Research Workshop: Recent Development in Pandemic Policy Research, CiDER
August 2025	World Congress of the Econometric Society, Seoul
August 2025	Summer Workshop on Economic Theory, Hokkaido University
June 2025	SED Annual Meeting, University of Copenhagen
June 2025	Workshop on International Economic Networks, University of Vienna
April 2025	Conference on Network Science and Economics, Stanford University
February 2025	Macroeconomics Conference for Young Economists, Osaka University
September 2023	UTokyo Student Macro Workshop, The University of Tokyo
January 2023	Macroeconomics Workshop, The University of Tokyo

Fellowships

2025 - 2026	**AI Center Integrated Research Promotion Fund**, Next Generation Artificial Intelligence Research Center, UTokyo (JPY 2,000,000)
2023 - 2026	**JSPS Research Fellowship for Young Scientists (DC1)**, Japan Society for the Promotion of Science (JPY 4,200,000 (highest ever) with stipend)
2023	**Exemption from Repayment for Particularly Outstanding Achievements**, Japan Students Services Organization (stipend)
2022 - 2023	**World-leading Innovative Graduate Study of Advanced Economics**, The University of Tokyo (stipend)

Teaching Experience

Independent Lecturer

Autumn 2023	Math Camp (Ph.D.), The University of Tokyo (Dynamic Programming)
Spring 2023	Math Camp (Ph.D.), The University of Tokyo (Dynamic Programming)

Teaching Assistant, The University of Tokyo

Spring 2023	Macroeconomics I (Ph.D., core), Instructor: Lee Hanbaek
Autumn 2022	Advanced Time Series Analysis (Ph.D.), Instructor: Mototsugu Shintani
Spring 2022	Econometrics II (Ph.D., core), Instructor: Hidehiko Ichimura
Spring 2022	Macroeconomics I (Ph.D., core), Instructor: Mototsugu Shintani

Teaching Assistant, Kyoritsu Women's University

Spring 2021	Basic Math, Instructor: Kazuo Ueda
Spring 2020	Basic Math, Instructor: Kazuo Ueda

Working Experience

2022 -	**Analyst Internship**, UTokyo Economic Consulting Inc. - Construct a macroeconomic model with realistic future economic scenarios of Japan and derive the macroeconomic picture in 2040 - Collect real-time economic data by web scraping and construct a forecasting model for the current state of the economy
2020 - 2021	**Research Assistant for Prof. Taisuke Nakata**, The University of Tokyo - Calculate the decline of the economy during the COVID-19 crisis using time series analysis techniques - Estimate a monetary macroeconomic model using macroeconomic data and analyze optimal monetary policy under the zero-lower bound
2019	**Business Internship**, Aidemy Inc. - Make study contents about machine learning and have lectures for clients

Languages

Japanese (native), English (fluent, TOEFL iBT score 102, May 2023)

Programming Skills

MATLAB, Python, R, STATA, Dynare, C, C++, LaTeX, Microsoft Office