# Chenping Yang

Application to "Graduate Student Workshop on Heterogeneous-Agent Macroeconomics"

**Contact Information**

Chenping Yang
Yale University, Department of Economics
Address: 27 Hillhouse Ave. Room B9
New Haven, CT, 06520
Email: chenping.yang@yale.edu
Phone: (475) 280-0583
Citizenship: China (F-1 Visa)

**Reference**

Eduardo Dávila
Yale University, Department of Economics
Address: 28 Hillhouse Ave. Room A206
New Haven, CT, 06520-8268
Email: eduardo.davila@yale.edu
Web: www.eduardodavila.com

March 2023

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**Fields of Concentration:**

Macroeconomics, Monetary Economics

**Macroeconomics PhD Courses Completed:**

Fall 2022: Macro Finance (Audit)
2021-22: Advanced Macroeconomics I and II
2020-21: General Economics Theory: Macroeconomics I and II

**Comprehensive Examinations Completed:**

2022 (Oral): Macroeconomics, International Economics
2021 (Written): Microeconomics, Macroeconomics

**Education:**

Ph.D., Economics, Yale University, 2026 (expected)
M.A., Economics, Yale University, 2022
MSc., Econometrics and Mathematical Economics, London School of Economics, 2019
B.A., Economics, Renmin University of China, 2018

**Teaching Experience:**

Spring 2023, Intermediate Macroeconomics (UG), teaching fellow for Professor Ilse Lindenlaub
Fall 2022, Financial Economics (UG), teaching fellow for Professor Eduardo Dávila

**Honors, Scholarships, and Fellowships:**

Cowles Foundation Fellowship, Yale University, 2020-2023
Yale Graduate Fellowship, Yale University, 2020-2023

**Work in Progress:**

"Optimal Monetary Policy Rule under Incomplete Information"

**Languages:**

Chinese (native), English

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# Statement of Interest

I am a third-year PhD student in economics at Yale University. My research interests are centered in macroeconomics, especially in understanding the role of bounded rationality and heterogeneity in affecting economic outcomes, policy implications, and optimal policy design. With an interest in the interaction between heterogeneous-agent and behavioral macro, I believe that I would benefit enormously from attending the Graduate Student Workshop on Heterogeneous-Agent Macroeconomics.

My current working project investigates optimal monetary policy rules under heterogeneity of agents' expectations. It is motivated by survey evidence suggesting that households, professional forecasters, and the central bank might have different beliefs about the shocks hitting the economy or the economic structure. I am exploring how different forms of interest rate rules could influence the strategic interactions among private sectors and welfare. Starting from a New Keynesian economy with incomplete information among firms, I show that the optimal Taylor rule is less responsive to inflation relative to the canonical model, to mitigate welfare loss from additional price dispersion and to stabilize output gaps due to the lack of common knowledge friction.

While I am exploring along the dimension of heterogeneous beliefs, I am interested in making my paper dialogue more closely with the HA macro literature. The HANK literature helps better match empirical patterns and provides profound insights for policy considerations. It is an interesting area to explore how the introduction of behavioral deviations into HANK could further improve our understanding of business cycles, policy transmission and conduct. While multiple forms of bounded rationality could generate similar general equilibrium attenuation, they are also different in several dimensions. I plan to explore how we can better choose between different behavioral deviations from testable implications and empirical evidence. Undoubtedly, a solid knowledge and master of tools of the HA models are necessary to work on this direction more efficiently. Hence attending this workshop would be tremendously helpful for me.

The workshop is a precious opportunity for me to be better equipped with both a deep understanding of the literature on HA macroeconomics and state-of-the-art methods for solving and estimating HA models. It is invaluable to gain hand-on experience on using the efficient toolbox and to understand its logic behind with the guidance of leading experts. I believe that the lectures and tutorials will greatly help me learn the knowledge and tools to work on my research effectively. What's more, it is also an exciting opportunity to meet and interact with scholars and peers from other institutions. Therefore, I hope I could have the opportunity to join this workshop.