

Ganna Prykhodko

Contact: gprykhod@iastate.edu • (434) 964-6852

Website: <https://sites.google.com/view/ganna-prykhodko/home>

Address: 271 Heady Hall, 518 Farmhouse Lane, Ames, Iowa 50010

Education

Ph.D. – Economics at Iowa State University (ISU)	<i>Expected Spring 2025</i>
Fields of Interest: <i>Macroeconomics, financial economics, and economic growth</i>	
M.A. – Economics at University of Virginia (UVa)	December 2016
M.A. – Economics at Kyiv School of Economics (KSE), <i>Cum Laude</i>	June 2013
M.A. – Business Economics at Odesa National Polytechnic University (ONPU), <i>Cum Laude</i>	January 2008
B.A. – Economics and Entrepreneurship at ONPU, <i>Cum Laude</i>	May 2006

Working Papers, Work in Progress & Participation in Conferences

Job Market Paper: Everything Bubble
Scheduled to present at the 94th Annual Meeting of the Southern Economic Association (SEA)

Working Papers: Asset Bubbles Under Financial Integration
Asset Bubbles with Endogenous Probability of Their Collapse
Both presented at the 93rd Annual Meeting of the SEA in November 2023

Work in Progress: Bubble Dynamics with Bayesian Update

Presentations: ISU Macroeconomics Reading Group, Annual Meeting of the SEA (2023)

Teaching Experience

Iowa State University, Department of Economics:

Intermediate Macroeconomics	In-Person Instructor , Spring 2022
Principles of Macroeconomics	Online Instructor , Summer 2022 - Spring 2023
Intermediate Macroeconomics	TA , Spring 2020, Fall 2021
International Finance	TA , Spring 2020, Spring 2021
Principles of Microeconomics	TA , Summer 2021
Economics of Sports	TA , Spring 2019
Principles of Macroeconomics	TA , 6 semesters

University of Virginia, Department of Economics:

Principles of Microeconomics	TA , Fall 2016
------------------------------	-----------------------

Fellowships & Awards

Iowa State Graduate Student Teaching Excellence Award	Spring 2021
Iowa State Nils Olsen Graduate Fellowship	Spring 2018
University of Virginia full scholarship	Fall 2015- Spring 2016
KSE full scholarship for excellence in studies	Fall 2011 – Spring 2013
ONPU Outstanding Master's Thesis Award (1 st place)	January 2008
ONPU Olympiad in Economic Theory Winner (1 st place)	Fall 2003
ONPU full scholarship for excellence in studies	Fall 2002 – January 2008

Professional Experience & Other

Research analyst , Luxoft Holding, Inc. – <i>October 2013 - January 2014</i>	Odesa, Ukraine
Analyst , PJSC Bank «Pivdennyi» Head Office – <i>January 2008 - July 2009</i>	Odesa, Ukraine

Languages: English (fluent), Ukrainian (native), Russian (native)

Software: C++, Fortran, R, Matlab, Mathematica, Stata, Latex

Citizenship: Ukraine

References

Juan Carlos Cordoba
Professor
Iowa State University
cordoba@iastate.edu

Rajesh Singh
Professor
Iowa State University
rsingh@iastate.edu

Sergio Lence
Professor
Iowa State University
shlence@iastate.edu

Job Market Paper: Everything Bubble

How are bubbles in different types of assets interrelated? We investigate the co-existence of two principally different bubble types: stochastic pure bubbles with no fundamental value (cryptocurrencies) and stock price bubbles (where bubbles cannot be traded separately from the firm's fundamentals). This paper studies a production economy with a continuum of infinitely-lived agents and a continuum of firms. Each period, firms meet heterogeneous opportunities to invest in their capital and invest only when their multipliers are above a certain efficiency cutoff. They face endogenous credit constraints, and the presence of bubbles in their stock market valuations increases their debt limit, while pure bubbles enhance internal financing. We show that the simultaneous presence of both bubble types may lead to higher growth and a higher bubbly share in the economy.

Asset Bubbles Under Financial Integration

Can asset bubbles exist in countries with the highest levels of pledgeability, like the US? Infinitely-lived agent models suggest that bubbles cannot exist in environments with highly developed financial markets. Empirical evidence, however, contradicts this conclusion: the dot-com and the housing bubbles have emerged in the past decades. We address this question by introducing a two-country open economy model with infinitely-lived heterogeneous agents and endogenous growth in the presence of financial frictions. In contrast to autarky, with perfectly integrated credit markets, bubbles can exist and be sustained in equilibrium in the North, a country with a nearly perfect pledgeability level. Further, even if the North and the less-developed South do not sustain bubbles in autarky, a balanced growth bubbly equilibrium may exist in the North under financial openness. Our conclusions are consistent with the recent bubbly macro-dynamics in the US and developing countries.

Asset Bubbles with Endogenous Probability of Their Collapse

Starting from Weil (1987), literature on stochastic bubbles utilizes the constant probability of bubble collapse. However, historical evidence on bubbles, summarized by Kindleberger's bubble and burst cycle theory, suggests that the probability of a bubble collapse increases in its share in the economy. We consider an endogenous growth model where agents encounter different investment opportunities, but credit frictions prevent efficient investment reallocation. In this model, stochastic bubbles help relax credit constraints (crowd-in effect) and enhance growth for the low levels of pledgeability. Bubbles, however, only exist if their survival probability is high enough. We find that the bubble existence region depends only on the probability of bubble survival for infinitesimal bubbles. For arbitrary weakly increasing (in the bubble share) crash functions, we conclude that the conditions of bubble existence are less restrictive than the ones under the constant crash assumption.