Natalia Rostova

Ecole Polytechnique Fédérale de Lausanne (EPFL)
Swiss Finance Institute
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Research Interests

FinTech, Decentralized Finance, Cryptocurrencies, Corporate Finance

Education

Ecole Polytechnique Fédérale de Lausanne (EPFL) & Swiss Finance Institute, Switzerland
Ph.D. Candidate in Finance, 2019 - present
Advisor: Erwan Morellec

Einaudi Institute for Economics and Finance (EIEF) and LUISS Guido Carli, Italy
M.Sc. in Economics and Finance, *cum laude*, 2017 - 2019

Lomonosov Moscow State University (MSU), Russia
B.Sc. in Economics, Mathematical Methods in Economics, *with Distinction*, 2013 - 2017

Visiting

London School of Economics and Political Science (LSE), UK
Visiting PhD Student, May - June 2024
Hosting Professor: Igor Makarov

Bank for International Settlements (BIS), MED Research Department, Switzerland
PhD Fellow, May - August 2023

Bank of Italy, Research Department, Financial Structure and Intermediaries Division, Italy
Summer Intern, June - August 2018

Center for Macroeconomic Analysis and Short-term Forecasting, Russia
Summer Intern (Macroeconomics), June - August 2017

Job Market Paper

Economic Incentives in the Digital Art Market
Rostova N. (2024) *Working Paper EPFL*

Publication

Relationship Capital and Financing Decisions
Geelen, T., Morellec, E. and Rostova, N. (2024) ***Management Science, forthcoming***

Working papers

Decentralized Exchanges for Near-Money Assets
Huang W., Rostova N., Song Z. (2024) *Working Paper EPFL*

How Algorithmic Stablecoins Fail
Kurovskiy G., and Rostova N. (2023) *Working Paper EPFL*

Work in Progress

Crypto Market Risk with Barbon A. and Gao C.

Presentations

2024: CFC St. Moritz Conference Academic Research Track, SNB-CIF Conference on Cryptoassets and Financial Innovation (discussion), Blockchain Kaigi at UZH Blockchain Center, Warwick Business School - Gillmore Centre Conference on DeFi & Digital Currencies, CEPR Fintech and Digital Currencies RPN Workshop, EPFL/UNIL PhD Seminar, SFI PhD Workshop Zurich (presentation and discussion), University of Lucerne, SFI Job Market Workshop, St.Gallen Financial Economics Workshop (scheduled), 3rd Bonn/Mannheim Workshop on Digital Finance (scheduled)

2023: SNB-CIF Conference on Cryptoassets and Financial Innovation, The Edinburgh Economics of Financial Technology Conference, SFI Research Days, BIS Research Seminar

2021: SFI Research Days, Moscow State University

Teaching Experience

Teaching Assistant, Introduction to Finance and Principles of Finance (Master's courses, taught by Prof. Erwan Morellec), EPFL, 2020-2024

Lecturer, Summer School in Corporate Finance, Moscow State University, 2021

Teaching Assistant, International Trade, Moscow State University (Undergrad course, taught by Prof. Natalya Volchkova (New Economic School)), 2016 - 2017

Discussions

Phantom Liquidity in Decentralized Lending (by Andreas Park and Jona Stinner) at SNB-CIF Conference on Cryptoassets and Financial Innovation 2024. Slides Link.

Disentangling the loan premium: The value of bank lending (by Zhuolu Gao) at the SFI PhD Workshop in Zurich 2024. Slides Link.

The Role of Tokenization in Creating New Money Standards (by Georgii Zvonka) at SFI Research Days 2023. Slides Link.

Dividends Restrictions and Asymmetric Information (by Mads Nielsen and Suzanne Vissers) at SFI Research Days 2021. Slides Link.

Awards

3rd Prize Winner in the LUKSO Blockchain Hackathon (Category: Social Media Feed, Social&DAOs), with G. Kurovskiy, 2022. GitHub

Award for outstanding teaching, College of Management of Technology (CDM), EPFL, 2021

Full Scholarship, Einaudi Institute for Economics and Finance (EIEF), 2017 - 2019

Master's Thesis judged as one of 3 best by the EIEF faculty (link), EIEF, Rome, 2019

2nd rank in the country-wide bachelor theses contest (top 5/300 awarded), Gaidar Institute for Economic Policy, Moscow, 2017

2nd rank in the bachelor theses contest (top 3/200 awarded) at Moscow State University, 2017

Lomonosov Moscow State University Scholarship for academic performance, 2016 - 2017

Additional Education

Digital Economics, FinTech, and AI Applications in Finance by Will Cong, Gerzensee, 2023

5th EFA Doctoral Workshop on FinTech, digital currency and blockchains, 2022

Summer School on Structural Estimation in Corporate Finance, University of Michigan's Ross School of Business, 2021

Center for Mathematical Finance, Quantitative Finance, Moscow, 2015 - 2016

Barcelona Graduate School of Economics (BGSE) Summer School, Spain, 2016

Technical Skills

Matlab, R, SQL, Stata, LaTeX, Python, Matematica; experience with large datasets

Languages

English (fluent), Russian (native), French (DELF B2), Italian (B1), German (basic - A2)

References

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