

Daniil R. Kashkarov

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Research interests

- Adaptation of workers to labor market disruptions
- Adaptation theory in biology and ecology
- Macroeconomics, Labor Economics
- Environmental economics
- Routine-biased technological change, automation, and AI

Employment

Universidad Carlos III de Madrid

Postdoctoral Researcher at the Department of Economics, September 2024 – present

Education

CERGE-EI, Prague

PhD in Economics, September 2024

Chair: Professor Marek Kapička

Yale University, New Haven

Visiting assistant in research

October 2021 – May 2022 and February 2023 – June 2023

Supervisor: Professor Aleh Tsyvinski

CERGE-EI, Prague

MA in Economic Research, 2019

The University of Economics, Prague

Bachelor's Degree in Economics and Economic Administration, 2017

Academic Lyceum under UzSWLU, Tashkent

Diploma with Honors from the Faculty of Exact Sciences, 2014

References

Prof. Marek Kapicka
(Chair)
CERGE-EI
mkapicka@gmail.com

Prof. Aleh Tsyvinski
Yale University
Department of Economics
a.tsyvinski@yale.edu

Prof. Ctirad Slavik
CERGE-EI
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Job Market Paper

Ability to Adapt: from Biology to Labor Markets

Abstract:

How do workers adapt to employment in different occupations, industries, and labor markets for different education groups? What common features do labor market disruptions have that make it hard for workers to adapt? What forges the adaptive capacity of workers? To shed light on these questions, I consider a state-of-the-art economic model of workers' decision making and use it to quantitatively evaluate the predictions of adaptation theory from modern biology and ecology — sciences that study the adaptation of the most diverse entities in the universe. The universality of the results delivered by many decades of adaptation research in biology and ecology allows me to analyze the adaptive responses of workers across different contexts within a single framework, to predict the consequences of major labor market disruptions, such as automation, the introduction of AI, and climate change, and, ultimately, to make a step towards the development of a general theory of worker adaptation.

Working Papers and Work in Progress

Ability to Adapt: From Biology to Labor Markets, *Job Market Paper*, 2024 [[link](#)]

Disappearing Stepping Stones: Technological Change and Career Paths, with Valentin Artemev (CERGE-EI), CERGE-EI Working Paper Series No. 776, 2024 [[SSRN link](#)]

RBTC and Human Capital: Accounting for Individual-Level Responses, CERGE-EI Working Paper Series No. 721, 2022 [[SSRN link](#)]

Occupational Tasks and Expectations, *work in progress*

Option Value of Ability, *work in progress*

Teaching and Research Activities

Main instructor for the BA and MA course "Modelling Macroeconomics", *CERGE-EI Foundation Distance Learning Program*, Fall semester 2022, 2023

Research assistant in the Grant Agency of the Czech Republic grant "Measurement and analysis of the consequences of the closure of the microfinance sector", Prague, October 2020 – March 2022

Teaching assistant for graduate Macro III course, *CERGE-EI*, Summer semesters 2020-2022

Main instructor for the BA and MA course "Dynamic Programming and Applications", *Higher School of Economics*, St. Petersburg, Spring 2020

Research assistant of prof. Roman Horvath Ph.D., *Institute of Economic Studies (IES)*, Prague, May – June 2019

Research assistant for the unemployment modelling and forecasting, *IDEA think tank*, Prague, January – July 2019

Fellowships, Awards, and Grants

European Union's Horizon 2020 research and innovation program under the Marie Skłodowska-Curie grant, supporting my research stay at Yale Economics Department, February-June 2022 and February-June 2023

The Honorable Recognition Award at the 15th Young Economists' Seminar, for the paper "RBTC and Human Capital: Accounting for Individual-Level Responses", December 2022, Croatian National Bank

Charles University Grant Agency research grant, for the research project "RBTC, Polarization and Career Paths: a "Bottleneck" Effect", 2022-2024

European Union and Ministry of Education, Youth and Sports of the Czech Republic grant, supporting my research stay at Yale Economics Department, October 2021-January 2022

The Honorable Recognition by the President of the CES for an Excellent Paper for Authors under 25 years of age, for the working paper "Automation and Human Capital: Accounting for Individual-Level Responses", December 2020, Czech Economic Society

Charles University Grant Agency research grant, for the research project "Automation and Human Capital: a Framework", 2020-2022

Graduate Teaching Fellowship, *CERGE-EI* Foundation, 2020-2021

CERGE-EI Second-Year Research Fellowship 2nd prize, for the research proposal on the human capital responses to a rise in automation technology, May 2019, *CERGE-EI*, Prague

The Prize of the Dean of Economic Faculty, VSE in the competition of research projects 2018 University of Economics, Prague

Merit Scholarship for excellent academic performance 2016-2017 University of Economics, Prague

Merit Scholarship for excellent academic performance 2015-2016
University of Economics, Prague

Special Contribution Scholarship from Faculty of Economics, June 2015
University of Economics, Prague

Presentations

Conference on Robots and Automation, *Goethe University*, Frankfurt am Main, September 2023

Labor/Public Economics Prospectus Workshop, *Yale University*, New Haven, March 2023

34th EALE Conference, European Association of Labour Economists, Padova, September 2022

EEA-ESEM 2022 Congress, *European Economic Association*, Milan, August 2022

"Labor, Firms, and Macro" Workshop, *University of Pennsylvania*, online, July 2022

15th Young Economists' Seminar, *Croatian National Bank*, Dubrovnik, July 2022

12th Annual Meetings of the Armenian Economic Association, *Armenian Economic Association*, online, June 2022

Wisconsin Russia Project Young Scholars Conference, *University of Wisconsin-Madison*, Madison, June 2022

Labor/Public Economics Prospectus Workshop, *Yale University*, New Haven, March 2022

Prospectus Workshop in Macroeconomics, *Yale University*, New Haven, November 2021

1st International Workshop Applied Research in Labor Economics and Human Capital, *MGIMO-University*, hybrid, November 2021

25th International Conference on Macroeconomic Analysis and International Finance, *University of Crete*, Crete, August 2021

1st Inaugural International Conference on Econometrics and Business Analytics (iCEBA), *Saint Petersburg State University*, St. Petersburg, July 2021

9th Conference of Society for the Study of Economic Inequality (ECINEQ), *London School of Economics*, London, July 2021

INFER-PUEB Workshop of New Economics: Innovation, Digitalization and Revolution, *Poznan University of Economics and Business*, Poznan, March 2021

22nd Annual International Network for Economic Research (INFER) Conference, Campus Condorcet University of Sorbonne Paris Nord, Paris, December 2020

"The Role of Education in National and Regional Socioeconomic Development"
National Research University Higher School of Economics, Moscow, June 2019