# GIACOMO CARLINI

## Contact Information

School of Economics and Finance
Queen Mary University of London
Mile End Road
London, United Kingdom

**Phone:** +447518706919
**Email:** g.carlini@qmul.ac.uk
**Web:** https://giacomocarlini.github.io/

## References

**Gino Gancia**
University of Milan - Bicocca
Professor of Economics
Email: gino.gancia@gmail.com

**Sang Yoon (Tim) Lee**
Queen Mary University of London
Reader in Economics
Email: sylee.tim@qmul.ac.uk

**Tom Schmitz**
Queen Mary University of London
Reader in Economics
Email: t.schmitz@qmul.ac.uk

**Placement Director:** Andrea Tesei; Email: a.tesei@qmul.ac.uk

## Education

**MRes, PhD in Economics**, Queen Mary University of London, UK, *2019 - Present*
<u>Thesis Title</u>: Essays in Macroeconomics and Labor Economics

**MRes in Economics**, Universitat Pompeu Fabra, Spain, *2018 - 2019*

**MSc in Economics**, Barcelona School of Economics, Spain, *2017 - 2018*

**BSc in Economics**, Catholic University of Sacred Heart, Italy, *2014 - 2017*

## Research Fields

Macroeconomics, Labor Economics, Economic Growth and Development

## Research Papers

*"The Geography of Assortative Matching"* (Job Market Paper)

<u>Abstract:</u> This paper investigates why assortative matching between workers and firms is stronger in large cities than in small cities. I develop a search and matching model with heterogeneous workers and firms to analyze how worker composition and labor market frictions affect equilibrium sorting. I calibrate the model to match salient moments of matched employer-employee data from Germany. I find that matching efficiency plays a major role in explaining differences in assortative matching across cities. Moreover, the effect is amplified by a more disperse workers productivity distribution, since there are higher returns from matching with similar types for both workers and firms. Using the calibrated model, I show that around 5% of GDP gap observed between large and small cities can be explained by differences in assortative matching. Overall, the paper stresses the importance of studying local labor market frictions and workers productivity distribution together to understand why the allocation between heterogeneous workers and firms vary between cities, and the resulting implications for spatial inequality.

*"Task-Biased Technologies Adoption Across Countries"* with P. B. Cesana

Abstract: In this project we study how the task content of occupations differs across countries. Using data from PIAAC, we propose a measure of "task intensity" to quantify the relative importance of each task within occupation, across countries. We find there is a negative relation between the routine task intensity and GDP per capita: the richer the country, the less intense the use of routine tasks, within occupation. In order to rationalize these findings, we propose a simple production model in which technology is task-biased. The allocation of tasks within occupation depends on tasks productivity: when tasks are complements in production, an increase in the relative productivity of one task reduces its intensity with respect to the others. This is reflected in all occupations, since tasks are common to all of them. In the cross-country context, we interpret a relatively high intensity in routine tasks as a low routine specific productivity relatively to the other tasks. In the quantitative exercise we calibrate the model by matching moments obtained from the survey and from aggregate data. Task-specific productivities are directly informed by task intensities in each country. Finally, we quantify the contribution of the dispersion in task productivities on GDP differences across countries.

# Conferences and Seminars

2024    Macro Internal Seminar (QMUL), NSE 3rd PhD and Post-Doctoral Workshop in Economics and Finance (Naples), 22nd Brucchi Luchino Labor Economics Workshop *(scheduled)*

2022    Macro Internal Seminar (QMUL)

2021    PhD Conference (QMUL)

Organizer: 5th QMUL PhD Workshop in Economics and Finance (2023)

# Research Experience

2019    *IESE Business School*, Research Assistant for Professor Cristian Eufinger

2018    *Universitat Pompeu Fabra*, Research Assistant for Professor Andrea Caggese

# Teaching Experience

**Queen Mary University of London**

2024    Teaching Assistant for Games and Strategies (Professor Christopher Tyson)

2023    Teaching Assistant for Games and Strategies (Professor Christopher Tyson)
        Teaching Assistant for Microeconomics II (Professor Nick Vriend)

2022    Teaching Assistant for Microeconomics II (Professor Pawel Dziewulski)

2021    Teaching Assistant for Microeconomics II (Professor Pawel Dziewulski)
        Teaching Assistant for Econometrics II (Professor Stepana Lazarova)

2020    Teaching Assistant for Contemporary Issues in Economics (Professor Guglielmo Volpe)
        Teaching Assistant for Economics and Finance in Action (Professor Daniela Tavasci)

**London School of Economics**

2023    Teaching Assistant for Microeconomics II (Professor Chiara Sotis)

# Grants and Fellowships

CEMFI Summer School Tuition Waiver, *2023*

Queen Mary University of London PhD Studentship, *2019- Present*

Catholic University of Sacred Heart Summer School Program Funds, *2017*

# Languages and Technical Skills

**Languages:** Italian (Native), English (Fluent), Spanish (Fluent)

**Software and Programming:** Julia, Matlab, Python, Stata