Sébastien Lamproye

Department of Economics, KU Leuven
Naamsestraat 69, 3000 Leuven, Belgium
sebastien.lamproye@kuleuven.be · lamproye.com

Current Positions

Doctoral Researcher in Economics 2021–present
KU Leuven.
Fields: Industrial Organisation, Macroeconomics, International Trade.
Research focus: Market power, production networks, innovation and aggregate welfare.
Approach: Firm-level empirical analysis and economic modelling.
Supervisor: Prof. Johannes Van Biesebroeck.
Dissertation: *Market Power in Value Chains.*

External Researcher 2022–present
National Bank of Belgium.

Education

PhD in Economics 2021–2027 (expected)
KU Leuven. Expected completion: spring 2027.

MSc in Statistics 2020–2021
Department of Mathematics, Université Libre de Bruxelles; cum laude.

MRes in Economics (APE, doctoral track) 2018–2020
Paris School of Economics; magna cum laude.

BA in Economics 2015–2018
Solvay Brussels School of Economics and Management, Université Libre de Bruxelles; magna cum laude.
Ranked first out of 137 students.

BSc in Business Engineering 2015–2018
Solvay Brussels School of Economics and Management, Université Libre de Bruxelles; cum laude.
Completed concurrently with the BA in Economics.

Fellowships and Awards

PhD Fellowship in Fundamental Research 2023–2027
Research Foundation – Flanders (FWO).

KU Leuven Scholarship 2021–2023

Research

Job Market Paper

Market Power and Firm-Level Welfare Incidence

Sole-authored.

I derive exact marginal and finite measures of how an individual firm's markup changes affect fixed-cost-adjusted total welfare cost in a parsimonious static allocation model. Belgian company accounts for 1985–2024 reveal concentrated effects and persistent high-incidence rankings that differ from those based on sales, markups and profitability. The measures evaluate separate firm-level changes rather than decompose the economy's total welfare cost.

Research (continued)

Working Papers

Market Power and Firm-Level Welfare Impact in Production Networks
With Emmanuel Dhyne. Forthcoming NBB Working Paper.

Using Belgian firm-to-firm transactions for 2002–2014, we quantify the total welfare cost of markups and the effect of changing an individual firm's markup on that aggregate loss. Production links amplify model-implied losses; positive firm-level effects are concentrated and persistent.

Aggregating Markups in Production Networks
With Emmanuel Dhyne. Forthcoming NBB Working Paper.

We derive an economy-wide markup accounting for direct and indirect production links, comparing household expenditure with the primary-factor cost of producing the same consumption bundle. Belgian firm-to-firm data for 2002–2014 show that upstream firms account for roughly one quarter to one third of the aggregate price–cost wedge.

Revise and Resubmit

Technological Knowledge Intensity and Intergenerational Mobility across U.S. Regions
Sole-authored. Revise and resubmit at *Economics of Innovation and New Technology*.

I combine regional income-mobility estimates with U.S. patent records to study the relationship between regional technological knowledge intensity and intergenerational upward mobility.

Policy Publication

Are We More Accurate? Revisiting the European Commission's Macroeconomic Forecasts
Andras Chabin, Sébastien Lamproye and Milan Výškrabka.
European Economy Discussion Paper 128, European Commission, 2020.

Submitted Papers

Equal Static Gains, Unequal Growth: Trade and the Allocation of R&D
Sole-authored.

When Comparison Makes Markets Tip
With Duy-Anh Phan.

Work in Progress

Patents, Diffusion, and the Gap Between Discovery and Use
With Tselmuun Tserenkhuu.

Contracts, Corruption, and Relocation: A Theory of Carbon Leakage
With Duy-Anh Phan.

Correction for Guessing as Information Revelation
With Michał Kobielarz and Johannes Van Biesebroeck.

Teaching Experience

Teaching Assistant 2024–2025
Global Value Chains, KU Leuven.

Teaching Assistant 2021–2024
Intermediate Microeconomics, KU Leuven.

Teaching Assistant 2017–2018
Introductory Macroeconomics, Université Libre de Bruxelles.

Supervision and Academic Service

- **Co-supervisor** of 10 completed master's theses and two ongoing theses (2026–2027), with Prof. Johannes Van Biesebroeck as principal supervisor; examiner for additional master's theses.
- **Master's Thesis Coordination**, KU Leuven (2024–2025): coordinated the organisation and scheduling of approximately 250 master's thesis defences.
- **Journal refereeing:** *Economics of Innovation and New Technology.*

Previous Research Experience

Research Assistant 2020–2021
ECARES, Université Libre de Bruxelles.

Research Assistant 2019
Collège de France. Research on patents and innovation with Prof. Philippe Aghion.

Economic and Statistical Analyst Trainee 2018
European Commission, Directorate-General for Economic and Financial Affairs (DG ECFIN).

Selected Presentations

University of Tokyo; Osaka Metropolitan University; Keio University; KU Leuven; National Bank of Belgium; European Commission, DG Competition; Belgian Competition Authority; ECARES–ULB Seminar; Central European University; Paris School of Economics; Innovation Lab Seminars, Collège de France and INSEAD; Doctoral Workshop at UCLouvain, UNamur and Université Saint-Louis Bruxelles.

Additional Experience

Seasonal Fundraiser Summers 2016–2019
Arbeiter-Samariter-Bund Deutschland and Malteser Hilfsdienst, Germany.

Languages

Native speaker of French and Dutch; fluent in English, Spanish and German.

Sporting Achievements

Belgian national judo champion, −100 kg category (2025); judo black belt (1st DAN).

References

Prof. Johannes Van Biesebroeck
KU Leuven · jo.vanbiesebroeck@kuleuven.be

Prof. Jan De Loecker
KU Leuven · jan.deloecker@kuleuven.be

Prof. Emmanuel Dhyne
National Bank of Belgium and University of Mons · emmanuel.dhyne@nbb.be