

# Lei Xu

## Contact Information

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## Professional Experience

<b>IESE Business School</b> Affiliated Research Fellow	2022 - Now
<b>Queen's University</b> Adjunct Assistant Professor, Department of Economics	2021 - 2022
<b>Bank of Canada</b> Senior Economist (Director: <a href="#">Kim Huynh</a> )	2019 - 2021
<b>Toulouse School of Economics</b> Postdoctoral Researcher (Advisors: <a href="#">Jacques Crémer</a> , <a href="#">Pierre Dubois</a> )	2016 - 2019
<b>Rotman School of Management, University of Toronto</b> Visiting Scholar, Business Economics Unit	2014 - 2015
<b>Stern School of Business, New York University</b> Visiting Scholar, Business Economics Department	2012 - 2014

## Education

<b>McGill University</b> Ph.D. in Economics (Advisors: <a href="#">Luis Cabral</a> , <a href="#">Fabian Lange</a> , <a href="#">Licun Xue</a> , <a href="#">Mitchell Hoffman</a> )	2010 - 2016
M.A. in Economics	2009 - 2010
B.A. Joint Honors in Economics and Finance	2005 - 2009

## Research Fields

Industrial Organization, Applied Microeconomics

## Publication

### [Algorithmic Pricing and Competition: Empirical Evidence from the German Retail Gasoline Market](#)

with Daniel Ershov (Toulouse School of Economics), Stephanie Assad (Competition Bureau), and Robert Clark (Queen's University), *Journal of Political Economy*, March 2024, Volume 132, Number 3.

### [Gender Bias in Open Source Software Communities: Evidence From Stack Overflow](#)

with Tingting Nian (University of California - Irvine), and Sanjeev Dewan (University of California - Irvine), *Information Systems Research*, 2024.

### [Identifying Algorithmic Pricing Technology Adoption in Retail Gasoline Markets](#)

with Daniel Ershov (Toulouse School of Economics), Stephanie Assad (Competition Bureau), and Robert Clark (Queen's University), VOL. 112, MAY 2022, *AEA Papers and Proceedings*, 2022, 112: 1-5.

### [Autonomous Algorithmic Collusion: Economic Research And Policy Implications](#)

with Stephanie Assad, Emilio Calvano, Giacomo Calzolari, Robert Clark, Vincenzo Denicolo, Daniel Ershov, Justin Johnson, Sergio Pastorello, Andrew Rhodes, and Matthijs Wildenbeest, Volume 37, Issue 3, Autumn 2021, Pages 459–478, *Oxford Review of Economic Policy*.

**Seller Reputation and Price Gouging: Evidence from the COVID-19 Pandemic**

with Luis Cabral, March 2021, *Economic Inquiry*, 59 (3):867-879.

**What Makes Geeks Tick? A Study of Stack Overflow Careers**

with Tingting Nian and Luis Cabral, February 2020, *Management Science*, 66 (2):503-1004.

**Working Papers**

**Technology Adoption in Dependency Networks: A Study of the Python Programming Language**

with Xintong Han (Concordia University)

**Dynamic Cash Inventory Model**

with Kim Huynh (Bank of Canada) and Alex Oleksandr Shcherbakov (Bank of Canada)

**Platform Competition with Local Network Effects**

**Works In Progress**

**Why Adoptions Fail: Implications for the Issuance of Central Bank Digital Currency**

**Economic Cost of Weather and Air Pollution on Offline Retail** Mantian Hu (The Chinese University of Hong Kong) and Matthew Osborne (University of Toronto)

**Conferences & Seminars**

**2021**

University of Colorado - Boulder

University of New Mexico

The 19th Annual International Industrial Organization (IIOC)

4th Doctoral Workshop on The Economics of Digitization (discussant), Toulouse

Canadian Economics Association, Vancouver

2021 China Meeting of the Econometric Society, Shanghai

2021 SUFE-IESR China Virtual Industrial Organization Seminar (China-VIOS), Shanghai

**2020**

Econometric Society World Congress, Milan

International Industrial Organization Conference (IIOC), Boston

The Digital Economics Conference, Toulouse School of Economics

NBER Summer Institute - Economics of IT and Digitization, Boston

**2019**

SUFE IO Summer School, Shanghai

2019 Asian Meeting of the Econometric Society, Xiamen

Hong Kong Baptist University, Hong Kong

Bank of Canada, Ottawa

IE Business School, Madrid

Charles River Associates, Boston

**2018**

European Association for Research in Industrial Economics (EARIE), Athens

**2017**

The Economics Of Data Ownership Access And Trade, Brussels

NBER Summer 2017: Economics of IT and Digitization, Boston, MA

## 2016

Labor Market Adjustments to Digitization and the Future of Work, Mannheim  
16th ZEW Conference on the Economics of Information and Communication Technologies, Mannheim  
NBER Summer 2016: Economics of IT and Digitization, Boston, MA

## 2015

The Digital Economics Conference, Toulouse School of Economics  
2015 INFORMS Annual Meeting Philadelphia, PA  
NBER Summer 2015: Economics of IT and Digitization, Boston, MA  
Platform Strategy Research Symposium, Boston, MA  
Fourth Society of Labor Economists World Conference (SOLE), Montreal  
13th International Industrial Organization Conference (IIOC), Boston

## 2014

12th International Industrial Organization Conference (IIOC), Chicago

## 2013

European Association for Research in Industrial Economics, Portugal

## Services

[The Digital Economics Conference](#), Toulouse School of Economics 2016 - 2019  
Co-organizer for the annual conference

## Teaching Experience

[The Economics of Regulation](#) (ECON371), Queen's University Fall 2021

## Research Assistantship

[Jidong Zhou](#) 2014 "Multiproduct Search and the Joint Search Effect", *American Economic Review*, 104(9), 2918-2939.

## References

### [Luís Cabral](#)

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### [Robert Clark](#)

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