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Research Interests **Primary:** Empirical Industrial Organization; Economics of Digitization
Secondary: Applied Microeconomics; Competition Policy

References

Bruno Jullien
Toulouse School of Economics
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Timothy Simcoe
Boston University
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Daniel Ershov
UCL School of Management
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Alexandre de Cornière
Toulouse School of Economics
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Education

Toulouse School of Economics
Ph.D. in Economics 2017-2023 (*expected*)
M.Sc. in Economic Theory and Econometrics 2015-17

University of Mannheim
B.Sc. in Economics 2012-15

Academic Visits

Boston University: Technology and Policy Research Initiative Jan-Jun 2022
& **Questrom School of Business** (6 months)

Yale School of Management (1 week) Apr 2022

Hong Kong University of Science and Technology Sep-Dec 2014
(4 months, undergrad)

Working Papers

[1] Entry and Acquisitions in Software Markets

Job Market Paper

- **Schumpeter Prize** for Best Student Paper in Antitrust, 2022.
- **Finalist, Lear Competition Festival Award**, 2021.

Abstract: How do acquisitions of young, innovative, venture capital-funded firms (startups) affect firms' incentives to enter a market? I create a product-level dataset of enterprise software, and use textual analysis to identify competing firms. Motivated by new stylized facts on startup acquisitions in software, I build and estimate a dynamic model of startups' entry decisions in the face of these acquisitions. In the model, acquisitions can affect returns to entry (1) by affecting market structure, and (2) by providing an entry-for-buyout incentive to potential entrants. Using the parameter estimates, I simulate how startup entry would evolve over time if merger control was tightened. The simulations reveal that, if all startup acquisitions were blocked, entry would decline on the order of 8-20% in some markets. In contrast, I find suggestive evidence that blocking mergers between established industry players and more mature startups might increase

entry. These findings indicate that case-by-case merger review can best foster sustained startup entry.

[2] How Do Online Product Rankings Influence Sellers' Pricing Behavior?

Abstract: Products that are displayed more prominently on e-commerce platforms are more likely to be found and purchased by consumers. The algorithms ranking these products, however, may condition a product's position in a listings page on its price. Using web-scraped data from hotels displayed on Expedia and an instrumental variable identification strategy, I find that the ranking algorithm tends to display hotels at *less* favorable positions at times at which they are priced *higher*. I provide a framework that employs these estimates jointly with demand parameters obtained from a sequential search model. I simulate a counterfactual scenario, and reveal that Expedia's ranking algorithm tends to intensify price competition between sellers compared to a random ranking. This increases consumer welfare, but reduces seller profits. My finding has consequences for two-sided platforms' optimal design of ranking algorithms: in order to foster adoption, platforms should carefully trade off benefits arising to the two sides, and consider equilibrium effects.

Work in Progress **Pass-through of Prices on E-Commerce Platforms**
(with Jun Yan and Li Yu)

First Mover Advantage and Imitation in Product Innovation
(with Vatsala Shreeti)

Presentations

* scheduled

‡ cancelled

2022: Boston University Econ (Empirical IO Reading Group)
Questrom School of Business (Strategy & Innovation Brown Bag)
Technology and Policy Research Initiative (Boston University)
Trans-Atlantic Doctoral Conference (online)
EARIE (Vienna)
Jornadas de Economía Industrial (Las Palmas de Gran Canaria)
APPAM (Washington D.C.)

2021: LED Young Economist Seminar (Université Catholique de Louvain)
Lear Competition Festival (online)

2020: Workshop on Platforms, E-Commerce and Digital Economics[‡] (CREST Paris)
Trans-Atlantic Doctoral Conference[‡] (London Business School)
EBE Summer Meeting[‡] (LMU Munich)

2019: Competition and Innovation Summer School (Montenegro)
EARIE (Barcelona)

(Not listed: multiple workshop presentations at TSE in every year.)

Invited Workshops

CEPR Paris Winter Symposium 2021 (postponed due to Covid-19)
NBER Economics of Digitization: Tutorial (online, 2021)
Digital Economics Research Network (DERN) Workshop (Brussels, 2019)
NBER Economics of Artificial Intelligence: Graduate Workshop (Toronto, 2019)

Teaching Assistantships

Competition Policy Workshop (M.Sc.), TSE Spring 2020-Fall 2021
Intermediate Econometrics (M.Sc.), TSE Fall 2020
Intermediate Econometrics (M.Sc.), TSE Fall 2019
Applied Econometrics (M.Sc.), TSE Spring 2019

Research Assistantships

University of Mannheim: Collaborative Research Center 2012-13
"Political Economy of Reforms"; 12 months
Mannheim Center for European Social Research (MZES); 3 months 2011-12

Internships	UNIDO , Vienna (Austria); 4 months	2016
	Landesbank Hessen-Thüringen , Frankfurt (Germany); 2 months	2014
Scholarships & Grants	TSE Job Market Fellowship	2022
	ADRES Conference Travel Grant	2022
	UT1 Mobility Grant and EUR TSE Mobility Grant :	2022
	· Academic Visit to Boston University	
	Fondation Jean Jacques Laffont Scholarship	2021-22
	Toulouse School of Economics PhD Scholarship	2017-21
	Alfred P. Sloan Foundation : NBER Conference Sponsorship	2019
PROMOS Scholarship , German Academic Exchange Service (DAAD)	2014	
Awards	Schumpeter Prize , Best Student Paper on Antitrust	2022
	Finalist, Lear Young Talent Competition Award	2021
	Dean's List , Hong Kong University of Science and Technology	2014
Referee Service	<i>Journal of Asian Economics</i>	
Professional Service	Mentoring and Organization, Women in Economics at TSE	2020-2022
	Coordinator, Applied Micro Workshop, TSE	Fall 2018
Technical Skills	Proficient: R, Python, MATLAB, L ^A T _E X Intermediate: STATA	
Languages	German (native), English (fluent), French (fluent), Mandarin (very basic)	

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