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Placement Officer: Alexander Guembel, alexander.guembel@tse-fr.eu
Coordinator Officer: Daniel Ershov, daniel.ershov@tse-fr.eu
Placement Secretary: Ludmila Namolovan, ludmila.namolovan@tse-fr.eu

Current Position

Ph.D. Candidate in Economics, Toulouse School of Economics 2014 – 2020 (*expected*)
Thesis Title: “Economics of Competition and Innovation”
Job Market Paper: “Impact of online reputation on ethnic discrimination”

References

Prof. Patrick Rey

Toulouse School of Economics
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Prof. Timothy Simcoe

Boston University
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Prof. Mathias Reynaert

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Prof. Jacques Crémer

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Prof. Marc Ivaldi

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Visiting &
Prior Education

Visiting Researcher at Questrom School of Business, Boston University, Boston, U.S.A.,
Spring 2019
M.Sc. Econometrics and Mathematical Economics, Toulouse School of Economics,
Toulouse, France, Honors 2013-2014
M.Sc. Economics, Tilburg University, The Netherlands, Highest Honors, 2011-2012
B.Sc. Economics, Warsaw School of Economics, Poland, 2008-2011

Research
Interests

Primary fields: Industrial Organisation, Applied Microeconomics
Secondary fields: Econometrics, Competition Policy

Job Market Paper **“Impact of online reputation on ethnic discrimination”, with Xavier Lambin, June 2019**

This paper shows that reputation systems can mitigate ethnic discrimination by enabling ethnic minority sellers to accrue high reputation quickly, leading buyers to update their beliefs. Using data from a ridesharing platform, we find that minority drivers with no reviews make 12% less revenue relative to similar nonminority drivers. This disparity gradually shrinks and almost disappears for experienced drivers. To understand the mechanism behind this process, we construct a model of career concerns' of discriminated sellers in the presence of a reputation system. The model's estimates show that minority drivers, who just entered the platform, face overly pessimistic beliefs about the quality of their service. To alter these beliefs, they exert high effort and offer low introductory prices, swiftly boosting their reputation. Counterfactual simulations reveal that the cost of incorrect prior beliefs is high and that the reputation system strictly benefits minority drivers.

- Media coverage: *Boston University TPRI newsletter*, May 2019
- *Best paper award*, Workshop on Digitization, Telecom ParisTech, May 2018

Working Papers **“Pay-for-delay with settlement externalities”, with Matias Pietola, May 2019**
R&R – The RAND Journal of Economics

Motivated by recent antitrust cases in the pharmaceutical industry, this article studies the interplay between pay-for-delay settlements, licensing deals and litigation. Our analysis highlights the externalities that they generate: pay-for-delay settlements reduce competition which encourages entry; licensing and litigation make entering less profitable. Faced with multiple entrants, the incumbent exploits these externalities by offering licensing deals to some entrants or by pursuing litigation in order to decrease the cost of delaying contracts offered to others. The number of delayed entrants increases with patent strength. Entrants without pay-for-delay settlements pursue litigation for patents of intermediate strength; otherwise, they receive licensing deals.

- This paper won the *AdC Award 2018*, for the best unpublished paper on competition economics
- *Policy report* for the Yearbook of the Finnish Competition Law Association , April 2019

“Competition-Innovation Nexus: Product vs. Process, does it matter?”, December 2015

This paper investigates competition and innovation relationship with a special focus on the product vs. process distinction. Competitive advantages stemming from different types of innovation are of distinct nature; therefore the impact of market structure on the firms’ incentives to innovate should differ. First, I develop a theoretical model allowing a study of differences in the competition-innovation relationship depending on the type of innovation: product vs. process. Second, conjectures stemming from the theoretical model are tested using a new data. Dataset is constructed using the Community Innovation Survey and the Structural Business Statistics; it encompasses over 90 thousand European enterprises and provides new measures of competition and innovation: innovation intensity by successful innovators and a ratio of gross operating profit to turnover. Inverted U-shape relationship is found between competition and innovation. Difference in product and process- oriented sectors is tested.

“The price is right!”, with Rossi Abi-Rafeh, August 2019

Prices in online markets frequently pose an empirical puzzle: entrant sellers, with no reviews, set higher prices than incumbents. In the context of a popular ride-sharing platform, we show that this is due to selection on unobserved heterogeneity in sellers’ marginal costs. Accounting for the heterogeneity in marginal costs, we find that sellers increase their prices as they gain reviews. The high-cost sellers set high prices for their first listings and leave the platform early on. We rationalize this behavior in a dynamic oligopoly model where sellers are heterogeneous in their opportunity and marginal costs. We estimate a model of demand and use the recovered parameters to calibrate a simulation of market dynamics with long-lived drivers and their reputation as a state variable. Simulations allow us to recover the empirically observed dynamics of prices and exit decisions.

Work in Progress **“What's in a rating? The dynamics of homophily in a platform.”, with Xavier Lambin, June 2019**

Teaching	<p><u>2016/17, 2017/18, 2018/19</u>: Competition Policy Workshop (graduate), Toulouse School of Economics, Professors Patrick Rey, Bruno Jullien</p> <p><u>Spring 2016</u>: Applied Econometrics (graduate), Toulouse School of Economics, Prof. Francois Poinas</p> <p><u>Spring 2016</u>: Econometrics (undergraduate), Toulouse School of Economics, Prof. Thierry Magnac</p>
Awards & Grants	<p><u>Best paper award</u>, Workshop on Digitization, Telecom ParisTech, May 2018</p> <p><u>AdC Award 2018</u> for the best unpublished paper on competition economics, October 2018</p> <p>Digital Center Scholarship, Toulouse School of Economics, 2019 – 2020</p> <p>Mobility Grant, Toulouse School of Economics, Spring 2019</p> <p>Fondation Jean Jacques Laffont Scholarship from the European Research Council under Grant Agreement no. 340903, 2018 – 2019</p> <p>Fondation Jean Jacques Laffont Scholarship from the European Research Council under Grant Agreement no. 340903, 2017 – 2018</p> <p>Toulouse School of Economics Doctoral Scholarship, 2014 – 2017</p>
Presentations at conferences	<p><u>2019</u>: EARIE 2019, Barcelona; 7th WIPE, Reus; IIOC (rising star session), Boston; Columbia Business School (Applied Micro seminar); Boston University (Technology Policy Research Initiative seminar); Questrom School of Business (Strategy & Innovation seminar)</p> <p><u>2018</u>: 11th Digital Economics Conference, Toulouse; IIOC , Indianapolis; 2nd Doctoral Workshop on Digitization, Paris; CRESSE , Heraklion; EARIE 2018, Athens; 33rd Jornadas de Economia Industrial, Barcelona</p> <p><u>2017</u>: ENTER Seminar, Mannheim; CRESSE , Heraklion; EARIE (rising star session), Maastricht</p> <p><u>2016</u>: Workshop in Economics of Innovation, Complexity and Knowledge, Turin</p>
Referee service	Review of Industrial Organization
Non-academic Experience	<p>PwC Poland, Associate in Financial Services Consulting Team, 2012 - 2014</p> <p>McKinsey&Company, Student Support Research&Information Team, 2012</p>
Software	R, Python, MatLab, STATA, Mathematica, SAS, LaTeX
Languages	Polish (native), English (fluent), French (intermediate), Russian (basic), German (basic)
Other interests	<p>Surfing, skiing, rock climbing</p> <p>Literature, cooking polish soups & greek meze</p>