

# JOSÉ TUDÓN

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## **Office Contact Information**

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## **Personal Information**

Born June 13th, 1987 in Ciudad Madero, Tamaulipas, México. Male. Married. Mexican citizen.

## **Education**

Ph.D., The University of Chicago, 2012 to 2018

Thesis Title: “Congestion v Content provision in Net Neutrality: The case of Amazon’s Twitch.tv”

M.A., Economics, The University of Chicago, 2014

B.A., Economics, ITAM, Mexico City, double major with Applied Mathematics, 2011

### References:

*Ali Hortaçsu*

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*Balázs Szentes*

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## **Research and Teaching Fields**

Primary field: Industrial Organization.

Secondary fields: Applied theory, applied microeconomics.

## **Academic Employment**

Assistant Professor, ITAM Business School, starting Fall 2018.

## Teaching Experience

Teaching Assistant at The University of Chicago:	
Introduction to Microeconomics (Undergrad) for John List and Anya Samek	Spring 2015
Evolutionary Game Theory (Ph.D.) for Balázs Szentes	Springs 2015, 2017
Elements of Economic Analysis II (Undergrad) for Richard Van Weelden	Winter 2016
Analysis of Collective Decision Making (Undergrad) for Richard Van Weelden	Spring 2016
Time Series Econometrics (Undergrad) for James Marrone	Spring 2016
Microeconomics (MBA) for Seth Zimmerman	Fall 2016
Introduction to Industrial Organization (Undergrad) for Michael Dinerstein	Winter 2017

## Research Experience

Research Assistant to Ali Hortaçsu, The University of Chicago	Fall 2013– Spring 2018
Research Assistant to Enrique Seira, ITAM	January 2011– June 2012
Research Assistant to Miguel Iraola, ITAM	January 2011– June 2011

## Honors, Scholarships and Fellowships

NET Institute Research Grant Recipient	2017
Finalist, Illinois Economics Association's Graduate Paper Competition	2017
Sherwin Rosen Fellowship, The University of Chicago	2017
Presidential Scholarship, Division of Social Sciences, The University of Chicago	2012–2017
Outstanding Author Contribution, Emerald Literati Network Awards for Excellence	2015
Econometric Society World Congress 2015 Travel Grant Award	2015
Stony Brook Center for Game Theory Travel Award	2015
Graduate Student Affairs Travel Award, The University of Chicago	2015

## Publications

1. "Perception, Utility and Evolution," forthcoming at *Economic Theory Bulletin*.
2. "Pay-what-you-want because I do not know how much to charge you" in *Economics Letters*, Volume 137, 41-44, 2015.
3. "The profitability and performance of U.S. regional banks using the predictive focus of the 'fundamental analysis research'" with Glenn Growe, Marinus DeBruine and John Y. Lee in *Advances in Management Accounting*, Volume 24, 191-239, 2014.
4. "A simple search model to avoid Diamond paradox" (in Spanish) in *Gaceta de Economía* núm. 29, año 17, ITAM, 2011.
5. "An escape to Diamond paradox" with José García (in Spanish) in *Gaceta de Economía* núm. 28, año 16, ITAM, 2010.

## Working Papers

1. "Congestion v Content provision in Net Neutrality: The case of Amazon's Twitch.tv," *Job Market Paper*.

*Abstract:* Net neutrality encourages content provision but also increases congestion from more data traffic. I study net neutrality in Twitch.tv, a popular, non-neutral internet platform, which gives priority to the most popular content providers by compressing their data, which makes them accessible to more consumers. I estimate congestion, demand, and supply models. Using a technological shock that increased data traffic, I identify the costs of

congestion for content providers and their consumers. Using shocks in allocations of prioritization, I identify its benefits. With estimated preferences and technological parameters, I study a net-neutral counterfactual. Consumer welfare drops 5%. In a second counterfactual, a monopolistic platform extracts rents from prioritization. Net neutrality, which prohibits priority charges, increases content provision, but consumer welfare still drops due to lower content quality and congestion externalities.

2. “Can Price Dispersion be supported solely by Information Frictions?”

*Abstract:* Yes, but one needs to assume that consumers know the realized price distribution, and that they do not know which firm has what price. Even with identical consumers and identical firms, if firms set prices in a first stage, and if consumers search sequentially in a second stage, then price dispersion arises in the form of a mixed strategy subgame perfect Nash Equilibrium. In contrast to Burdett and Judd (1983), price quotes are not required to be “noisy.” Moreover, actual search is predicted to be nontrivial.

3. A Memo on the Proof-of-Stake Mechanism with George Gui and Ali Hortaçsu.

*Abstract:* We analyze the economic incentives generated by the proof-of-stake mechanism discussed in the Ethereum Casper upgrade proposal. Compared with proof-of-work, proof-of-stake has a different cost structure for attackers. In Budish (2018), three equations characterize the limits of Bitcoin, which has a proof-of-work mechanism. We investigate their counterparts and evaluate the risk of double-spending attack and sabotage attack. We argue that PoS is safer than PoW against double-spending attack because of the tractability of attackers, which implies a large “stock” cost for the attacker. Compared to a PoW system whose mining equipments are repurposable, PoS is also safer against a sabotage attack.

### Conference Presentations

16th Annual International Industrial Organization Conference, Indianapolis, IN	April 2018
47th Annual Meeting, Illinois Economics Association, Chicago, IL	October 2017
2nd Annual Digital Information Policy Scholars Conference, George Mason U.	April 2017
11th World Congress of the Econometric Society, Montréal, Canada	August 2015
26th International Conference on Game Theory, Stony Brook University	July 2015
13th Annual International Industrial Organization Conference, Boston, MA	April 2015

### Seminar Presentations

US Federal Communications Commission	2018
University of Mannheim, Cornell University, Clemson University	2018
CIDE, Banco de México, ITAM	2018
Applied Microeconomics Workshop, The University of Chicago	2017
Industrial Organization Workshop, The University of Chicago	2014, 2016, 2017
Economic Theory Workshop, The University of Chicago	2014, 2015, 2016

### Professional Service

Reviewer for: <i>Journal of Public Economics</i> , <i>Journal of Political Economy</i> .	
Editor-in-Chief of the <i>Gaceta de Economía</i>	January 2011–June 2011
Editor of the <i>Gaceta de Economía</i>	2009–2011