

Juan F. Escobar

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EMPLOYMENT

Associate Professor, Department of Industrial Engineering, University of Chile (2018-present)

Assistant Professor, Department of Industrial Engineering, University of Chile (2009-2018)

EDUCATION

PhD Economics, Stanford University (2009)

MS Applied Economics (MagCEA), University of Chile (2005)

Mathematical Engineering, University of Chile (2003)

RESEARCH INTERESTS

Microeconomic Theory, Mechanism Design, Industrial Organization

PUBLICATIONS

Publications in Refereed Journals

A Spatial Theory of Urban Segregation (with Gian Luca Carniglia), 2023
Journal of Public Economic Theory

The 5G Auction in Chile (with R. Epstein, J. Correa, P. Gidi, J Markovits, N. Epstein, Y. Montenegro, A. Turkieltaub), 2023
Telecommunications Policy

School Choice in Chile (with J. Correa, N. Epstein, R. Epstein, I. Rios, N. Aramayo, B. Bahamondes, C. Bonet, M. Castillo, A. Cristi, B. Epstein, F. Subiabre.), 2022
Operations Research

Delegating Learning (with Qiaoxi Zhang), 2021
Theoretical Economics

Protocol Invariance and the Timing of Decisions in Dynamic Games (with Ulrich Doraszelski), 2019
Theoretical Economics

Cooperation Dynamics in Repeated Games of Adverse Selection (with Gaston Llanes), 2018
Journal of Economic Theory

Trust in Cohesive Communities (with Felipe Balmaceda), 2017
Journal of Economic Theory

Motivating with Simple Contracts (with Carlos Pulgar), 2017
International Journal of Industrial Organization

Efficiency in Games with Markovian Private Information (with Juuso Toikka), 2013
Econometrica

Equilibrium Analysis of Dynamic Models of Imperfect Competition, 2013
International Journal of Industrial Organization

Restricted Feedback in Long Term Relationships (with Ulrich Doraszelski), 2012
Journal of Economic Theory

Monopolistic Competition in Electricity Networks with Resistance Losses (with Alejandro Jofré), 2010
Economic Theory

A Theory of Regular Markov Perfect Equilibria for Dynamic Stochastic Games: Genericity, Stability, and Purification (with Ulrich Doraszelski), 2010
Theoretical Economics

Chapters in Books

Equilibrium Analysis for a Network Market Model (with Alejandro Jofré), 2006, *Robust Optimization-Directed Design*, Springer, Eds A.J. Kurdila, P.M. Pardalos, M. Zabrankin

Working Papers

Performance Bounds for Stable Matchings (with Martin Valdevenito), 2024

Search and Information in Centralized School Choice Systems (with Alfonso Montes), 2024

Revenue Maximization with Heterogeneous Discounting (with José Correa and Andres Perloth), 2019
RR Theoretical Economics

Segregation and affirmative action in school choice (with Leonel Huerta), 2021

AWARDS AND GRANTS

Awards and Honors

Fellow Society for Advancement of Economic Theory, 2024

Finalist EURO excellence in practice award 2019. Obtained for the paper *School Choice in Chile*

Semi-plenary talk, Stony Brook Game Theory Fest, 2019

The Leonard W. Ely and Shirley R. Ely Graduate Student Fellowship (2008-2009)

Graduate Fellowship, Stanford University (2004-2006)

Grants

Fondef Grant as PI for Auction Theory for Procurement Contracts in Public Infrastructure and Health (2022-2023)

Millennium Initiative Grant as PI for Institute for Research in Market Imperfections and Public Policy as PI (2015-2024), USD 5,000,000

Chilean Government research grants Fondecyt as PI (2009-2012, 2013-2016, 2018-2020, 2021-2023, 2024-2026)

TEACHING AND ADVISING

Teaching

Microeconomics I (G), Microeconomics II (G), Topics in Game Theory (G), Market Design (G), Introduction to Economics (UG), Game Theory and Strategy (UG), Industrial Organization (UG)

Graduate and Postgraduate Advising

Master students: 1. Carlos Pulgar (MS Applied Economics, 2012), 2. Felix Said (MS Applied Economics, 2012), 3. Juan Pablo Torres (MS Applied Economics, 2012), 4. Claudio Palominos (MS Applied Economics, 2013), 5. Felipe Carrera (MS Applied Economics, 2014), 6. Paulina Arenas (MS Applied Economics, 2014), 7. Pablo Cuellar (MS Applied Economics, 2014), 8. Pablo Ferreiro (MS Applied Economics, 2015), 9. Gian Luca Carniglia (MS Applied Economics, 2016), 10. Martin Castillo (MS Applied Economics, 2017), 11. Leon Hennen (MS Applied Economics, 2018), 12. Leonel Huerta (MS Applied Economics, 2019), 13. Piero Zanocho (MS Applied Economics, 2019), 14. Exequiel Padilla (MS Applied Economics, 2021), 15. Hugo Leyton (MS Applied Economics, 2021), 16. Martin Valdevenito (MS Applied Economics, 2022), 17. Luis Hernandez (MS Applied Economics, 2023), 18. Simon Andrade (MS Applied Economics, 2024)

Doctoral students (First placement in brackets): Andrea Canales 2014-2018 (Postdoc U Catolica), Exequiel Padilla 2021-

Postdoctoral (First placement in brackets): Jackie Zhang (2016-2020, U Diego Portales), Diana McDonald (2019-2020, Bank of Mexico), Alfonso Montes (2022-2024, U Diego Portales)

PROFESSIONAL ACTIVITIES

Memberships

Econometric Society, American Economic Association, Society for Advancement Economic Theory

Referee (Last 5 years)

Econometrica, American Economic Review, Review of Economic Studies, Theoretical Economics, AEJ: Microeconomics, Journal of Economic Theory, International Economic Review, Quantitative Economics, Games and Economic Behavior, Mathematics of Operations Research, Operations Research, among others

Organization of Scientific Events

Workshop on Game Theory and Economic Behavior, Santiago de Chile, 2013 (with M. Triossi) ; Workshop on Game Theory and Economic Behavior, Santiago de Chile, 2015 (with R. Ilkic); Workshop on Industrial Organization, 2015 (with C. Noton); Workshop on Dynamic Pricing, Santiago de Chile, 2017 (with J. Correa); Latinamerican Workshop in Economic Theory Econometric Society, Santiago Chile, 2022 (with S. Correa, R. Ilkic, Jackie Zhang); Workshop in Market Design, 2023, Santiago Chile (with I. Ashlagi, J. Correa), SAET 2024 Santiago Chile (with A. Jofre, A. Piazza)

OTHER ACTIVITIES

Visiting Positions

Toulouse School of Economics (December 2019-January 2020), EIEF Rome (January-March 2016), Wharton School of Business U Pennsylvania (September 2013), MIT (August 2011)

Main Consulting Activities

Auction Design (Telecommunications Office Subtel, Ministry of Economics), Matching Platforms (Ministry of Education), Competition and Regulation (Codelco, ANDESS)