TILSA ORÉ-MÓNAGO

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Research Fields

Applied Microeconomics with focus on Industrial Organization, Competition Policy, and Game Theory. Renewable energy - Green Hydrogen, Electricity markets, Critical minerals for the energy transition, Sustainability and community engagement.

Education

Ph.D. in Economics, Stony Brook University, USA, 2018.
M.A. in Applied Economics, University of Oklahoma, USA, 2012.
M.A. in International Trade and Economic Cooperation, Kyung Hee University, South Korea, 2005.
B.Sc. in Economics, Pontificia Universidad Catolica del Peru - PUCP, Peru, 2003.

Academic appointments

- Lecturer of Economics, Department of Economics, Rice University, Jul. 2023 to the present
- Lecturer of Computer Science, Master in Online Data Science Program, Department of Computer Science, Rice University, Jan. 2022 to Jun. 2023
- Adjunct lecturer, Master in Energy Economics Program, Department of Economics, Rice University, Jan. 2022 to Jun. 2023
- Assistant Professor (tenure-track), Department of Economics, Universidad de Piura UDEP - Lima School of Economics LimaSE, Peru, 2019 to Dec. 2021
- Undergraduate Program Director (Lima campus), Department of Economics, Universidad de Piura UDEP, Peru, Jan. 2020 to Jul. 2021
- Adjunct Professorial Lecturer, Department of Economics, American University, USA, 2018-2019

Work Experience

- Rice University's Baker Institute for Public Policy, USA
  Center for Energy Studies
  - Fellow in Energy and Market Design (Jan. 2022–up to date)
- The World Bank Group, USA
  Markets & Competition Global Team - Macroeconomics, Trade & Investment

  - Economist Consultant (Feb.2017–Jun. 2021)
- National Institute of Competition Defense and Intellectual Property Protection –INDECOPI, Peru
  Department of Economic Studies
  - Senior Economist –Head of the Economic Research Unit (Sep. 2007–Jul. 2010)
  - Economic Analyst –Economic Research Unit (May 2006–Sep. 2007)
- Ministry of Transportation and Communications –MTC, Peru
  Vice Ministry of Communications –Secretariat of Communications
  - Economic Adviser (Sep. 2005–Apr. 2006)

Teaching Experience

- Lecturer at Rice University
  Department of Economics
  - Game Theory ECON300 (Fall 2024, Spring/Fall 2025, Spring 2026 - undergraduate)
  - Applied Econometrics ECON209 (Spring, Fall 2024, 2025, 2026 - undergraduate)
  - Statistics and Applied Econometrics for Energy Markets ECON603 (Fall 2023, Fall 2024, Fall 2025 - graduate)
  - Industrial Organization and Energy Sector ECON620 (Spring 2022-2026 - graduate)

  Department of Computer Science
  - Probability and Statistics for Computing and Data Science COMP680 (Fall 2022, 2023, Spring 2026 - graduate)

  School of Social Sciences
  - Global Governance and International Business Environment GLBL532 (Fall 2024 - graduate)
- Assistant Professor (tenure-track) at Universidad de Piura (2019-II, 2020-I,II, 2021-I, II)
  - Principles of Microeconomics (undergraduate)
  - Game Theory and Contract Theory (undergraduate)
  - Imperfect Competition (undergraduate)
- Adjunct Professorial Lecturer at American University (Fall 2018, Summer 2019)
  - Introduction to Economic Theory (graduate/master)
  - Economics for Business (undergraduate)
- Instructor (lecturer) at Stony Brook University (2014 - 2018)
  - Introduction to Economics (undergraduate [traditional and online format])
  - Public Finance (undergraduate)
  - Game Theory (undergraduate [online])
- Instructor (lecturer) at Pontificia Universidad Catolica del Peru (2008)
  - Microeconomics I (undergraduate)
- Teaching Assistant at Stony Brook University (2012 - 2016, 2018)
  - Intermediate Microeconomics (undergraduate)
  - Intermediate Macroeconomics (undergraduate)
  - Game Theory (undergraduate)
  - Mathematical Statistics (undergraduate)
  - Introduction to Economics (undergraduate - Head TA of largest class [500 students])
- Teaching Assistant at Pontificia Universidad Catolica del Peru (PUCP) and Universidad del Pacifico (UP) (2003, 2009)

- Macroeconomics II at PUCP (undergraduate)
- Industrial Organization at UP (undergraduate)

Advising

- Koshi Lu, “Energy diversification and electricity prices in Taiwan." [Rice University, Undergraduate Honors Thesis for BSc in Mathematical Economics, 2026 expected.]
- Aadit Subedi, “Remittances in Nepal: A Gender Perspective" [Rice University, Undergraduate Independent Research, BSc in Mathematical Economics, 2027 expected.]
- Maritza Salvador Gaona, “Competitiveness of Mezcal producers in Michoacán.” [*Universidad Michoacana de San Nicolás de Hidalgo*, Mexico, PhD thesis in Sustainability and interculturality Sciences, 2027 expected.]
- Adrian Arenas, Natalio Sánchez & Andrés Quiñónez “*Incentivos mineros en la regulaciń de la Minería Artesanal y de Pequeña Escala en el Perú*.” [UDEP, Undergraduate thesis for BSc in Economics, 2023, completed]
- Alexandra Tapia Talledo “*Impacto del canon minero en el desarrollo económico de la región Ancash durante el periodo 2015-2019*.” [PUCP, Undergraduate thesis for BSc in Economics, 2023, completed]
- Melisa Vásquez Tafur “Socioeconomic impact of traffic accidents on Peruvian households” [UDEP, Thesis for the professional title (*Licenciatura*) in Economics, 2023, completed]
- Betzy Coveñas & Camila Larrea “*Impacto de desastres naturales en la escolaridad peruana: un análisis del Fenómeno El Niño y el retiro escolar*.” [UDEP, Undergraduate thesis for BSc in Economics, 2021, completed]
- Lady Abad & Carmen Meza “*El programa de Transferencias Monetarias Condicionadas “Juntos” y su impacto en el trabajo infantil*.” [UDEP, Undergraduate thesis for BSc in Economics, 2021, completed]
- Daniela Rodriguez & Maria Pia Hurtado “Impact of patronal festivals on the adolescent alcohol consumption.” [UDEP, Undergraduate thesis for BSc in Economics, 2020, completed]

Selected articles

- “Mining, governance and communities," In: Energy Insights 2025. Baker Institute for Public Policy, October, 2025.
- “PhawAI - Code, Culture, and Collaboration: Reflections on Pioneering an AI Workshop for Emerging Computer Scientists in Arequipa, Perú.” Frontiers in Education Conference FIE 2025 [with Nils Murrugarra, Rosa Paccotacya-Yanque, Syeroshi Bhaduri, Lourdes Ramirez Cerna, Jeffri Murrugarra and Cristhian Chavez Ruiz]
- “Building Barriers, Blocking Progress: Critical Minerals and Trade” In: Energy and Resilience: Policy Briefs 2025. Baker Institute for Public Policy, June 13, 2025.
- “Paving the Road for Competitive Green Hydrogen Hubs: Does Chile Have a Chance?" Rice University’s Baker Institute for Public Policy - Center for Energy Studies. 2023. (with Benigna Leiss, Lindley Maxwell and Caroline White-White-Nockleby)

- "Essays on Consumer Inertia," PhD Thesis, Stony Brook University, Department of Economics, August. 2018.
- "The dynamics of Peruvians who do not study or work: who they are, how are they doing and how they have changed," *Apuntes*, Vol. 44 Number 80 Research Center –Universidad del Pacifico, 2017. (with Ramiro Malaga and Jose Tavera)
- "Youth who neither work nor study: The Peruvian case," *Revista Economia*, Vol. 37 Number 74, Department of Economics –Pontificia Universidad Catolica del Peru, 2014. (with Ramiro Malaga and Jose Tavera) [in Spanish].
- "Assessing competition policy on economic development," *Revista Economia*, Vol. 36 Number 71, Department of Economics-Pontificia Universidad Catolica del Peru, 2013.
- "Copyright Collecting Societies: the Peruvian case," *Journal of Competition and the Intellectual Property*, Year 3 Number 5, Spring 2007, INDECOPI, Lima, 2007. (with Jose Tavera) [in Spanish].

Book chapters

- "Governance and climate finance in the developing world." Chapter 7 of "Climate Finance: supporting a sustainable energy transition," *Springer Nature*, 2024. (with ByeongHak Choe)
- "Romania's Product Market Regulation" & "State Ownership and Competitive Neutrality,' Chapters 2 & 3 of *Markets and People: Romania Country Economic Memorandum*, International Development in Focus, Washington, DC: World Bank, 2020.
- "Lessons from the introduction and implementation of competition policy in economies at different stages of development: the case of APEC economies," In: *APEC Economic Policy Report 2008*. Asia Pacific Economic Cooperation –APEC, APEC Economic Committee, Chapter 2, study developed by INDECOPI for the APEC Economic Report 2008. (with Jose Tavera and Fernando Caceres)
- "Study on the competition conditions in financial industry in Peru," In: *Competition conditions in selected industries: Health services industry, Fuel industry and Financial industry*, INDECOPI –Department of Economic Studies. Program on Competition and Consumer Protection Policies for Latin America of the United Nation Conference on Trade and Development (UNCTAD-COMPAL), 1st ed., June 2007, pp.169–249, Lima. (with Jose Tavera, Juan de La Cruz, Melina Caldas and Milton Chamorro) [in Spanish]

Contributions to policy reports of the World Bank Group

- "Competition Policy," Chapter 17 in: *Handbook of Deep Trade Agreements*, Edited by Mattoo, Aaditya; Rocha, Nadia; and Ruta, Michele. Washington, DC: World Bank, 2020.
- "Spotlight #1: Competitive Markets Needed In: *Western Balkans: Reform Momentum Needed*, Regular Economic Report No.15, The World Bank Group, Washington D.C., Spring 2019
- "Fostering competition in the Philippines: the challenge of restrictive regulations," (with Graciela Miralles, Roberto Galang, Sara Nyman, and Leandro Zipitria), The World Bank Group, Washington D.C., 2018.

Working Papers

- "Clean Power Implementation Index: Measuring GCC Countries' Fulfillment of Clean Energy Goals" (with Jim Krane, Chelsea Li, and Faizal Arifurrahman)
- "Widening the gap? Female labor market participation during COVID-19" (with Vania Salas and Noelia Paez), 2022

- “Deep versus Shallow PTAs: Rules Affecting Competition Dynamics–Antitrust, Competitive Neutrality and Pro-Competition Economic Regulation" (With Martinez Licetti, Martha; Miralles Murciego, Graciela; De Aguiar Falco, Guilherme; and Ringeling, Camila), World Bank, Washington, DC., 2020
- “Competition and government intervention in Romania: an assessment with focus on product market regulation and competitive neutrality" (with Georgiana Pop and Georgeta Gavriloiu and Mariana Iotty), World Bank Group, 2019.
- “Competition with endogenous and exogenous switching costs", 2017.
- “The effect of switching costs on prices: an application to the Peruvian Mobile Phone Market," NET Institute Working Paper No. 17-12, 2017.
- “Milking the milkers: a study on buyer power in the dairy market of Peru" (with Jose Tavera), 2016.

Work In Progress

- “Price dispersion and competition in retail electricity markets" (with JoonHa Kim and Seoyoon Kim)
- “Co-developing mining activities with Indigenous communities: a perspective from selected practices” (with Benigna Leiss and Dyllan Lozano)
- “Prudence value in the college context: an experimental economics approach” (with Martin Paredes, German Vega, Miguel Martinez and Ana Jara)
- “Information disclosure under platform competition," (with Martin Paredes)
- “Opportunities and challenges: the digital economy and implications for competition policy"

Professional Training

- American University: Center for Teaching, Research, and Learning: Online Instructor Course - Fall 2018
- Stony Brook University - The Faculty Center, Teaching Learning & Technology (TLT): Online Teaching Training - Spring 2016
- Fordham Competition Law Institute (FCLI) –Course for Agency Economists –Summer Program NY, 2009.
- Telecommunications Regulatory Agency of Peru (OSIPTEL): Specialization Course in Economic Regulation of Telecommunication Sector, Lima, Peru, 2006.

Seminars and Conferences

- First Meeting of Intercultural and Indigenous Universities of Latin America and the Caribbean, Dec. 2025
- 9th Latin American Energy Economics Meeting, August 2024 - –Rio de Janeiro, Brazil
- Second Regional workshop on applications and research in Data Science - [TaReCDa 2023 –Machala, Ecuador
- VIII World Forum on Energy Regulation 2023 –Lima, Peru
- Latin American Meeting of the Econometric Society, LACEA-LAMES 2022 Annual Meeting –Lima, Peru
- Webinar –Universidad del Sinú, Colombia, Oct. 2020
- Webinar –Universidad Diego Portales, Chile, Apr. 2020
- 2019 ASSA Annual Meeting –Atlanta (*Poster Session*), Jan. 2019
- Economics Seminar –Tallinn University of Technology, Tallinn, Estonia, Oct. 2018
- 2018 Annual Congress of the Peruvian Economic Association –Piura, Peru, Aug. 2018
- Federal Communications Commission - Economic Seminars –Washington D.C., May 2018

- 16th Annual International Industrial Organization Conference –Indianapolis, Apr. 2018
- 2018 ASSA Annual Meeting –Philadelphia (*Poster Session*), Jan. 2018
- 5th Summer School of Econometric Society *"Frontiers of Economic Theory"* (*students' presentations session*) –Hanyang University , Seoul, South Korea, Aug. 2017
- 28th International Conference on Game Theory –SBU, Stony Brook, New York, Jul. 2017
- 15th Annual International Industrial Organization Conference, (*Rising Stars session*)–Boston, Apr. 2017
- 27th International Conference on Game Theory –SBU, Stony Brook, New York, Jul. 2016
- Microeconomics Workshop (Brown Bag series) –UW, Seattle, Nov. 2015 and Jun. 2016
- *5to Conversatorio Mensual* INDECOPI –Lima, Peru, Jan. 2014

Fellowships, Scholarships, and Awards

- "Fostering Indigeneous-driven sciences in the Peruvian Amazon," U.S. Department of State Federal Assistance Award, U.S. Embassy to Peru's Grant 2024. Amount USD 44,000. [Returned]
- Regional Workshop on Applications and Research in Data Science (ReWARDS, TaReCDa in Spanish), Google Research exploreCSR grant and TensorFlow grant 2022 (as PI, total amount USD 25,000), as co-PI in 2023/2024 (total amount USD 42,000) and in 2024/2025 (total amount USD 75,000).
- The William Dawes Outstanding Teaching Award by a Graduate instructor, 2018.
- NET Institute - Summer Research Grant, 2017. Amount USD 3,000.
- Econometric Society - Travel Grant, 2017.
- Summer Online Teaching Initiative Grant - SBU Office of the Provost, 2016.
- International Labor Organization (ILO) - Research Grant, 2014. Amount PEN 42,000.
- Stony Brook University Graduate Fellowship, 2012–2018.
- Fulbright Fellowship, 2010–2012.
- BARSA Fellowship (De Sa Inter-American Foundation), 2010–2012.
- Chevening Scholarship, 2010 (*not claimed*).
- Korea International Cooperation Agency (KOICA) Fellowship, 2003–2005.
- Electroperu S.A. Scholarship, 2000–2003.

Professional Service

- Program "Fostering Indigenous-driven sciences in the Peruvian Amazon" 2024/2025 - in collaboration with the Universidad Nacional Intercultural de la Amazonía UNIA - Organizer
- EAAMO-REDNACECYT Indigenous Female Summer of Science Program (2022-onwards) – Co-organizer
- PhawAI - Peruvian Workshop to promote AI Research - PhawAI 2024/2025, PhawAI+TaReCDa 2025 - Co-Organizer
- Regional workshop about applications and research in Data Science - ReWARDS 2022 [TaReCDa 2022, 2023 in Spanish] - Co-Organizer
- Peruvian Economic Association APE (APE 2022 conference) - Scientific committee member
- Equity and Access in Algorithms, Mechanisms, and Optimization EAAMO (ACM conference) - Program committee member since 2021.
- EAAMO Bridges Latin America and Caribbean (before MD4SG-LAC) - Working group co-organizer
- EAAMO Bridges - Environment and Climate working group member (before MD4SG-Environment)

- Referee for Journal of Industry, Competition and Trade, *Apuntes* (UP, Peru), *Revista Economia* (PUCP, Peru), *Revista Opinion Juridica* (Universidad de Medellin, Colombia)

Additional skills and activities

- Computer Skills: Python (including MLOps and LLMOps), R, Hugging Face, Stata, Maple, Matlab, Wolfram (Mathematica) LaTeX, HTML.
- Languages: Spanish (Native), English (Fluent), Portuguese (Intermediate).

References

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