

Cesar Ortiz Moya, ABD, PIDP

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ORCID: 0009-0004-9456-0128 • Citizenship: Canadian, Spanish (EU)

Education

- PhD in Economics (Expected Completion: December 2025) – University of Malaga, Spain
Thesis Title: *The Economics of Space Debris: Mitigation Policies, Abatement Costs and Economic Impact*
- Post-Graduate Studies in Economics (2015–2016) – University of Guelph, Canada
- Master's Degree in Economics (2000–2002) – Universidad de Zaragoza, Spain
- Bachelor's Degree in Economics (1995–2000) – Universidad Católica Andrés Bello, Venezuela

Research Interests

- Environmental and Resource Economics: Sustainability, orbital debris mitigation, and the economic impact of space infrastructure.
- Macroeconomics and Economic Growth: Capital complementarity, technological change, and the role of innovative sectors in growth.
- Applied Econometrics and Policy Modelling: Quantitative modelling, integrated assessment models, policy evaluation, and data-driven economic analysis.

Research Profile

Publications

- Bongers, A., Ortiz, C. & Torres, J. (2025). DISE: A Dynamic Integrated Space-Economy Model for Orbital Debris Mitigation Policy Evaluation. *Environmental and Resource Economics*. <https://doi.org/10.1007/s10640-025-01003-y>

Working Papers

- Bongers, A., Ortiz, C. & Torres, J. (2025). Orbital Pollution and Optimal Active Debris Removal Policies under Technological and ASAT Shocks. Universidad de Malaga, Spain.
- Bongers, A., & Ortiz, C. (2025). Complementarity in Orbit: The Macroeconomic Role of Space Infrastructure. Universidad de Malaga, Spain.

Research Funding and Grants

- TRU Gaglardi Decanal Grant for Research (2024–2025)
- University of Malaga / Banco Santander Mobility Research Fund (2024–2025)
- TRU Gaglardi Decanal Grant for Innovative Teaching (2023–2024, 2024–2025)

- University of Guelph Graduate Studies Scholarship (2015–2016)
- Universidad de Zaragoza Scholarship for Master’s Studies (2000–2002)

Recent Conference Presentations

- Ortiz, C. (2025). DISE: A Dynamic Integrated Space-Economy Model for Orbital Debris Mitigation Policy Evaluation. Canadian Economics Association Conference, Montreal (UQAM).
- Ortiz, C. (2025). Orbital Pollution and Optimal Active Debris Removal Policies. 14th Annual Front Range Energy and Environmental Economics Camp, University of Colorado Boulder.
- Ortiz, C. (2025). Enhancing Economics Education through Business Simulation Games. Gagliardi Teaching Seminar, Thompson Rivers University.

Book and Journal Reviews

- PLOS One Journal (3 articles)
- Macroeconomics and Microeconomics textbooks by Stevenson/Wolfers (Macmillan, 2022–2024)
- Macroeconomics by Mankiw/Kneebone/McKenzie (Cengage, 2024)
- Microeconomics by Sayre/Morris (McGraw-Hill, 2025)
- Negociación e Inversión, Magda Cejas et al., Cide, Ecuador (2020)

Professional Experience

- **Economics Instructor** (2017 – July 2025) – Thompson Rivers University, Canada. Taught Microeconomics, Macroeconomics, Managerial Economics, and Quantitative Methods. Visiting Teaching Faculty at Shanghai Institute of Technology (May–June 2024). Member of TRU Academic Integrity Committee (2023–2024).
- **Economics Instructor (Part-Time/Remote)** (2021–2023) – Selkirk College, Canada. Taught Microeconomics and Macroeconomics. Course Developer: 'Tourism and the Canadian Economy'.
- **Term Instructor** (2019–2020) – NVIT, Canada. Taught Macroeconomics and Principles of Marketing.
- **Associate Faculty Member** (2017–2019) – Yorkville University, Canada. Taught Principles of Microeconomics (online on campus) and Macroeconomics (on campus).
- **Learning and Development Specialist** (2016–2017) – Island Health, Canada. Provided strategic support for learning technology planning and implementation.
- **Teaching Assistant in Economics** (2015–2016) – University of Guelph, Canada. Taught Macroeconomics, Strategic Management, and Equity Markets.
- **Faculty Member** (2011–2014) – United Arab Emirates University. Taught Microeconomics and Macroeconomics. Supervised internship programs.
- **Sessional Instructor** (2008–2010) – Vancouver Island University, Canada. Taught Microeconomics, Statistics, Sports Economics, Regional Economic Analysis and Tourism Economics.

- **Business Analyst/Economist** (2006–2007) – Petróleos de Venezuela. Conducted strategic business analysis and forecasting using econometric tools.
- **Lecturer** (2003–2005) – Universidad de Castilla La Mancha, Spain. Taught Business and Economics Statistics, Quality Control, and Data Analysis.
- **Research Assistant** (2000–2002) – Universidad de Zaragoza, Spain. Worked on game theory and input-output regional analysis projects.
- **Data Analysis Assistant** (1999) – Whiteman & Co., Trinidad & Tobago.

Innovative Teaching Practices

- Integrated business simulation games and virtual reality into teaching (TRU).
- Developed and delivered hybrid and online economics courses.

Service & Leadership

- Executive Board Member, TRU Faculty Association (TRUFA), 2023–Present. Representative for contract faculty, contributing to academic labour policies and collective agreement reviews.

Visiting Research Fellowship

- University of Colorado Boulder (April – June 2025). Visiting Research Scholar in Space Economics. Collaborated with Professor Daniel Kaffine.

Academic & Professional Affiliations

- Member of the Canadian Economic Association
- Member of the American Economic Association
- Member of IMFAHE Talent Network (Mentored by Dr. Daniel Dinis, ESA)

Technical Skills

MS Office, SPSS, EViews, Tableau, Python, MATLAB, LaTeX, SharePoint, Moodle, Blackboard Learn, D2L, Adobe Captivate, Zoom, WebEx

Languages

Spanish (Native), English (Fluent)

Additional Certifications and Training

- British Columbia Provincial Instructor Diploma Program (2023–2025) – VCC, Vancouver, Canada

- Blockchain Project Management Certification (2022) – UCW, Vancouver, Canada
- Certified Digital Marketing Professional (2023) – Canada
- AMA Professional Certified Marketer (PCM) in Digital Marketing (2023) – Canada
- Teaching with Simulation Games – AACSB (2021)
- GenAI in Teaching and Learning Toolkit – BC campus (2025)