

- CONTACT** Department of Economics
University of California, Davis
1 Shields Avenue
Davis, CA 95616
E-mail: acarvajal@ucdavis.edu
- TRAINING** Postdoctoral Fellowship in Mathematical Economics, Cowles Foundation, Yale University, 2005.
Ph.D. in Economics, Brown University, 2003.
M.Sc. in Economics, Brown University, 2000.
M.A. in Economics, Universidad de los Andes, Colombia, 1996.
B.A. in Economics, Pontificia Universidad Javeriana, Colombia, 1995.
- CAREER** Professor, University of California, Davis, 2021 – present.
Adjunct Professor, EPGE—Fundação Getulio Vargas, 2018 – present.
Associate Professor, University of California, Davis, 2015 – 2021.
Adjunct Associate Professor, University of Western Ontario, 2015 – 2017.
Associate Professor, EPGE—Fundação Getulio Vargas, 2015.
Associate Professor, University of Western Ontario, 2012 – 2015.
Visiting Fellow, CORE, Université Catholique de Louvain, 2010 – 2011.
Director, Center for Research in Economic Theory and Applications, University of Warwick, 2008 – 2012.
Associate Professor, University of Warwick, 2008 – 2012.
Assistant Professor, University of Warwick, 2006 – 2008.
Lecturer, Royal Holloway College, University of London, 2005 – 2006.
Senior Researcher, Banco de la República, Colombia, 2002 – 2004.
Financial System Chief Supervisor, Banco de la República, 1996 – 1998.
Junior Economist, Banco de la República, 1996.
- RESEARCH** Insurance contracts and financial markets: *Mathematical Social Sciences* 121, 8-19, 2023 (with J. Thereze).
Implementing Lindahl allocations in a warm-glow economy: *Economics Letters* 217, 110630, 2022 (with X. Song).
A simple(r) Lindahl solution to the provision of public goods with warm-glow: *Economics Letters* 211, 110231, 2022 (with X. Song).

Arbitrage pricing in non-Walrasian financial markets: *Economic Theory* 66, 951-78, 2018.

Information design and capital formation: *Journal of Economic Theory* 176, 255-92, 2018 (with M. Rostek and G. Sublet).

Testing Pareto efficiency and competitive equilibrium in economies with public goods: *Journal of Mathematical Economics* 75, 19-30, 2018 (with X. Song).

Risk externalities: when financial imperfections are not the problem, but part of the solution: *Journal of Mathematical Economics* 77, 87-100, 2018 (with M. Arvaniti).

Non-parametric analysis of multi-product oligopolies: *Economic Theory* 57, 253-77, 2014 (with R. Deb, J. Fenske and J. Quah).

On refutability of the Nash bargaining solution: *Journal of Mathematical Economics* 50, 177-186, 2014 (with N. González).

Revealed preference tests of the Cournot model: *Econometrica* 81, 2351-79, 2013 (with R. Deb, J. Fenske and J. Quah).

Competition in financial innovation: *Econometrica* 80, 1895-936, 2012 (with M. Rostek and M. Weretka).

No-arbitrage, state prices and trade in thin financial markets: *Economic Theory* 50, 223-68, 2012 (with M. Weretka).

Idiosyncratic risk and financial policy: *Journal of Economic Theory* 146, 1569-97, 2011 (with H. Polemarchakis).

The testable implications of competitive equilibrium in economies with externalities: *Economic Theory* 45, 349-78, 2010.

Statistical calibration: a simplification of Foster's proof: *Mathematical Social Sciences* 58, 272-7, 2009.

On the existence of equilibrium with incomplete markets: *Brazilian Review of Econometrics* 28, 239-47, 2008 (with J. Geanakoplos and A. Riascos).

Identification of Pareto-improving policies: information as the real invisible hand: *Journal of Mathematical Economics* 44, 167-79, 2008 (with H. Polemarchakis).

Identification of individual demands from market data under uncertainty: *The B.E. Journal of Theoretical Economics (Topics)* 8, art 9, 2008 (with A. Riascos).

Individually-rational collective choice: *Theory and Decision* 62, 355-74, 2007.

Identification of preferences from market data: *Advances in Theoretical Economics* 5, art. 3, 2005 (with A. Riascos).

Testable restrictions on the equilibrium manifold under random utility: *Journal of Mathematical Economics* 40, 121-43, 2004.

SURVEYS

"The economics of epidemics and contagious diseases," in *Journal of Mathematical Economics* 93, 102498, 2021, (with R. Boucekkine, S. Chakraborty and

A. Goenka).

“Equilibrium behavior in markets and games: testing and identification,” in *Journal of Mathematical Economics* 40, 1-40, 2004 (with I. Ray and S. Snyder).

“Preferences,” in W. Darity (Ed.) *IESS Encyclopedia*, 435-7, 2008.

“Manifolds,” in W. Darity (Ed.) *IESS Encyclopedia*, 585-6, 2008.

“Demand,” in W. Darity (Ed.) *IESS Encyclopedia*, 268-71, 2008.

BOOKS

“Mathématiques pour l'économie,” Pearson, 2022 (in French, with P. Hammond, K. Sydsæter and A. Strøm).

“Essential mathematics for economic analysis,” Pearson Education, 2021 and 2016 (with P. Hammond, K. Sydsæter and A. Strøm).

“Metodi matematici per l'economia,” Pearson, 2021 (in Italian, with P. Hammond, K. Sydsæter, A. Strøm and D. La Torre).

“Mathematik für Wirtschaftswissenschaftler,” Pearson Studium, 2018 (in German, with P. Hammond, K. Sydsæter and A. Strøm).

“Matemáticas para economía,” Pearson Education, 2012 (in Spanish, with P. Hammond and K. Sydsæter).

SERVICE

Editor-in-Chief, *Journal of Mathematical Economics*, 2020–

North-American Standing Committee, The Econometric Society, 2016 – 2019.

Co-chair, North-American Summer Meetings, The Econometric Society, 2018.

Co-editor (Economic Theory), *Canadian Journal of Economics*, 2015 – 2017.

Co-organizer, Canadian Economic Theory Conference (Western, 2015).

Associate Editor, *Journal of Mathematical Economics*, 2012 – 2015.

ESRC Research Seminars Competition Panel, 2011 – 2012.

Co-organizer, ESRC Games and Economic Behavior Group (LSE–UCL–Warwick), 2010 – 2012.

ESRC Review College, 2011 – 2013.

Scientific Committee, XXXVI Simposio de la Asociación Española de Economía, SAEe, 2011 and 2012.

Scientific Committee, XVI, XX and XXI European Workshop on General Equilibrium (Warwick, 2007; Vigo, 2011; Exeter, 2012).

Scientific Committee, Dauphine Workshop on Economic Theory (Paris, 2010).

Session organizer, SAET Conference on Current Trends in Economics, 2007, 2009, 2011 and 2016.

Scientific Committee, Latin American Meeting of the Econometric Society, 2007, 2008 and 2016.

Guest Editor, *Journal of Mathematical Economics*, Proceedings of the General Equilibrium Conferences of 2007.

Editor, *Ensayos Sobre Política Económica*, 2003 – 2004.

Referee for *AEJ: Microeconomics*, *American Economic Review*, *BEPress Journals on Theoretical Economics*, *Econometrica*, *Economic Theory*, *Economics Letters*, *Games and Economic Behavior*, *International Economic Review*, *Journal of Economic Theory*, *Journal of Economic Dynamics and Control*, *Journal of Mathematical Economics*, *AMS Mathematical Reviews*, *Mathematical Social Sciences*, *Quantitative Economics Review of Economics and Statistics*, *Review of Economic Studies*, *Theoretical Economics* and *Theory and Decision*.

DISTINCTIONS The Black Box Committee Award for “Colorful” Contributions to The Department. Given by current and former students, Department of Economics, University of California Davis, 2022.

Steven M. Sheffrin Award for Contributions to Graduate Education, Department of Economics, University of California Davis, 2019.

Member, GRES São Clemente, ranked 8th in the Special Category, Samba Parades of the 2015 Carnival of Rio de Janeiro.

Graduate Professor of the Year, Department of Economics, University of Western Ontario, 2014.

Abramson Award for Exceptional Dissertation, Brown University, 2002.

Volunteer of the Year, The Nature Conservancy, Rhode Island Field, 1999.

Letter of Congratulation, Universidad de los Andes, for “having obtained the highest GPA during the last 20 years in the Master’s program in economics,” 1996.

Honorary Mention, Universidad Javeriana, “for obtaining the highest GPA during the history of the undergraduate program in economics,” 1995.