

FELIX MUÑOZ-GARCIA

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School of Economic Sciences
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U.S. Citizenship

EDUCATION

Ph.D. in Economics. University of Pittsburgh, PA. August 2008.

M.Sc. in Economics (with Honors). University of Barcelona, Spain. June 2002.

B.A. in Economics. University of Barcelona, Spain. June 2000.

RESEARCH INTERESTS

Primary: Industrial Organization and Game Theory.

Secondary: Public and Behavioral Economics.

EXPERIENCE

- Graduate Studies Chair - School of Economic Sciences, Washington State University, 2015-2016.
- Associate Director - School of Economic Sciences, Washington State University, 2015-2016.
- Associate Professor - School of Economic Sciences, Washington State University, 2014-present.
- Assistant Professor - School of Economic Sciences, Washington State University, 2008-2014.
- Instructor. University of Pittsburgh, Department of Economics. 2006-2007.
- Teaching Assistant. Katz Graduate School of Business, University of Pittsburgh. 2006-2007.
- Teaching Assistant. Department of Economics. University of Pittsburgh. 2004-2006.
- Research Fellow. University of Barcelona, and Barcelona Institute of Economics, 2001-2003.

PUBLICATIONS

1. "Firm Preferences for Environmental Policy: Industry Uniform or Firm Specific?" with Sherzod Akhundjanov. Forthcoming in *Strategic Behavior and the Environment*.
2. "Can Polluting Firms Favor Regulation?," with Sherzod Akhundjanov. Forthcoming in *The B.E. Journal of Economic Analysis and Policy*.
3. "Profit-Enhancing Environmental Policy: *Uninformed Regulation in an Entry-Deterrence Model*," with Ana Espinola-Arredondo. *Journal of Regulatory Economics*, 2016, 50(2), pp. 146-163.
4. "An Excessive Development of Green Products?," with Ana Espinola-Arredondo. *Economics of Governance*, 2016, 17(2), pp. 101-129.
5. "Can Poorly Informed Regulators Hinder Competition?" with Ana Espinola-Arredondo. *Environmental and Resource Economics*, 2015, 61(3), pp. 433-461.
6. "Why do Firms Oppose Entry-Detering Policies? Environmental Regulation and Entry Deterrence" with Ana Espinola-Arredondo. *Environment and Development Economics*, 2015, 20(2), pp. 141-160.
7. "Cooperation and Signaling with Uncertain Social Preferences," with John Duffy. *Theory and Decision*, 2015, 78(1), pp. 45-75.
8. "The Signaling Role of Subsidies," with Ana Espinola-Arredondo. *The B.E. Journal of Economic Analysis and Policy*, 2015, 15(1), pp. 157-178.

9. "The Entry-Deterring Effects of Inflexible Regulation," with Ana Espinola-Arredondo and Jude Bayham. *Canadian Journal of Economics*, 2014, 47(1), pp. 298-324.
10. "Asymmetric Information may Protect the Commons: The Welfare Benefits of Uninformed Regulators," with Ana Espinola-Arredondo. *Economics Letters*, 2013, 121 (3), pp. 463-67.
11. "Capacity Constrained Firms and Expansion Subsidies: Should Governments Avoid Generous Subsidies?," with Gulia Zaynutdinova. *Journal of Industry, Competition and Trade*, 2013, 13(4), pp. 563-97.
12. "Don't Forget to Protect Abundant Resources," with Ana Espinola-Arredondo. *Strategic Behavior and the Environment*, 2013, 3(4), pp. 251-278.
13. "When does Environmental Regulation Facilitate Entry-Deterring Practices?," with Ana Espinola-Arredondo. *Journal of Environmental Economics and Management*. 2013, 65(1), pp. 133-152.
14. "Uncovering Entry Deterrence in the Presence of Learning-by-Doing," with Ana Espinola-Arredondo. *Journal of Industry, Competition and Trade*, 2013, 13(3), pp. 319-338.
15. "When do Firms Support Environmental Agreements?" with Ana Espinola-Arredondo. *Journal of Regulatory Economics*, 2012, 41(3), pp. 380-401.
16. "Patience or Fairness? Analyzing Social Preferences in Repeated Games," with John Duffy. *Games*, 2012, 3, pp. 56-77.
17. "When Should a Firm Expand its Business? The Signaling Implications of Business Expansions" with Esther Gal-Or and Ana Espinola-Arredondo. *International Journal of Industrial Organization*, 2011, 29, pp. 729-45.
18. "Can Incomplete Information Lead to Underexploitation in the Commons?" with Ana Espinola-Arredondo. *Journal of Environmental Economics and Management*, 2011, 62, pp. 402-13.
19. "Risk Aversion in Auctions with Asymmetrically Informed Bidders: a 'Desensitizer' from Uncertainty," with Sandra Orozco-Aleman. *Economics Letters*, 2011, pp. 38-41.
20. "Competition for Status Acquisition in Public Good Games." *Oxford Economic Papers*, March, 2011, pp. 1-19.
21. "Free-riding in International Environmental Agreements: A Signaling Approach to Non-Enforceable Treaties," with Ana Espinola-Arredondo. *Journal of Theoretical Politics*, 2011, 23(1), pp. 111-34.

OTHER PEER-REVIEWED PUBLICATIONS

22. "Firm Preferences for Environmental Policy," with Sherzod Akhundjanov *Review of Environment, Energy and Economics*, November 2014.
23. "A Systematic Presentation of Equilibrium Bidding Strategies to Undergraduate Students". *Journal of Economics and Economic Education Research*, 2014, 15(2), pp. 109-120.
24. "The Entry-Deterring Effects of Environmental Policy," with Ana Espinola-Arredondo. *Review of Environment, Energy and Economics*, January 2013.
25. "A Systematic Procedure for Finding Perfect Bayesian Equilibria in Incomplete Information Games," *The B.E. Journal of Industrial Organization Education*, vol. 6(1), article 8, 2012.
26. "The Intuitive and Divinity Criterion: Interpretation and Step-by-Step examples," with Ana Espinola-Arredondo. *The B.E. Journal of Industrial Organization Education*, vol. 5(1), article 7, 2010.
27. "Last-Chance Sales: What Makes them Credible?" with Heriberto Gonzalez. *Ensayos Revista de Economía*, vol. 28(1), 2009.

BOOKS

1. *Strategy and Game Theory - Practice Exercises with Answers*, Felix Munoz-Garcia and Daniel Toro, Springer-Verlag, August 2016.
2. *Game Theory Applications to Environmental Economics*, Ana Espinola-Arredondo and Felix Munoz-Garcia (editors), World Scientific Publishers. Forthcoming, December 2016.
3. *Advanced Microeconomic Theory: An Intuitive Approach with Examples*, Felix Munoz-Garcia, The MIT Press, Forthcoming, April 2017.

4. *Workbook to accompany "Advanced Microeconomic Theory: An Intuitive Approach with Examples,"* Felix Munoz-Garcia, The MIT Press, Forthcoming, April 2017.
5. *Solutions Manual to accompany "Advanced Microeconomic Theory: An Intuitive Approach with Examples,"* Felix Munoz-Garcia, The MIT Press, Forthcoming, April 2017.

BOOK CHAPTERS

- "Environmental Negotiations under Uncertainty," with Ana Espinola-Arredondo. *Analyzing Global Environmental Issues: Theoretical and Experimental Applications and their Policy Implications*, Ariel Dinar and Amnon Rapoport, eds. Routledge Publishers, February 2013.
- "The Role of Information in the Tragedy of the Commons," with Ana Espinola-Arredondo. *Analyzing Global Environmental Issues: Theoretical and Experimental Applications and their Policy Implications*, Ariel Dinar and Amnon Rapoport, eds. Routledge Publishers, February 2013.

MANUSCRIPTS UNDER REVIEW

- "Strategic Emission Fees: Entry Deterrence and Green Technology" with Ana Espinola-Arredondo and Boying Liu.
- "Conservation Procurement Auctions with Bidirectional Externalities," with Pak-Sing Choi and Ana Espinola-Arredondo.
- "Explaining Hypothetical Bias Variations using Income Elasticity of Demand" with Tongzhe Li.
- "Information Transmission during the Trial: The Role of Punitive Damages and Legal Costs" with Ana Espinola-Arredondo and Pitchayaporn Tantihkarnchana.
- "Unilateral and Bilateral Signaling in International Negotiations," with Ana Espinola-Arredondo.

WORKING PAPERS

- "International Coordination of Environmental Policies: Is it Always Worth the Effort?" with Ana Espinola-Arredondo and Jude Bayham.
- "Regulation, Free-Riding Incentives, and R&D investment with Spillover" with John Strandholm and Ana Espinola-Arredondo.
- "Nonlinear Pricing with Costly Information Acquisition," with Brett Devine.
- "Endogenous Cartel Formation with Free Market Entry and Firm Heterogeneity" with Xin Zhao and Steven Devadoss.
- "The Effect of Partisan Money on Candidate Policy Convergence," with Eric Dunaway.
- "Can Banning Spatial Price Discrimination Improve Social Welfare?" with Ziyang Yang.
- "Rationalizing Time Inconsistent Behavior: The Case of Late Payments," with Kiriti Kanjilal.

AWARDS AND FELLOWSHIPS

- Research Fellowship, Junta de Andalucía, Spain. 2009.
- Prize in Economic Research for the paper "Last-Chance Sales: What Makes them Credible?," with Heriberto Gonzalez. *Ensayos Revista de Economía* and Universidad Autónoma de Nuevo León, México, 2009.
- Reuben E. Schlesinger Best 2nd year paper Award. University of Pittsburgh. Department of Economics, 2006.
- Research Fellowship. University of Pittsburgh, 2006-2008.
- Excellence in Teaching Award. University of Pittsburgh/Theta-Phi-Alpha Sorority. Intermediate Microeconomics. 2006.

TEACHING PROGRAM

INSTRUCTOR. *Washington State University, Pullman, WA.*

- Advanced Microeconomic Theory - I (Ph.D. program) 2008-2013, 2016-present.
- Advanced Microeconomic Theory - II (Ph.D. program) 2014-present.
- Intermediate Microeconomics with Calculus. 2010-present.
- Strategy and Game Theory (Masters and undergraduate students). 2009-present.
- Introduction to Microeconomics. Fall 2009.

INSTRUCTOR. *University of Pittsburgh, Pittsburgh, PA.*

- Game Theory. Summer 2007 and Summer 2006.
- Intermediate Microeconomics. Spring 2006.

PROFESSIONAL SERVICE

School of Economic Sciences, Washington State University:

- Associate Director, 2015-present.
- Chair, Graduate Studies Committee, 2015-present.
- Chair, MS in Applied Economics Development Committee, 2014-present.
- Member, Undergraduate Studies Awards Committee, 2012-present.
- Member, Faculty Job Search Committee, 2012-2014.
- Member, Graduate Student Placement Seminar. 2008-present.
- Member, Ph.D. Qualifying Examinations Committee. 2008-present.
- Member, Director Advisory Committee, 2011-2012.
- Economics Club Advisor. 2009-2014.

Referee Service:

European Economic Review, Journal of Economics and Management Strategy, Journal of Economic Behavior and Organization, Mathematics of Operations Research, Economic Inquiry, Journal of Environmental Economics and Management, International Game Theory Review, B.E. Journal of Theoretical Economics, Environmental and Resource Economics, Environment and Development Economics, Resource and Energy Economics, Journal of Agricultural and Resource Economics, Environmental Modeling and Assessment, Oxford Economic Papers, PLoS One, Ecological Economics, Journal of Public Economic Theory, Journal of Institutional and Theoretical Economics, Defense and Peace Economics, and Ensayos Revista de Economia (also member of its editorial board).

Book Reviews:

- *Microeconomic Theory.* Andreu Mas-Colell, Michael D. Whinston and Jerry R. Green, 2nd edition. Oxford University Press;
- *Games, Strategies, and Decision Making.* Joseph E. Harrington. 2nd edition. Worth Publishers;
- *Microeconomics,* Jeffrey Perloff, 7th edition, Addison Wesley-Pearson;
- *Microeconomics,* Austan Goolsbee, Steven Levitt and Chad Syverson, 1st edition, Worth Publishers; and
- Intermediate Microeconomics course (Econ201, online course) for the Saylor Foundation.

Students Advised:

- Ph.D. Students:
 - *Ph.D. Chair:* Eric Dunaway (expected May 2017), Ziyang Yang (expected May 2017), and Kiriti Kanjilal (expected May 2018);
 - *Ph.D. Co-Chair:* Sherzod Akhundjanov (Utah State University) and Brett Devine (expected May 2018);

- *Ph.D. Committee*: Casey Bolt (expected May 2018), Pak-Sing Choi (expected May 2018), John Strandholm (expected May 2017), Aerin Jung (expected May 2017), Austin Miller (expected May 2017), Jude Bayham (Post-Doc at Yale University), Bing Han (Post-Doc at WSU), Tongzhe Li (University of Delaware), Lyliana Gayoso (Senior Economist at the Ministry of Economic Planning-Paraguay), Yongwon Cho (Korea Institute for Industrial Economics and Trade), and Georgina Mitchell (Economist, Coeur d'Alene Tribe).
- M.Sc. Students:
 - *M.Sc. Chair*: Michael Gillman, Gulnara Zaynutdinova (University of West Virginia) and Andrew Erickson,
 - *M.Sc. Committee*: Kevin Graham and Trang Tran.
- Undergraduate Students: Nicholas Colby (as Chair, Honors program), now at Country Financial.

PRESENTATIONS

- 13th International Industrial Organization Conference, Boston, MA, April 24-26, 2015.
- 5th Workshop on Game Theory in Energy, Resources and Environment. HEC Montréal, Canada. May 26-27, 2014.
- Western Economic Association, 88th Annual Conference, Seattle, June-July 2013.
- ASSA Annual Meeting, San Diego. January, 2013.
- 4th Workshop on Game Theory in Energy, Resources and Environment. HEC Montréal, Canada. November 29-30, 2012.
- Washington State University, School of Economic Sciences seminars, 2009-2012.
- 10th International Industrial Organization Conference, George Mason University, Arlington, VA, March 16-18, 2012.
- 5th Conference on the Political Economy of International Organizations, Villanova University, June, 26-28, 2012.
- 8th Game Theory Practice Meeting at University of California, Riverside, July, 2011.
- 86th Annual Conference of the Western Economic Association International, San Diego, June 29-July 3, 2011.
- Universidad de Concepción, Chile, Department of Economics seminar, May 2011.
- 9th International Industrial Organization Conference, Boston, April 7-9, 2011.
- Summer Meeting of the Association of Environmental and Resource Economists (AERE), Seattle, June 9-10, 2011.
- Universidad Católica de Chile, Department of Economics seminar, Chile, May 2011.
- World Congress of Environmental and Resource Economists. Montréal, Canada. June 28th-July 2nd, 2010.
- ASSA Annual Meeting, Denver. January 8, 2011.
- Third Workshop on Game Theory in Energy, Resources and Environment. HEC Montréal, Canada. December 10-11, 2009.
- 17th Annual Conference of the European Association of Environmental and Resource Economics (EAERE), Amsterdam, The Netherlands, June 24-27, 2009.
- Universidad de Chile, Centro de Economía Aplicada (CEA). School of Industrial Engineering, Santiago, Chile, December 2008.
- Second Workshop on Game Theory in Energy, Resources and the Environment. HEC Montréal, Canada. November 20-21st, 2008.
- SING5 Conference on Game Theory and Applications, Amsterdam, The Netherlands, July 1-3, 2009.
- 8th International Industrial Organization Conference, Boston, April 3-5, 2009.
- Invited seminars at: Penn-State University, Washington State University, University of Pittsburgh, University of Alicante, University of Navarra, University of Granada, University of the Basque Country, IESE Business School, and University of the Balearic Islands, 2007.
- Meeting of the Spanish Economic Association, Granada, Spain. December 2007.
- SING3 Conference on Game Theory and Applications, Madrid, Spain, July 2007.

- Economic Science Association World Meeting, Rome, Italy, June 2007.
- Midwest Economics Association. 71st Annual Meeting, Minnesota. March, 2007.
- University of Barcelona-Barcelona Institute of Economics, Department seminar, July 2007.
- 17th Stony Brook Conference on Game Theory. New York, July 2006.

PROFESSIONAL MEMBERSHIP

- American Economic Association, Industrial Organization Society, European Economic Association, Southern Economic Association, and Association of Environmental and Resource Economists.