

CURRICULUM VITAE

ROBERTO SERRANO

Harrison S. Kravis University Professor of Economics
Brown University

I. Personal data

Place and year of birth: Madrid, 1964.

Citizenship: Spain and United States of America.

II. Contact information

Mailing address: Department of Economics, Box B, Brown University,
Providence, RI 02912, U.S.A.

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III. Education

Ph.D. in Economics, Harvard University, June 1992.

Ph.D. dissertation title: *Essays on Consistency and Implementation*.

Advisors: Andreu Mas-Colell, Eric Maskin and Jerry Green.

A.M. in Economics, Harvard University, June 1990.

Licenciado (B.A.) in Economics, Universidad Complutense de Madrid, Spain, June 1987.

IV. Professional appointments

Brown University, Providence, Rhode Island, 1992 - present:

-Harrison S. Kravis University Professor of Economics, July 2007 - present.

-Economics Department Chair, July 2010 - June 2014.

-Interim Director, Rhodes Center for International Economics and Finance, and Faculty Associate, Watson Institute for International Studies, July 2012 - June 2013.

- Professor of Economics, January 1997 - June 2007.
- Associate Professor of Economics, July 1995 - December 1996.
- Assistant Professor of Economics, September 1992 - June 1995.

Harvard University, Cambridge, Massachusetts:

- Visiting Professor of Economics, 2017-2018.

Elsevier Science Publishing, Amsterdam, the Netherlands:

- Editor, *Economics Letters*, September 2011 - December 2017.

Instituto Madrileño de Estudios Avanzados (IMDEA), Madrid, Spain:

- Research Associate, May 2007-March 2012.

Centro de Estudios Monetarios y Financieros (CEMFI), Madrid, Spain:

- Visiting Scholar, Summer 2009, Summer 2008, Summer 2007, Fall 2005.

Law and Economics Consulting Group, Boston, Massachusetts:

- Consulting Affiliate, June 2006 and 2000-2001.

Universidad Carlos III de Madrid, Spain:

- Visiting Professor of Economics, Fall 2005.

Interamerican Development Bank, Washington, D.C.:

- Consulting Affiliate, May 2003 - August 2003.

Institute for Advanced Study, Princeton, New Jersey:

- Deutsche Bank Member, 2002-2003.

Universitat Pompeu Fabra, Barcelona, Spain:

- Visiting Professor of Economics, 1995-1996.

Hebrew University of Jerusalem, Center for the Study of Rationality, Israel:

- Visiting Scholar, January 1993.

Universidad Complutense de Madrid, Spain:

- Lecturer of Economics, 1987-1988.

V. Research and scholarship publications

Books

- R. Serrano and A. M. Feldman, *A Short Course in Intermediate Microeconomics with Calculus*, Cambridge University Press, Cambridge, (2013); 2nd edition, (2018).
-Chinese translation, Shanghai University of Finance and Economics Press, Shanghai, (2014).
-Spanish translation, Garceta Grupo Editorial, Madrid, (2016).
- A. M. Feldman and R. Serrano, *Welfare Economics and Social Choice Theory*, 2nd edition, Springer, New York, (2006).
-Japanese translation, CAP Shuppan Co. Ltd., Tokyo, (2009).

Published scholarly papers

- 75 V. H. Aguiar, R. Pongou, R. Serrano, and J.-B. Tondji, “An Index of Unfairness,” *Handbook of the Shapley Value*, E. Algaba et al. (eds.), CRC Press, Taylor and Francis, forthcoming.
- 74 T. Kunimoto and R. Serrano, “Rationalizable Implementation of Correspondences,” *Mathematics of Operations Research*, forthcoming.
- 73 G. de Clippel, R. Saran, and R. Serrano, “Level- k Mechanism Design,” *Review of Economic Studies*, forthcoming.
- 72 V. H. Aguiar and R. Serrano, “Classifying Bounded Rationality in Limited Data Sets: A Slutsky Matrix Approach,” *SERIEs, Journal of the Spanish Economic Association* **9**, (2018), 389-421.
- 71 R. Serrano, “Top5itis,” *Economics Bulletin* **38**, No. 2, (2018), p. A2.
- 70 R. Serrano, “Game of Trons: Normatrons and Positrons Contribute to Economic Design,” in J.-F. Laslier et al. (eds.), *The Future of Economic Design*, Springer, (2018).
- 69 R. Serrano, “An Annotated Bibliography of Lloyd Shapley’s Contributions,” *Games and Economic Behavior* **108**, (2018), 13-21.
- 68 V. H. Aguiar and R. Serrano, “Slutsky Matrix Norms: The Size, Classification, and Comparative Statics of Bounded Rationality,” *Journal of Economic Theory* **172**, (2017), 163-201.

- 67 A. Cabrales, O. Gossner, and R. Serrano, "A Normalized Value for Information Purchases," *Journal of Economic Theory* **170**, (2017), 266-288.
- 66 R. Pongou and R. Serrano, "Volume of Trade and Dynamic Network Formation in Two-Sided Economies," *Journal of Mathematical Economics* **63**, (2016), 147-163.
- 65 R. Serrano, "The Nash Program: A Broader Interpretation," *Ensayos* **33** (2), (2014), 105-106.
- 64 R. Saran and R. Serrano, "Ex-Post Regret Heuristics under Private Values (II): 2×2 Games," *Journal of Mathematical Economics* **54**, (2014), 112-123.
- 63 R. Saran and R. Serrano, "Ex-Post Regret Heuristics under Private Values (I): Fixed and Random Matching," *Journal of Mathematical Economics* **54**, (2014), 97-111.
- 62 K. Eliaz and R. Serrano, "Sending Information to Interactive Receivers Playing a Generalized Prisoners' Dilemma," *International Journal of Game Theory* **43**, (2014), 245-267.
- 61 R. Serrano, "Lloyd Shapley's Matching and Game Theory," *Scandinavian Journal of Economics* **115**, (2013), 599-618.
- 60 F. Forges and R. Serrano, "Cooperative Games with Incomplete Information: Some Open Problems," *International Game Theory Review* **15**, (2013), No. 2, Paper 9, 1-17.
- 59 R. Pongou and R. Serrano, "Fidelity Networks and Long-Run Trends in HIV/AIDS Gender Gaps," *American Economic Review* **103**, (2013), Papers and Proceedings, 298-302.
- 58 G. Artemov, T. Kunimoto and R. Serrano, "Robust Virtual Implementation: Toward a Reinterpretation of the Wilson Doctrine," *Journal of Economic Theory* **148**, (2013), 424-447.
- 57 A. Cabrales, O. Gossner and R. Serrano, "Entropy and the Value of Information for Investors," *American Economic Review* **103**, (2013), 360-377.
- 56 R. Saran and R. Serrano, "Regret Matching with Finite Memory," *Dynamic Games and Applications* **2**, (2012), 160-175.
- 55 A. Cabrales and R. Serrano, "Stochastically Stable Implementation," *SERIEs, Journal of the Spanish Economic Association* **3**, (2012), 59-72.

- 54 A. Cabrales and R. Serrano, "Implementation in Adaptive Better-Response Dynamics: Towards a General Theory of Bounded Rationality in Mechanisms," *Games and Economic Behavior* **73**, (2011), 360-374.
- 53 T. Kunimoto and R. Serrano, "A New Necessary Condition for Implementation in Iteratively Undominated Strategies," *Journal of Economic Theory* **146**, (2011), 2583-2595.
- 52 Y. Kamishiro and R. Serrano, "Equilibrium Blocking in Large Quasilinear Economies," *Mathematics of Operations Research* **36**, (2011), 552-567.
- 51 R. Serrano and R. Vohra, "Multiplicity of Mixed Equilibria in Mechanisms: A Unified Approach to Exact and Approximate Implementation," *Journal of Mathematical Economics* **46**, (2010), 775-785.
- 50 A. Kar, I. Ray and R. Serrano, "A Difficulty in Implementing Correlated Equilibrium Distributions," *Games and Economic Behavior* **69**, (2010), 189-193.
- 49 R. Serrano, "On Watson's Non-Forcing Contracts and Renegotiation," *Economics Bulletin* **29**, No. 3, (2009), 2357-2367.
- 48 R. Serrano, "Cooperative Games: Core and Shapley Value," in *Encyclopedia of Complexity and Systems Science*, R. Meyers (ed.), Springer, New York, (2009).
- 47 A. M. Feldman and R. Serrano, "Arrow's Impossibility Theorem: Two Simple Single-Profile Versions," *Harvard College Mathematics Review* **2**, No. 2, (2008), 46-57.
- 46 R. J. Aumann and R. Serrano, "An Economic Index of Riskiness," *Journal of Political Economy* **116**, (2008), 810-836.
- 45 G. de Clippel and R. Serrano, "Marginal Contributions and Externalities in the Value," *Econometrica* **76**, (2008), 1413-1436.
- 44 R. Serrano and O. Volij, "Mistakes in Cooperation: The Stochastic Stability of Edgeworth's Recontracting," *Economic Journal* **118**, (2008), 1719-1741.
- 43 M. Kandori, R. Serrano and O. Volij, "Decentralized Trade, Random Utility and the Evolution of Social Welfare," *Journal of Economic Theory* **140**, (2008), 328-338.
- 42 R. Serrano, "Bargaining," in *The New Palgrave Dictionary of Economics*, 2nd edition, S. Durlauf and L. Blume (eds.), McMillan, London, (2008).
- 41 R. Serrano, "Nash Program," in *The New Palgrave Dictionary of Economics*, 2nd edition, S. Durlauf and L. Blume (eds.), McMillan, London, (2008).

- 40 R. Serrano and R. Vohra, "Information Transmission in Coalitional Voting Games," *Journal of Economic Theory* **134**, (2007), 117-137.
- 39 R. Serrano and K.-I. Shimomura, "A Comparison of the Average Prekernel and the Prekernel," *Mathematical Social Sciences* **52**, (2006), 288-301.
- 38 I. Palacios-Huerta and R. Serrano, "Rejecting Small Gambles under Expected Utility," *Economics Letters* **91**, (2006), 250-259.
- 37 P. Gottardi and R. Serrano, "Market Power and Information Revelation in Dynamic Trading," *Journal of the European Economic Association* **3**, (2005), 1279-1317.
- 36 R. Serrano, "Fifty Years of the Nash Program, 1953-2003," *Investigaciones Económicas* **29**, (2005), 219-258.
- 35 R. Serrano and R. Vohra, "A Characterization of Virtual Bayesian Implementation," *Games and Economic Behavior* **50**, (2005), 312-331.
- 34 R. Serrano, "The Measurement of Intellectual Influence: The Views of a Sceptic," *Economics Bulletin* **1**, No. 3, (2004), 1-6.
- 33 R. Serrano, "The Theory of Implementation of Social Choice Rules," *SIAM Review* **46**, (2004), 377-414.
- 32 T. Kunimoto and R. Serrano, "Bargaining and Competition Revisited," *Journal of Economic Theory* **115**, (2004), 78-88.
- 31 A. Ben-Shoham, R. Serrano and O. Volij, "The Evolution of Exchange," *Journal of Economic Theory* **114**, (2004), 310-328.
- 30 Y. In and R. Serrano, "Agenda Restrictions in Multi-Issue Bargaining," *Journal of Economic Behavior and Organization* **53**, (2004), 385-399.
- 29 Y. In and R. Serrano, "Agenda Restrictions in Multi-Issue Bargaining (II): Unrestricted Agendas," *Economics Letters* **79**, (2003), 325-331.
- 28 R. Serrano, "Decentralized Information and the Walrasian Outcome: A Pairwise Meetings Market with Private Values," *Journal of Mathematical Economics* **38**, (2002), 65-89.
- 27 R. Serrano and R. Vohra, "Implementing the Mas-Colell Bargaining Set," *Investigaciones Económicas* **26**, (2002), 285-298.
- 26 R. Serrano and R. Vohra, "Bargaining and Bargaining Sets," *Games and Economic Behavior* **39**, (2002), 292-308.

- 25 R. Serrano, R. Vohra and O. Volij, "On the Failure of Core Convergence in Economies with Asymmetric Information," *Econometrica* **69**, (2001), 1685-1696.
- 24 M. R. Blouin and R. Serrano, "A Decentralized Market with Common Values Uncertainty: Non-Steady States," *Review of Economic Studies* **68**, (2001), 323-346.
- 23 R. Serrano and R. Vohra, "Some Limitations of Virtual Bayesian Implementation," *Econometrica* **69**, (2001), 785-792.
- 22 S. Baliga and R. Serrano, "Multilateral Negotiations with Private Side-Deals: A Multiplicity Example," *Economics Bulletin* **3**, No. 1, (2001), 1-7.
- 21 R. Serrano and O. Volij, "Walrasian Allocations without Price-Taking Behavior," *Journal of Economic Theory* **95**, (2000), 79-106.
- 20 N. Dagan, R. Serrano and O. Volij, "Bargaining, Coalitions and Competition," *Economic Theory* **15**, (2000), 279-296.
- 19 N. Dagan, R. Serrano and O. Volij, "Feasible Implementation of Taxation Methods," *Review of Economic Design* **4**, (1999), 57-72.
- 18 R. Serrano and K.-I. Shimomura, "Beyond Nash Bargaining Theory: The Nash Set," *Journal of Economic Theory* **83**, (1998), 286-307.
- 17 N. Dagan, R. Serrano and O. Volij, "Comment on McLennan and Sonnenschein 'Sequential Bargaining as a Noncooperative Foundation for Walrasian Equilibrium'," *Econometrica* **66**, (1998), 1231-1233.
- 16 R. Serrano and O. Volij, "Axiomatizations of Neoclassical Concepts for Economies," *Journal of Mathematical Economics* **30**, (1998), 87-108.
- 15 R. Serrano and I. Zapater, "The Three-Legged Race: Cooperating to Compete," *Games and Economic Behavior* **22**, (1998), 343-363.
- 14 N. Dagan and R. Serrano, "Invariance and Randomness in the Nash Program for Coalitional Games," *Economics Letters* **58**, (1998), 43-49.
- 13 R. Serrano, "Reinterpreting the Kernel," *Journal of Economic Theory* **77**, (1997), 58-80.
- 12 R. Serrano and R. Vohra, "Non-Cooperative Implementation of the Core," *Social Choice and Welfare* **14**, (1997), 513-525.
- 11 R. Serrano, "A Comment on the Nash Program and the Theory of Implementation," *Economics Letters* **55**, (1997), 203-208.

- 10 N. Dagan, R. Serrano and O. Volij, "A Non-Cooperative View of Consistent Bankruptcy Rules," *Games and Economic Behavior* **18**, (1997), 55-72.
- 9 R. Serrano and O. Yosha, "Welfare Analysis of a Market with Pairwise Meetings and Asymmetric Information," *Economic Theory* **8**, (1996), 167-175.
- 8 V. Krishna and R. Serrano, "Multilateral Bargaining," *Review of Economic Studies* **63**, (1996), 61-80.
- 7 S. Baliga and R. Serrano, "Multilateral Bargaining with Imperfect Information," *Journal of Economic Theory* **67**, (1995), 578-589.
- 6 R. Serrano, "A Market to Implement the Core," *Journal of Economic Theory* **67**, (1995), 285-294.
- 5 R. Serrano and O. Yosha, "Decentralized Markets with Pairwise Meetings: Recent Developments," *Journal of International and Comparative Economics* **4**, (1995), 223-241.
- 4 V. Krishna and R. Serrano, "Perfect Equilibria of a Model of n-Person Non-Cooperative Bargaining," *International Journal of Game Theory* **24**, (1995), 259-272.
- 3 R. Serrano, "Strategic Bargaining, Surplus Sharing Problems and the Nucleolus," *Journal of Mathematical Economics* **24**, (1995), 319-329.
- 2 R. Serrano, "Non-Cooperative Implementation of the Nucleolus: The 3-Player Case," *International Journal of Game Theory* **22**, (1993), 345-357.
- 1 R. Serrano and O. Yosha, "Information Revelation in a Market with Pairwise Meetings: The One-Sided Information Case," *Economic Theory* **3**, (1993), 481-499.

Book reviews

- R. Serrano, *Axiomatic Consensus Theory in Group Choice and Biomathematics* by W. H.E. Day and F.R. McMorris, (2003), SIAM, Philadelphia, Pennsylvania, *SIAM Review* **47**, (2005), 392-393.

Articles for a more general public

- R. Serrano, "Top5itis: The Disease that Affects Economics," *ProMarket.org*, blog at the Booth Business School, University of Chicago (posted on Mar. 2, 2018).

- R. Serrano (in Spanish), “La Nueva Enfermedad Infecciosa de los Economistas: La Top5itis,” *Nada Es Gratis* (posted on Feb. 2, 2018).
- R. Serrano, (in Spanish), “Reconocimiento a las Teorías de Shapley y Roth,” *Expansión*, Madrid, (Oct. 16, 2012).
- R. Pongou and R. Serrano, “Fidelity Networks: Female Discrimination, Male Competition, and the Spread of HIV/AIDS,” *Economics at Brown University*, (2009).
- R. Serrano, (in Spanish), “Reconocimiento a la Teoría del Diseño de Mecanismos,” *Expansión*, Madrid, (Oct. 16, 2007).
- R. Serrano, (in Spanish), “El Uso de Sistemas Dinámicos Estocásticos en la Teoría de Juegos y la Economía,” *Matematicalia* **3**, nos. 4-5, (Oct-Dec 2007).
- R. Serrano, “Economic Indicators,” “National Income” and “Stock Exchange,” entries in *World Book Encyclopedia*, World Book Publishing, Chicago, Illinois, (2007 edition).
- R. Serrano, “Alfred Marshall,” entry in *World Book Encyclopedia*, World Book Publishing Company, Chicago, Illinois, (2005 edition).
- R. Serrano, “Adam Smith,” entry in *World Book Encyclopedia*, World Book Publishing Company, Chicago, Illinois, (2004 edition).
- R. Serrano, “John Forbes Nash Jr.,” entry in *World Book Encyclopedia*, World Book Publishing Company, Chicago, Illinois, (2003 edition).
- J. Dreier and R. Serrano, “Rationality and Paradox in Decision Making,” *Brown University Faculty Bulletin*, (Fall 2001), 30-33.

Research in progress

- Y. Kamishiro and R. Serrano, “Small Informational Size and Interim Cores of Large Quasilinear Economies,” (2018), Working Paper 2018-11, Department of Economics, Brown University.
- V. H. Aguiar and R. Serrano, “Cardinal Revealed Preference, Price-Dependent Utility, and Consistent Binary Choice,” (2018), Working Paper 2018-3, Department of Economics, Brown University.
- G. de Clippel, R. Saran, and R. Serrano, “Mechanism Design with Bounded Depth of Reasoning and Small Modeling Mistakes,” (2016), formerly Working Paper 2014-7, Department of Economics, Brown University.

Y. Kamishiro, R. Serrano, and M. Wooders, “Monopolists of Scarce Information and Small Group Effectiveness in Large Quasilinear Economies,” (2018), revision of Working Paper 2015-11, Department of Economics, Brown University.

G. de Clippel and R. Serrano, “Bargaining, Coalitions and Externalities: A Comment on Maskin,” (2008), Working Paper 2008-16, Department of Economics, Brown University.

VI. Invited lectures and conference presentations

Keynote and plenary lectures

Distinguished Speaker, Andreu Mas-Colell’s Festschrift Book Presentation, CEMFI, June 2016.

Invited Speaker, Eric Maskin’s 65th Birthday Conference, Harvard University, July 2015.

Keynote Lecture, 70-th Anniversary of the Department of Economics, Universidad Complutense de Madrid, November 2014.

Plenary Lecture, Mexican Colloquium on Mathematical Economics and Econometrics, Universidad Autónoma de Nuevo León, Monterrey, September 2014.

Distinguished Lecturer, Mini-Course on Cooperative Games, International Workshop of the Game Theory Society (in Celebration of 70th Birthday of Marilda Sotomayor), Sao Paulo, July 2014.

Plenary Speaker, Conference for the 70th Anniversary of von Neumann and Morgenstern’s *Theory of Games and Economic Behavior*, Tinbergen Institute, Amsterdam, June 2014.

Invited Speaker, Spring Workshop in Economic Theory, Queen Mary University of London, May 2014.

Distinguished Speaker, Singapore Economic Review Conference, Singapore, August 2013.

Invited Speaker, World Congress of the Game Theory Society, Istanbul, July 2012.

Keynote Speaker, York Annual Symposium on Game Theory, University of York, May 2010.

Invited Annual Lecture, CEMFI Alumni Association, CEMFI, July 2008.

Vilfredo Pareto Lecture, Association of Southern European Economic Theorists Meeting, University of Padua, November 2007.

Plenary Lecture, Spain-Italy-Netherlands Game Theory Meeting, Universidad Complutense de Madrid, July 2007.

Plenary Lecture, International Conference on Game Theory, State University of New York at Stony Brook, July 2006.

Invited Speaker, “Mathematics in Economics” Conference, Real Sociedad Matemática Española), Universidad de Alicante, May 2005.

Economics Department Graduation Keynote Speaker, Universidad Complutense de Madrid, February 2005.

Award Acceptance Lecture, Banco Herrero, Oviedo, September 2004.

Invited Speaker, World Congress of the Game Theory Society, Marseille, July 2004.

Investigaciones Económicas Plenary Lecture, Spanish Symposium on Economic Analysis, Universidad Pablo de Olavide, Sevilla, December 2003.

“Rationality on Fridays” Lecture, Center for Rationality, Hebrew University of Jerusalem, December 2002.

Interdisciplinary Luncheon Seminar, School of Social Science, Institute for Advanced Study, Princeton, November 2002.

Speaker at the Faculty Forum for the Inauguration of President Ruth Simmons, Brown University, October 2001.

Plenary Lecture, International Conference on Game Theory, State University of New York at Stony Brook, July 2001.

Four Lectures at the Summer School in Economic Theory, Hebrew University of Jerusalem, June 1999.

Other lectures, seminars and conference presentations

2018: Warsaw School of Economics/Polish Academy of Sciences (Hurwicz Workshop on Mechanism Design), Oxford, University College London, Brown, Pittsburgh/Carnegie Mellon, Coruña, Vigo, Alicante (Carmen Herrero Celebration Conference), Harvard/MIT.

2017: Bonn, Singapore Management U., National U. of Singapore, Kobe, Tokyo, Penn State, Academia Sinica-Taipei, Complutense de Madrid, Michigan (NSF/CEME Decentralization Conference).

2016: Brussels (Workshop on Economic Design and Institutions), Johns Hopkins (NSF/CEME Conference on Mathematical Economics), Brown, Lund (Social Choice and Welfare Conference), CEMFI, U. Penn.

2015: Columbia/Columbia GSB, Cambridge (Society for the Advancement of Economic Theory Conference), Hebrew of Jerusalem (Sergiu Hart’s 65th Birthday Conference).

2014: Autónoma de Nuevo León, Penn State, Paris School of Economics (Conference on the Microeconomics of Rational Inattention), Carlos III (Luis Corchón’s 65th Birthday Conference), Brown.

- 2013: Toronto, Northwestern, Ohio State, Nanyang Technological-Singapore, MINES-ParisTech (Society for the Advancement of Economic Theory Conference), Hawaii, Western Ontario.
- 2012: Michigan, Georgia State (Summer School in Public Economics), Tel-Aviv (Jerry Greens 65th Birthday Economic Theory Conference).
- 2011: Paris 1-Sorbonne (Paris Summer Workshop in Economic Theory), Faro (Society for the Advancement of Economic Theory Conference), Bern, Aarhus.
- 2010: Brown, Comisión Nacional de la Competencia (Madrid Microeconomics and Organizations Workshop), Vanderbilt, EUI-Florence.
- 2009: Penn State, UNED-Madrid, Pompeu Fabra (European Workshop on General Equilibrium - Andreu Mas-Colell's 65th Birthday), Carlos III, Toronto (Canadian Economic Theory Conference), Brown, National U of Singapore.
- 2008: CEMFI (Madrid Summer Workshop on Economic Theory), Autónoma de Barcelona, Maryland, Valencia.
- 2007: Ben-Gurion of the Negev, Hebrew of Jerusalem (Ehud Kalai's 65th Birthday Conference), Fuqua GSB/Duke, CEMFI-Madrid, Columbia/Columbia GSB, UC San Diego, Berkeley.
- 2006: Carlos III de Madrid, Bask Country, Vigo, Brown, Complutense de Madrid, Warwick, Essex, Stony Brook (Symposium in Honor of Robert Aumann), McGill/Concordia/Montreal (Montreal Economic Theory Seminar), Rice, Brown.
- 2005: Málaga, Autónoma de Barcelona, Carlos III de Madrid (Economics Department General Seminar), Alicante, Oviedo, London School of Economics, Birmingham, University College London/Birkbeck, Pablo de Olavide-Sevilla, Venice, Paris 1-Sorbonne, Maastricht, University College London (World Congress of the Econometric Society), Brown, CEMFI-Madrid, CIMAT-Guanajuato ("New Trends in Cooperative Game Theory" Conference), Iowa State.
- 2004: Northwestern/MEDS, Complutense de Madrid, Brown (Wayland Collegium Faculty Interdisciplinary Seminar on Rationality and Decision Making), Brown (North American Summer Meeting of the Econometric Society), Rochester (Wallis Institute Conference).
- 2003: Brown, Harvard/MIT, British Columbia, Iowa State, Kellogg (two lectures at the North American Summer Meeting of the Econometric Society), Washington at St. Louis (NSF/NBER Conference on General Equilibrium), Purdue (NSF/NBER Conference on Decentralization), Rutgers, IAS/Princeton.
- 2002: Hebrew University of Jerusalem (Economic Theory Seminar, and Game Theory Workshop), IAS/Princeton, Princeton, Sao Paulo (Brazilian Workshop of the Game Theory Society/Latin American Meeting of the Econometric Society), Sevilla (Spanish Meeting on Game Theory).
- 2001: IAS/Princeton, Pittsburgh, Montreal, Chicago, Brown, San Andres-Buenos Aires (Latin American Meeting of the Econometric Society), Maryland (North American Summer Meeting of the Econometric Society), Autónoma de Barcelona, Carlos III de Madrid, Caltech (Southwest Economic Theory Conference).
- 2000: Minnesota (Midwest Economic Theory Meeting), Bilbao (World Congress of the Game Theory Society), Hebrew University, Brown, Carlos III.
- 1999: Arizona, Arizona State, Berkeley, Stanford, Illinois (Midwest Mathematical Economics Meeting), Pompeu Fabra, Venice, Stony Brook (International Conference on Game Theory), Hebrew University.
- 1998: Stony Brook (International Conference on Game Theory), Quebec at Montreal (North American Summer Meeting of the Econometric Society), Pompeu Fabra, Manresa -Pompeu Fabra (European Meeting on General Equilibrium), Carlos III, Tel-Aviv, Johns Hopkins.
- 1997: Brown, Toronto (Canadian Economic Theory Conference), Penn State (NSF/NBER Conference on Decentralization), Rochester, NYU, Brown, Duke/Chapel Hill.
- 1996: Harvard/MIT, Penn State, Yale, Santiago de Compostela (Spanish Meeting on Game Theory), Alicante, Complutense de Madrid, London School of Economics, CERASS-Paris (Fourgeaud Lecture), HEC-Paris.
- 1995: Pompeu Fabra, Instituto de Estudios Catalanes (Games-Barcelona), Stanford (Summer Institute for Theoretical Economics), Brown.
- 1994: Ohio State, Rochester (International Conference on Social Choice and Welfare), Brown.
- 1993: Boston , Stony Brook (International Conference on Game Theory), Brown (Economic Theory Summer Conference), Pompeu Fabra, Tel-Aviv, Hebrew University.
- 1992: Hebrew University, Johns Hopkins (Joint Economic Theory Conference Brown/Columbia/Johns Hopkins), Harvard/MIT, Brown, Western Ontario, Northwestern, Chicago, Michigan, Brown, Yale.

1991: Stony Brook (International Conference on Game Theory).

1990: Hebrew University (student presentation, Summer School in Economic Theory).

Papers discussed

Discussant of papers at Madrid Summer Workshop on Economic Theory (Carlos III, 2012; Carlos III, 2009; CEMFI, 2008), Spring Miniconference on Economic Theory (Brown, 2008), Herschel Grossman Memorial Conference (Brown, 2006), Cowles Foundation Conference on Robust Mechanism Design (Yale, 2004), Fain Conference on Risk Bearing and Incentives in Firms (Brown, 1998), North American Summer Meeting of the Econometric Society (Montreal, 1998), International Conference on Auctions (Pompeu Fabra, 1996), North American Winter Meeting of the Econometric Society (Boston, 1994).

VII. Academic honors, awards and fellowships

Academic honors

Fellow of the Game Theory Society, elected 2017.

Member of the Academic Council, Barcelona Graduate School of Economics, 2015 - present.

Fellow of the Econometric Society, elected 2013.

Member of the Council of the Game Theory Society, elected 2005 - 2011.

Fundación Banco Herrero Prize, awarded to Spanish economists under 40, 2004.

Alfred P. Sloan Foundation Research Fellowship, awarded to outstanding scholars with up to six years after their Ph.D., 1999-2001.

Charter Member of the Game Theory Society, 1999.

Honorary Master of Arts *ad eundem*, Brown University, 1996.

Ph.D. Prize of Spain's National Organization for the Blind (awarded *cum laude*), 1993.

Harvard Graduate School of Arts and Sciences Merit Fellowship, awarded annually to a graduate student with an outstanding research profile, 1991-1992.

B.A. Prize of Spain's National Organization for the Blind, Best Student in Sciences, 1988.

Merit Undergraduate Fellowship, Department of Economic Analysis, Universidad Complutense de Madrid, 1985-1987.

Teaching awards

Included in *The Best 300 Professors*, Princeton Review, 2012.

Omicron-Delta-Epsilon Economics Professor of the year Award, Brown University, 2006.

William G. McLoughlin Award for Teaching Excellence in the Social Sciences, Brown University, 1999.

Grants

Consolider Excellence in Research Award, Spain's Ministry of Science and Innovation, 2009-2012.

Fundación Banco Herrero Research Fellowship (during sabbatical semester from Brown University), Fall 2005.

Research Grant, Universidad Carlos III de Madrid (during sabbatical semester from Brown University), "The Credible Core of a Large Economy with Asymmetric Information," Fall 2005.

National Science Foundation Grant, "Cooperation and Incentives in Models with Asymmetric Information," 2002-2004.

Deutsche Bank Fellowship at the Institute for Advanced Study (during sabbatical year from Brown University), "Cooperation, Fairness and Incentives under Asymmetric Information," 2002-2003.

US-Israel Binational Science Foundation Research Grant, "Stochastic Stability and the Competitive Equilibrium," 1999-2001.

Richard B. Salomon Research Award, Brown University, 1998-2000.

DGICYT's Research Grant (Spain's equivalent of the National Science Foundation), "Models of Exchange and Competitive Allocations," 1997-1999.

Spain's Ministry of Education and Science Sabbatical Grant (during sabbatical year from Brown University), "On Consistency and Implementation," 1995-1996.

Fulbright Fellowship (in conjunction with Spain's Ministry of Education and Science) for graduate studies in the U.S., 1990-1992.

Fundación Ramón Areces Fellowship (Spain) for graduate studies abroad, 1988-1990.

VIII. Service

Recent service to department and university

Concentration Advisor for Applied Mathematics-Economics, Mathematics-Economics, and Computer Science-Economics, 2015-present.

Economics Department Chair, 2010-2014.

Member of the Economics Department Council, 2009-2014.

“First Readings” seminar leader for incoming freshmen, 2011-2013.

Member of the Provost-Chairs Meetings Agenda Committee, 2011-2012.

Director of Graduate Studies, Department of Economics, 2006-2010.

Member of the Economics Department Senior Search Committee, 2009-2010.

Member of the Economics Department Strategic Planning Committee, 2004-2008.

Service to the profession

Editorial work

Advisory Editor, *Games and Economic Behavior*, 2013 - present.

Associate Editor, *International Journal of Game Theory*, 2011 - present.

Member of the Advisory Board, Springer Series in Game Theory (Game Theory Society Monographs), 2008 - present.

Editor in Chief, *Economics Letters*, 2011-2017.

Associate Editor, *Research in Economics*, 1999-2001 and 2003-2016.

Associate Editor, *Mathematical Social Sciences*, 2002-2012.

Associate Editor, *Economic Theory*, 1997-2004.

Conference program committees

Member of the Program Committee, Conference of the Society for Economic Design, University of York, 2017.

Member of the Program Committee, NSF/CEME Decentralization Conference, Brown University, 2016.

Co-organizer, Madrid Summer Workshop on Economic Theory, CEMFI, Universidad Carlos III and IMDEA, 2008-2012.

Member of the Program Committee, Public Economic Theory Conference, Taipei, 2012.

Main Organizer of Scientific Program, International Conference on Game Theory, State University of New York, Stony Brook, 2009.

Member of the Program Committee, NSF/NBER Conference on General Equilibrium and Mathematical Economics, Brown University, 2008.

Member of the Program Committee, Public Economic Theory Meeting, Vanderbilt University, 2007.

Reviewer, Association for Computing Machinery Conference (Electronic Commerce Group), 2005.

Chair of the Program Committee, North American Summer Meeting of the Econometric Society, Brown University, 2004.

Member of the Selection Committee for the Walras-Bowley Lecture, North American Summer Meeting of the Econometric Society, Brown University, 2004.

Member of the Program Committee, Meeting of the Society for Economic Design, New York University, 2002.

Member of the Program Committee, NSF/NBER Conference on General Equilibrium, Brown University, 2001.

Referee for the Following Journals, Publishers and Institutions

Acta Mathematica Scientia, American Economic Journal: Microeconomics, American Economic Review, Applied Mathematics and Optimization, Berkeley Electronic Journals on Theoretical Economics, Econometrica, Economic Inquiry, Economic Journal, Economic Theory, Economics Bulletin, Economics Letters, Estudios de Economía Aplicada, Ethical Perspectives, European Economic Review, European Journal of Operational Research, European Journal of Political Economy, Games and Economic Behavior, International Economic Review, International Game Theory Review, International Journal of Game Theory, International Journal of Uncertainty Fuzziness and Knowledge-Based Systems, Journal of Business and Economic Statistics, Journal of Economic Inequality, Journal of Economic Theory, Journal of Global Optimization, Journal of Mathematical Economics, Journal of Political Economy, Journal of Public Economic Theory, Journal of Theoretical Politics, Management Science, Mathematical Reviews, Mathematical Social Sciences, Mathematics of Operations Research, Quarterly Journal of Economics, RAND Journal of Economics, Research in Economics, Review of Economic Design, Review of Economic Studies, Review of Political Economy, Risk Decision and Policy, Risk Management and Insurance Review, Social Choice and Welfare, Theoretical Economics, Theory and Decision, Academic Press, Addison Wesley Longman Publishing, Banach Center Publications (Polish Academy of Sciences), Cambridge University Press, MIT Press, W.W. Norton, Oxford university press, Palgrave MacMillan, South-Western College Publishing, Springer-Verlag, Stanford University Press, John Wiley and Sons CO., World Scientific Publishing, Deutsche Bank Foundation, European Research Council, German Science Foundation,

Israel Science Foundation, National Science Foundation, Netherlands Organisation for Scientific Research, Royal Swedish Academy of Sciences, Social Sciences and Humanities Research Council of Canada, US Social Sciences Research Council, US-Israel Binational Science Foundation.

Service to the community

Plenary Speaker, International Conference on Universities and Disabilities, Fundacion ONCE, Madrid, November 2014.

Member of the Board of Directors, Rhode Island Manufacturing Extension Services, 2011-2012.

Contributor, Proposal for a Reform of the Pensions System in Spain, presented to the press in October 2010.

Lectures on Braille and learning for the blind, delivered to fifth graders, Hampton Meadows Public School, Barrington, October 2010, April 2007.

Invited speaker, Annual State Convention, National Federation of the Blind, Warwick, Rhode Island, October 2009.

Contributor, Proposal for a Reform of the Housing Market in Spain, presented to the press in October 2009.

Contributor, Proposal for a Reform of the Labor Market in Spain, presented to the press in April 2009.

Public Lecture on game theory and the use of mathematics in science, delivered to juniors and seniors in high school, Instituto Ferrán Clúa, San Fernando, Madrid, May 2008.

Invited Lecture on riskiness, Symposium for Undergraduates in the Mathematical Sciences, Brown University, March 2008.

Guest speaker on risk in the economy and the recession, Board Meeting of Rhode Island Manufacturing Extension Services, Providence, January 2008.

Public Lecture on game theory, sponsored by the Sarah Doyle Women's Center, Brown University, March 2007.

Contributor to *World Book Encyclopedia*, with articles about economics intended for general readers (high school and up), 2003-2007.

Public Lecture on game theory, intended for economics undergraduates, Universidad de Oviedo, November 2005.

Public Lecture on game theory, sponsored by the Math Undergraduate Group, Brown University, November 2001.

IX. Teaching

Undergraduate courses

ECON 0110, *Principles of Economics*.

ECON 1110, *Intermediate Microeconomics*.

ECON 1130, *Intermediate Microeconomics (Mathematical)*.

ECON 1170, *Welfare Economics and Social Choice Theory*.

ECON 1470, *Bargaining Theory and Applications*.

ECON 1870, *Game Theory and Applications to Economics*.

ECON 1940, *Current Economics Research: Undergraduate Seminar*.

ECON 1970, *Independent Research*.

GISP on Neuroeconomics, guest lecturer.

Graduate courses

ECON 2050, *Microeconomics I*.

ECON 2060, *Microeconomics II*.

ECON 2160, *Risk, Uncertainty, and Information*.

ECON 2180, *Game Theory*.

ECON 2980, *Reading and Research*.

Seminar and lecture series organized at Brown

ECON 2970, *Workshop in Economic Theory*, frequent organizer.

Theory Lunch and *Theory Breakfast*, faculty sponsor.

John von Neumann Distinguished Lecture Series, co-organizer with S. Istrail (computer science), L. Cooper (physics) and S. Geman (applied math), May 2015 (Brown's 250th anniversary), May 2010.

Economics Department Faculty Seminar, 2012-2014.

Economics in the Real World Symposium, Department of Economics: “Financial Fragility in the Global Economy,” 2013-14; “The Ongoing Economic Crisis in Europe,” 2012-13; “The Chinese Economy,” 2011-12; “Health Care and its Reform,” 2010-11.

Lecture Series on International Finance, Rhodes Center and Watson Institute, 2012-2013.

Wayland Collegium Faculty Interdisciplinary Seminar on Rationality and Decision Making, co-organizer with P. Dal Bó (economics), A. Greenwald (computer science) and S. Sloman (cognitive and linguistic sciences), 2004-2005.

Honor theses directed

Anna Croley, Brown University, 2019.

Joshua Herman, Brown University, 2017.

Jaclyn Zhong, Brown University, 2017.

Matthew Schiffman, Brown University, 2009.

Neale Mahoney, Brown University, 2005.

Ju Dee Ang, Brown University, 2002.

Nicholas Schaden (second reader), Brown University, 2002.

Jonathan Rork, Brown University, 1994.

Committee member for Ph.D. dissertations [(*) if main advisor]

Oleg Semenov, Brown University, 2020?

Victor Aguiar, Brown University, 2016. (*) Placement: Assistant Professor, University of Western Ontario.

María José Boccardi, Brown University, 2016.

Takeshi Suzuki, Brown University, 2014.

Debipriya Chatterjee, Brown University, 2010.

Roland Pongou, Brown University, 2010. (*) Placement: Assistant Professor, University of Ottawa; now Associate Professor (with tenure), University of Ottawa.

Petros Milionis, Brown University, 2010.

James Campbell, Brown University, 2010.

Yusuke Kamishiro, Brown University, 2010. (*) Placement: Assistant Professor, Kobe International University; now Associate Professor (with tenure), Kanto Gakuin University.

Michal Lewandowski (external reader), European University Institute, 2010.

Sohei Kaihatsu, Brown University, 2009.

Norovsambuu Tumennasan, Brown University, 2009. (*) Placement: Assistant Professor, Aarhus University; now Associate Professor (with tenure), Dalhousie University.

John R. Wicks, Brown University (Computer Science), 2008.

Rene Saran, Brown University, 2007. (*) Placement: Assistant Professor, Maastricht University; now Associate Professor (with tenure), University of Cincinnati.

Georgy Artemov, Brown University, 2007. (*) Placement: Assistant Professor, University of Melbourne.

Serkan Bahceci, Brown University, 2006.

Takashi Kunimoto, Brown University, 2005. (*) Placement: Assistant Professor, McGill University; now Associate Professor (with tenure), Singapore Management University.

Olivier Bochet, Brown University, 2004. (*) Placement: Assistant Professor, Universite du Namur; now Associate Professor (with tenure), New York University-Abu Dhabi.

Atsushi Iimi, Brown University, 2002.

Younghwan In, Brown University, 2001. (*) Placement: Assistant Professor, NUS; now Associate Professor (with tenure), Korea Advanced Institute for Science and Technology.

Ambar Narayan, Brown University, 2001. (*) Placement: Economist, World Bank.

Andrea Dall'Olio, Brown University, 2000.

Margarida Corominas-Bosch (external reader), Universitat pompeu Fabra, 1999.

Max R. Blouin, Brown University, 1999. (*) Placement: Assistant Professor, Universite du Quebec a Montreal; now Full Professor, Universite du Quebec a Montreal.

Darin Lee, Brown University, 1998. (*) Placement: Economist, Law and Economics Consulting Group; now Senior Vice President, Compass Lexecon.

Albert Burgos (external reader), Universitat Autònoma de Barcelona, 1995.

Arindam Mitra, Brown University, 1994.

Postdoctoral advisor

Ricardo Martínez, 2007 Ph.D. from Alicante, Brown University, 2007-2009.

Pei-yu Lo, 2006 Ph.D. from Yale, Brown University, 2006-2007.

Geoffroy de Clippel, 2003 Ph.D. from CORE (Belgium), Brown University, 2003-2005.

X. Date: December 31, 2018