

Pablo T. Spiller

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EDUCATION

Ph.D., Economics	University of Chicago, 1980
M.A, Economics	University of Chicago, 1977
M.A, Economics (<i>cum laude</i>)	Hebrew University in Jerusalem, 1976
B.A, Economics (<i>cum laude</i>)	Hebrew University in Jerusalem, 1974
Economics and Business Administration	Universidad de la República (Uruguay), 1972

PREVIOUS POSITIONS

2011-2024	Senior Consultant, Compass Lexecon
1993-2011	Director, Co-Chair of International Arbitration practice, LECG

OTHER EXPERIENCE

	University of California, Walter A. Haas School of Business, Berkeley
2013-	Jeffrey A. Jacobs Distinguished Professor (Emeritus) of Business & Technology
2013-	Professor of Graduate Studies, University of California, Berkeley
2003 – 2013	Jeffrey A. Jacobs Distinguished Professor of Business & Technology, University of California, Berkeley
1995 - 2003:	Joe Shoong Professor of International Business and Professor of Business and Public Policy. University of California, Berkeley
2003 - 2023:	Research Associate, NBER

PROFESSIONAL AWARDS, RECOGNITION, AND PRIZES

2024	Named as “Global Thought Leaders in International Arbitration of 2024” by Who’s Who Legal.”
2023	Recipient of The Elinor Ostrom Lifetime Award granted by the Society for Institutional and Organizational Economics for “ <i>sustained significant academic contributions to institutional and organizational economics.</i> ”
2022	Named as “Global Thought Leaders in International Arbitration of 2023” by Who’s Who Legal.
2021	Named as “Global Thought Leaders in International Arbitration of 2022” by Who’s Who Legal.
2021	Recognized by Who’s Who Legal Mining 2022 - Experts as “One of the top in the US for mining disputes.”

2021	President, Board of Directors, Reaching U – A Foundation for Uruguay. (2021-2022)
2021	Named, Permanent Member (<i>Miembro Numerario</i>), National Academy of Economics, Uruguay
2020	President, Board of Directors, Reaching U – A Foundation for Uruguay, 2020-2022.
2020	Named as “Global Thought Leaders in International Arbitration of 2021” by Who’s Who Legal.
2019	Member, Board of Directors, Reaching U – A Foundation for Uruguay, 2019-.
2019	Named as “Global Thought Leaders in International Arbitration of 2020” by Who’s Who Legal.
2019	Appointed to the ICCA-ASIL Task Force on Damages in International Arbitration.
2019	Named as “Global Thought Leaders in International Arbitration of 2019” by Who’s Who Legal.
2018	Named as “Thought Leaders in International Arbitration of 2018” by Who’s Who Legal.
2017	Named as “Thought Leaders in International Arbitration of 2017” by Who’s Who Legal.
2017	Named one of the most highly regarded experts in Arbitration by Who’s Who Legal
2016	Named one of the most highly regarded experts in Arbitration by Who’s Who Legal
2015	Named one of the five most highly regarded experts in Arbitration by Who’s Who Legal.
2014	Named in Who’s Who Legal Arbitration: Expert Witnesses list
2013	Named in Who’s Who Legal Arbitration: Expert Witnesses list
2012	Named in Who’s Who Legal Arbitration: Expert Witnesses list
2011	Named in Who’s Who Legal Arbitration: Expert Witnesses list
2010	Named in Who’s Who Legal Arbitration: Expert Witnesses list
2003	Featured in “Who’s Who in Economics” 4th Ed., Eds. Blaug, M. and H. Vane, Edward Elgar Publishing, 2003.
1995	Featured in Mark Blaug and Paul Sturges, Eds, “Who is Who in Economics: A Bibliography Dictionary of Major Economists, 1700-1995,” MIT Press, Cambridge.

OTHER ACADEMIC EXPERIENCE

2011-2012	Visiting Professor of Law, Columbia University.
2010-2011	Visiting Professor of Law, New York University.
2003	Visiting Professor, ATOM, Université Paris I, Paris France.
1998-1999	Visiting Scholar, Fundación Gobierno y Sociedad, CEDI, Buenos Aires.
1998-1999	Visiting Professor, Universidad de San Andrés, Buenos Aires, Argentina.
1993-1995	University of California, Berkeley, Haas School of Business, Visiting Professor of Business and Public Policy.
1992-1993	Academic Director, World Bank Project on "Regulations, Institutions and Economic Efficiency".
1991-1992	Visiting Professor of Business, Haas Graduate School of Business, University of California, Berkeley.
1991-1992	Visiting Research Professor, Universitywide Energy Research Group, University of California, Berkeley.
1991-1992	Olin Foundation Fellow, Law School, University of California, Berkeley.
1990-1994	University of Illinois, Urbana-Champaign, Professor of Government and Public Affairs, Institute of Government and Public Affairs.
1989	Visiting Professor of Business Economics, Center for the Study of the Economy and the State, Graduate School of Business, University of Chicago.
1988-1990	Ameritech Research Fellow, Institute of Government and Public Affairs, University of Illinois.
1987-1994	University of Illinois, Urbana-Champaign, William B. McKinley Professor of Economics and Public Utilities.
1987-1989	Associate Professor of Economics, Department of Economics, University of Illinois.
1986-1987	Visiting Associate Professor of Economics, Department of Economics, Stanford University.
1985-1986	Visiting Associate Professor of Economics, Department of Economics, University of California, Berkeley, California.
1984-1987	Senior Research Fellow, Hoover Institution, Stanford University.
1983-1984	Tinker Postdoctoral Fellow, Department of Economics, University of Chicago.

- 1980-1984 Assistant Professor of Economics, Department of Economics, University of Pennsylvania.
- 1981 Visiting Assistant Professor, Tel Aviv University.
- 1975-1976 Researcher, Falk Institute for Economic Research in Israel, Jerusalem, Israel.
Member of the Falk Innovation Project Group.
- 1975 Visiting Researcher, Science Policy Research Unit, University of Sussex, Brighton, England.

OTHER PROFESSIONAL ACTIVITIES

- (1) President, Board of Directors, ReachingU – A foundation for Uruguay (2021-2022)
- (2) Member, Board of Directors, ReachingU - A Foundation for Uruguay (2019-)
- (3) Co-organizer, Annual Berkeley-Paris Workshop on the Economics of Organization (2015-)
- (4) International Society for New Institutional Economics:
 - President, 2009-2010.
 - President Elect, 2008-2009.
 - Vice President Elect, 2007-2008.
 - Member, Board of Directors, 2007-2010.
 - Chair, Program Committee, Annual Conference, 2009.
 - Program Committee, Annual Conference, 2001.
 - Program Committee, Annual Conference, 2000.
- (5) Member, Science Council, Global Adaptation Institute, 2011-2012.
- (6) Invited Editor, *Journal of Comparative Economics*, Special issue: Empirical Studies of the Judiciary. 2007.
- (7) Member, Board of Directors, Institute for Transnational Arbitration, 2006-present.
- (8) Member, Board of Advisors, The Independent Institute, 2005-present.
- (9) Member, Board of Advisors, The Center on Global Prosperity, The Independent Institute, 2005-present.
- (10) Member, Advisory Board, SSRN Advisory Board, Law and Positive Political theory, 2005-present.
- (11) Bradley Foundation, Fellowship Program Director at the University of California Berkeley. 2004-
- (12) Honorary Member, Argentine Association of Political Economy. 2003.
- (13) *Journal of Law, Economics and Organization*:
 - Editor in Chief, 2009-2013.
 - Co-Editor, 1994-2009.
 - Member, Board of Editors, 2014-.
- (14) Co-Editor, *Journal of Economics and Management Strategy*, 1991-2002.
- (15) Associate Editor, *Journal of Comparative Economics*, 2007-present.
- (16) Associate Editor, *Journal of Applied Economics*, 1998-present.
- (17) Associate Editor, *Journal of Policy Reform*, 1994-2002.

- (18) Associate Editor, *Journal of Industrial Economics*, 1993-1998.
- (19) Associate Editor, *Regulation Magazine*, 1999-present.
- (20) Member, Advisory Board, *The Utility Project*, 2003-2011.
- (21) Special Assistant to the Director, Bureau of Economics, Federal Trade Commission, January-July, 2002.
- (22) Chair, Business & Public Policy Group, Haas School of Business, 1995-2001.
- (23) American Law & Economics Association:
 - Member, Board of Directors, 1998-2001.
 - Program Committee, Meetings, 2001.
 - Program Committee, Meetings, 2000.
- (24) Nominating Committee, Western Economics Association, 2000.
- (25) Member, Academic Advisory Board, University CEMA, Buenos Aires, Argentina, 2000-present.
- (26) Member, Commission for the Selection of the President of ENER GAS, Argentina's Gas Regulatory Commission, 1998.
- (27) Member, Board of Advisors, Center for Institutional Analysis, Buenos Aires, Argentina, 1997-present.
- (28) Distinguished Research Fellow, SNF, Bergen, Norway, 1996-present.
- (29) Senior Fellow, Institute for Policy Reform, 1992-1998.
- (30) Member, Steering Committee, Annenberg Center for Telecommunications Policy, University of Pennsylvania, 1995.
- (31) Member, International Advisory Board, CERES, Uruguay.
- (32) Director, PRAIRIE, "Program for Research on American and International Regulatory Issues and Environment," Institute of Government and Public Affairs, University of Illinois, 1992-1994.
- (33) Founding Member, Electric Power Research Consortium, University of California, Berkeley, 1993-present.
- (34) Member, Organizing Committee, 1994 Winter Meetings of the North America Chapter of the Econometric Society.
- (35) Member, 1991 Nominating Committee, Western Economic Association.
- (36) Member, Organizing Committee, 1991 Summer Meetings of the Econometric Society, Punta del Este, Uruguay.

PUBLICATIONS

Books

- (1) Damages in International Arbitration under Complex Long Term Contracts, with Herfried Wöss, Adriana San Román Rivera, and Santiago Dellepiane, Oxford University Press, 2014.
- (2) El Juego Político En América Latina: ¿Cómo se deciden las Políticas Públicas?, Eds. with Scartascini, C., E. Stein, and M. Tommasi, BID, Mayol Ediciones, Colombia. 2011.
- (3) Policymaking in Latin America: How Politics Shapes Policies, Eds., with Stein, E., M. Tommasi and C. Scartascini, DRCLAS, Harvard University/InterAmerican Development Bank, Washington DC, 2008.
- (4) The Institutional Foundations of Public Policy: The Case of Argentina, with Mariano Tommasi, Cambridge University Press, 2007.
- (5) Institutions, Contracts and Regulation in Argentina, (in spanish) with Manuel Abdala, Temas, Buenos Aires, 2000.
- (6) Spilled Water: Institutional Commitment in the Provision of Water Services in Latin America, with W. Savedoff, Eds. Interamerican Development Bank, 1999. (translated into spanish)
- (7) Regulación de los Sectores de Infraestructura y Energéticos en México, (Infrastructure and Energy Regulation in Mexico) Eds. Spiller, PT and C. Sales, ITAM/Porrúa Grupo Editorial, México City, Mexico, 1999.
- (8) The Path Towards Rational Regulation in Latin America and the Caribbean: Issues, Concepts and Experience (Directions in Development) with J. Luis Guasch, *World Bank Directions in Development Series* 1999.
- (9) Regulations, Institutions and Commitment:: A Comparative Analysis of Telecommunications Regulation, Ed. with Brian Levy, Cambridge University Press. 1996
- (10) Strategy, Structure and Antitrust in the Carbonated Soft Drink Industry, with T. Muris and D. Scheffman, Quorum Books, 1993.

Articles

- (1) "Doing It by the Book: Political Contestability and Public Contract Renegotiation," with Marian Moszoro and Jean Beuve, *Journal of Law, Economics and Organization*, 2021.
- (2) "Political Contestability and Public Contracting," with Marian Moszoro, in *Journal of Public Economic Theory*, 2019, 21:945-966.
- (3) "Implications of Third Parties for Contract Design," with Marian Moszoro, *Journal of Industrial and Business Economics / Economia e Politica Industriale*. March 2018, 45: 5-16.
- (4) "Coase and the Transactions Cost approach to regulation," with Marian Moszoro, in Menard, C. and E. Bertrand, Eds., *The Elgar Companion to Ronald H. Coase*, Edward Elgar Publishing, Cheltenham, UK, 2016.
- (5) "Rigidity of Public Contracts," with Marian Moszoro and Sebastian Stolorz, *Journal of Empirical Legal Studies*, August 2016, 13: 396-427.
- (6) "The impact of consumer advocates on regulatory policy in the electric utility sector," with Fremeth, Adam R. and Guy L.F. Holburn, *Public Choice*, Vol 161, No. 1, (2014), Pages 157-181.
- (7) "Third-Party Opportunism and the Theory of Public Contracts: Operationalization and Applications," (2014), with Marian Moszoro, in Brousseau, E. and J.M Glachant, *The Manufacturing of Markets: Legal, Political and Economic Dynamics*, Cambridge University Press.
- (8) "Transactions Cost Regulation," *Journal of Economic Behavior and Organization*." (2013) Volume 89, Pages 232–242.
- (9) "Basic Economic Principles of Infrastructure Liberalization: A Transaction Cost Perspective," in *International Handbook of Network Industries – The Liberalization of Infrastructure*. Finger, M. and R.W. Künneke, Eds. Edward Elgar Publishing, MA, USA, 2011.
- (10) "Invalid Round Trips in Setting Pre-Judgment Interest in International Arbitration," (2011) with Abdala, M.A. and Pablo D. López Zadicoff, *World Arbitration & Mediation Review*, Vol:5, No:1, 1-21.
- (11) "How is it played in Latin America? Political Institutions, Negotiation Processes and Public Policy," with Scartascini, C., E. Stein, and M. Tommasi, Chapter 1 in *El Juego Político En América Latina: ¿Cómo se deciden las Políticas Públicas?*, Eds. with Scartascini, C., E. Stein, and M. Tommasi, BID, Mayol Ediciones, Colombia. 2011. (in spanish).
- (12) "A country without a course. How is public policy made in Argentina?, with M. Tommasi, Chapter 3, in *El Juego Político En América Latina: ¿Cómo se deciden las Políticas Públicas?*, Eds. with Scartascini, C., E. Stein, and M. Tommasi, BID, Mayol Ediciones, Colombia. 2011. (in spanish)
- (13) "Regulation: A Transaction Cost Perspective," *California Management Review*, Vol. 52, No.2, 2010: 147-158.

- (14) “An Institutional Theory of Public Contracts: Regulatory Implications,” in M. Ghertman and C. Menard, Eds. *Deregulation or Re-regulation: institutional and other approaches*, Edward Elgar Publishing. 2009.
- (15) “Chorzów’s Standard Rejuvenated Assessing Damages in Investment Treaty Arbitrations,” with Manuel A. Abdala, (2008), *Journal of International Arbitration*, 25(1): 103–120.
- (16) “Political Institutions, Policymaking Processes, and Policy Outcomes in Argentina,” with Mariano Tommasi, in *Policymaking in Latin America: How Politics Shapes Policies*, Eds., with Stein, E., M. Tommasi and C. Scartascini, DRCLAS, Harvard University/InterAmerican Development Bank, Washington DC, 2008.
- (17) “Political Institutions, Policymaking and Policy: An Introduction,” with Ernesto Stein and Mariano Tommasi, in *Policymaking in Latin America: How Politics Shapes Policies*, Eds., with Stein, E., M. Tommasi and C. Scartascini, DRCLAS, Harvard University/InterAmerican Development Bank, Washington DC, 2008.
- (18) “The Organizational Implications of Creativity: The US Film Industry in Mid-XXth Century,” with Ricard Gil, 50/1 *California Management Review*, 2007: 243-260.
- (19) “Strategic Judicial Decision Making,” with Rafael Gely, , Whittington, Keith E., E. Daniel Kelemen and Gregory A. Caldeira, Eds., *Oxford Handbook of Law and Politics*, Oxford University Press, 2008.
- (20) “Buy, Lobby or Sue: Interest Groups’ Participation in Policy Making – A Selective Survey,” with Sanny Liao, , Eric Brousseau and Jean-Michael Glachant, Eds. *New Institutional Economics*, Cambridge University Press, 2008.
- (21) “Chorzów’s Compensation Standard As Applied in ADC v. Hungary,” (2007), with Manuel A. Abdala, and Sebastian Zuccon, *The Institute for Transnational Arbitration*, Winter 2007 Vol. 21 No. 1.
- (22) “Airline Hubs: Costs, Markups and the Implications of Customer Heterogeneity,” in D. Lee, Editor, *Advances in Airline Economics*, Elsevier B.V., 2006.
- (23) “Judicial Lobbying: The Politics of Labor Law Constitutional Interpretation,” with M. Iaryczower and M. Tommasi, *American Political Science Review*, Vol 100, No. 1, 2006.
- (24) “Instability and Public Policy Making in Argentina,” Levitsky, S. and V. Murillo, eds. *The Politics of Institutional Weakness: Argentine Democracy in Comparative Perspective*, 2006.
- (25) “Institutional Changes in Emerging Markets: Implications for the Telecommunications Sector,” in Cave, M., S. Majumdar and I. Vogelsang, Eds. *Handbook of Telecommunications Economics*, Volume 2, 2006.

- (26) "The Institutions of Regulation," with M. Tommasi, in C. Menard and M. Shirley, Eds. *Handbook of Institutional Economics* 2005.
- (27) "Toward a Positive Theory of State Supreme Court Decision Making," with R.G. Vanden Bergh, *Business and Politics*, Vol 5. Issue 1, 7-43, 2003.
- (28) "The Evolution of Advanced Large Scale Information Infrastructure in the United States," with S.M. Greenstein and M.M. Lizardo, in Shampine, A. Ed., *Down to the Wire: Studies in the Diffusion and Regulation of Telecommunications Technology*, Nova Science Publishers, 2003.
- (29) "Damage Valuation in International Arbitration," (2003), with Manuel A. Abdala, *The American Review of International Arbitration*, Vol. 14, No. 4, 447:460.
- (30) "The Institutional Foundations of Public Policy: A Transactions Approach with Applications to Argentina," with M. Tommasi, Vol 19, No. 2, *Journal of Law, Economics and Organization*, 2003, pp: 281-306.
- (31) "Institutional or Structural, Lessons from International Electricity Sector Reforms," with Guy Holburn, Brousseau, E., and JM. Glachant, *The Economics of Contracts*, Cambridge University Press, 2002.
- (32) "Modeling Supreme Court Preferences in a Strategic Context," with Mario Bergara and Barak Richman, , *Legislative Studies Quarterly*, 2002.
- (33) "Professional Politicians – Amateur Legislators: The Argentine Congress in the XXth Century," with Mark Jones, Sebastian Saiegh, and Mariano Tommasi, Vol 46, No. 3, *American Journal of Political Science*, 2002, pp:656-669.
- (34) "Judicial Decision Making in Unstable Environments: Argentina 1938-1998", with Matias Iaryczower and Mariano Tommasi," Vol 46, No. 4, *American Journal of Political Sciences*," 2002, pp:699-716.
- (35) "The Death of the Internet," *Sloan Management Review*, 2002.
- (36) "Structure, Strategy and Regulation: Telecommunications in the New Economy," with R. deFigueiredo, , *Detroit Law Review*, 2001.
- (37) "Transaction Cost Economics: Its Influence on Organizational Theory, Strategic Management and Political Economy," with G.R. Carroll and D.J. Teece, in Carroll, G.R. and D.J. Teece, *Firms, Markets and Hierarchies: The Transaction Cost Economics Perspective*, Oxford University Press, Oxford: 1999.
- (38) "Strategic Instruments: Legal Structure and Political Games in Administrative Law," with Emerson Tiller, Vol 15, No. 2, *Journal of Law Economics and Organization*, 1999: 349-377.
- (39) "An Informational Perspective on Administrative Procedures," with Rui deFigueiredo and Santiago Urbiztondo, Vol 15, No. 1, *Journal of Law, Economics & Organization*, 1999:283-305.

- (40) "Towards a Property Rights Approach to Communications Spectrum", with C. Cardilli, Vol. 16, No.1 *Yale Journal of Regulation*, 1999: 53-84.
- (41) "Commitment and Governance in Infrastructure Sectors," with W. Savedoff, in F. Basanes, E. Uribe and R. Willig, Eds., *Can Privatization Deliver? Infrastructure for Latin America*, IADB, Washington DC: 1999.
- (42) "Competition and Direct Access in New Zealand's Electricity Market," with Mario Bergara, G. Zaccour Ed., *Deregulation of Electric Utilities*, Kluwer Press, 1998.
- (43) "The Frontier of Telecommunications Deregulation: Small Countries Leading the Pack," with Carlo Cardilli, Vol 11, No. 4, *Journal of Economic Perspectives*, 1997: 127-138.
- (44) "Regulatory Agencies and the Courts," P. Newman, Ed., *Palgrave Dictionary of Law & Economics*, 1997.
- (45) "Agency Discretion and Accountability in Regulation," P. Newman, Ed., *Palgrave Dictionary of Law & Economics*, 1997.
- (46) "Organizing Global Seamless Networks: Contracts, Alliances and Hierarchies," with Svein Ulset, forthcoming in E. Bohlin and S.L. Levin, Eds., *Telecommunications Transformation: Technology, Strategy, and Policy*, IOS Press, The Netherlands., 1997.
- (47) "What's in the Air: Interlicense Synergies and their Impact on FCC Broadband PCS Spectrum Auctions," with Patrick Moreton, Vol. XKI (2) *Journal of Law & Economics*, 1998: 677-716.
- (48) "Political Institutions and Electric Utility Performance: A Cross Nation Analysis," with Mario Bergara and Witold Henisz, Vol. 40, *California Management Review*, 1998:18+.
- (49) "The Introduction of Direct Access in New Zealand's Electricity Market," with Mario Bergara, Vol. 6, No.2., *Utility Policy*, 1997: 97-106.
- (50) "Product Complementarities, Capabilities and Governance: A Dynamic Transaction Cost Perspective," with B. Zelner, *Industrial and Corporate Change*, Vol 6, No. 3, 561-594, (1997).
- (51) "Regulation without Commitment: Price Regulation of UK Utilities (with special emphasis on telecommunications)," with Ingo Vogelsang, V. 153 No. 4, *Journal of Institutional and Theoretical Economics*, 1997: 607-629.
- (52) "Decision Costs and the Strategic Design of Administrative Processes and Judicial Review," with Emerson Tiller, Vol. 26, No. 2, *Journal of Legal Studies*, 1997: 347-370.
- (53) "Econometric Market Delineation," with D. Scheffman, *Managerial and Decision Economics*, 1996, pp. 165-178. Reprinted in Series in Managerial Economics, R. McChesney, Ed., J.M. Wiley, 1998.
- (54) "Invitations to Override: Congressional Reversals of Supreme Court Decisions," with Emerson Tiller, Vol. 16, No.4, *International Review of Law & Economics*, 1996: 503-521.
- (55) "A Positive Political Theory of Regulatory Instruments: Contracts, Administrative Law or Regulatory Specificity?," V. 69, N. 2, *USC Law Review*, 1996: 477-515.

- (56) "Institutions and Commitment," *Industrial and Corporate Change* (1996).
- (57) "Folk Theorems on Transmission Open Access: Proofs and Counterexamples," with S. Oren, P. Varaiya and F. Wu, *Journal of Regulatory Economics*, 10:5-23,(1996).
- (58) "Modern Telecommunications Infrastructure and Economic Activity: An Empirical Investigation" with S. Greenstein, *Industrial and Corporate Change* (1995).
- (59) "Nodal Prices and Transmission Rights: A Critical Appraisal," with S. Oren, P. Varaiya and F. Wu, 8(3) *The Electricity Journal*, April 1995, pp:24-35.
- (60) "The Effect of Incentive Regulation on Local Exchange Companies' Deployment of Digital Technology," with S. Greenstein, and S. McMaster, *Journal of Economics and Management Strategy*, 1995.
- (61) "How Not to Do It: Electricity Regulation in Argentina, Brazil, Chile and Uruguay," with L. Viana, in E. Kahn and R. Gilbert, Eds., *International Comparison of Electricity Regulations*, Cambridge: Cambridge University Press, 1995.
- (62) "Where is the Sin in Sincere: Sophisticated Voting in the Courts," with Matthew Spitzer, *Journal of Law Economics and Organization* (1995).
- (63) "Implementing Transmission Open Access: Comments on Transmission Pricing in Chile," *IEEE Transactions*, 1994.
- (64) "Regulations, Institutions and Commitment: The Case of Jamaica Telecommunications," with Cezley Sampson, in B. Levy and P. Spiller, Eds, *The Institutional Foundations of Regulatory Commitment*, Cambridge: Cambridge University Press, (1993).
- (65) "Regulations, Institutions and Commitment: The Case of British Telecom," with Ingo Vogelsang, in B. Levy and P. Spiller, Eds, *The Institutional Foundations of Regulatory Commitment*, Cambridge: Cambridge University Press, (1993).
- (66) "The Institutional Foundations of Regulatory Commitment: A Comparative Analysis of Five Country Studies of Telecommunications Regulation," with Brian Levy, *Journal of Law, Economics and Organization*, (1994). Reprinted in Oliver Williamson and Scott Masten, Eds, *Transaction Cost Economics*, International Library of Critical Writings in Economics.
- (67) "Political Appointees vs. Career Civil Servants: A Multiple-Principals Theory of Political Institutions," with S. Urbiztondo, *European Journal of Political Economy*, (1994).
- (68) "Fares and Network 'Feed': Estimating Economies of Traffic Density in Airline Hub-and-Spoke Networks," with J. Brueckner, *Journal of Law and Economics* (1994).
- (69) "Regulatory Commitment and Utilities' Privatization: Implications for Future Comparative Research," in Banks, J. and E. Hanusheck, Eds., *The Research Agenda in Political Economy*, University of Rochester (1993).
- (70) Book review of "Telecommunications Pricing: Theory and Practice," by Mitchell, M. Bridger and Ingo Vogelsang, *Journal of Economic Literature* (1993).

- (71) "Regulations, Institutions and Commitment in Telecommunications: A Comparative Study of Five Countries," with Brian Levy, *The World Bank Economic Review* (1993), 215-52. Reprinted in Cook P. and C. Kirkpatrick, Eds. *Privatisation in Developing Countries*, , Edward Elgar.
- (72) "Institutions and Regulatory Commitment in Utilities' Privatization," *Industrial and Corporate Change* (1993).
- (73) "A Positive Theory of Legislative Intent," with E. Schwartz and S. Urbiztondo, *Law and Contemporary Problems* (1993).
- (74) "Fare Determination in Airlines Hub-and-Spoke Networks," with J. Brueckner and N. Dyer, *Rand Journal of Economics*, Vol. 23, No. 3 (Autumn 1992), pp. 309-333.
- (75) "Congressional Control or Judicial Independence: The Determinants of U.S. Supreme Court Labor Decisions: 1949/1987," with R. Gely, *Rand Journal of Economics* (1992).
- (76) "Strategy and Transaction Costs in the Carbonated Soft Drink Industry," with T. Muris and D. Scheffman, *Journal of Economics and Management Strategy*, Vol. 1, No. 1 (Spring 1992), pp. 83-129. Reprinted in Scott Masten, *Economics of Contracts*.
- (77) "The Economics and Politics of Administrative Law and Procedures: An Introduction," with J. Ferejohn, *Journal of Law, Economics and Organization*, Vol. 8, No. 1 (1992), pp. 1-7.
- (78) "Judicial Choice of Legal Doctrines," with M. Spitzer, *Journal of Law, Economics and Organization*, Vol. 8, No. 1 (1992), pp. 8-46.
- (79) "The Political Economy of Supreme Court Constitutional Decisions: The Case of Roosevelt's Court Packing Plan," with R. Gely, 12 *International Review of Law and Economics* (1992), pp. 45-67.
- (80) "Buyers' Strategies, Competition, and Entry Barriers," with D. Scheffman, *Economic Inquiry*, Vol. XXX, No. 3 (1992), pp. 418-436.
- (81) "Rationality, Decision Rules and Collegial Courts," *International Review of Law and Economics* (1992).
- (82) "Agency Discretion under Judicial Review," in Formal Theory of Politics II: Mathematical Modelling in Political Science, Vol. 16, No. 8/9, *Mathematical and Computer Modelling*, (1992), pp. 185-200.
- (83) "A Congressional Theory of Indian Property Rights: The Cherokee Outlet," with L. Alston, *Property Rights and Indian Economics*, T. Anderson (ed.), Landham, Maryland: Rowman and Littlefield Publishers, Inc., (1991).
- (84) "Competition and Mergers in Network Airlines," with J. Brueckner, 9 *International Journal of Industrial Organization* (1991), pp. 323-42.
- (85) "The Timing and Sequencing of a Trade Liberalization Policy: The Case of Uruguay," with E. Favaro, *Liberalizing Foreign Trade: The Experience of Argentina, Chile and Uruguay*, M. Michaely (ed.), New York: Basil Blackwell Inc., (1991).

- (86) "Government Institutions and Regulatory Policy: A Rational Choice Analysis of Telecommunications Deregulation," P. Quirck and R. Rich, *Understanding and Improving Public Decision Making*, IGPA, University of Illinois (1990).
- (87) "A Rational Choice Theory of Supreme Court Statutory Decisions, with Applications to the State Farm and Grove City Cases," with R. Gely, 6 *Journal of Law, Economics and Organization* (1990), pp. 263-301. Reprinted in Oliver Williamson and Scott Masten, *Transaction Cost Economics*, International Library of Critical Writings in Economics (1995).
- (88) "Agency and the Role of Political Institutions," *Information and Democratic Process*, J. Ferejohn and J. Kuklinsky (eds.), University of Illinois Press, Urbana, Illinois (1990).
- (89) "Politicians, Interest Groups and Regulators: A Multiple Principals Agency Theory of Regulation, (or Let Them Be Bribe)," XXXIII *Journal of Law and Economics* (April 1990), pp. 65-101.
- (90) "Competition and Entry in Small Airline Markets," with P. Reiss, XXXII *Journal of Law and Economics* (December 1989), pp. S179-S202.
- (91) "Empirical Approaches to Market Power," with D. Scheffman, XXXII *Journal of Law and Economics* (December 1989), pp. S3-S10.
- (92) "A Note on Pricing on Hub-And-Spoke Networks," 30 *Economics Letters* (1989), pp. 165-169.
- (93) "Arbitrage During the Dollar-Sterling Gold Standard, 1890-1908: An Econometric Perspective," with R. Wood, *Journal of Political Economy*, Vol. 96, No. 4 (August 1988), pp. 882-892.
- (94) "The Estimation of Transaction Costs in Arbitrage Models," with R. Wood, 39 *Journal of Econometrics* (1988), pp. 309-326.
- (95) "Incentive Schemes with Multiple Agents and Bankruptcy Constraints," with J. Demski and D. Sappington, *Journal of Economic Theory*, Vol. 44, No. 1 (February 1988), pp. 156-167.
- (96) "The Political Economy of Industrial Regulations: A Survey with Implications for Regulation Studies in Developing Countries," Special Anniversary Issue, Vol. 15, No. 3, *Estudios de Economía*, Vol. XV, No. 3 (December 1988), pp. 419-470.
- (97) "Geographic Market Definition Under the DOJ Merger Guidelines," with D.T. Scheffman, XXX *Journal of Law and Economics* (April 1987), pp. 123-147.
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- (105) "Futures Market Backwardation Under Risk Neutrality," with T. Bresnahan, *Economic Inquiry* (July 1986), pp. 429-442.
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- (111) "Regulating by Partial Deregulation: The Case of Telecommunications," with G. Knieps, *Administrative Law Review* (October 1983).
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INTERNATIONAL ARBITRATION AND CONTRACTUAL DISPUTES

- 2024- **Ports:** Expert testimony in a contractual dispute involving the termination of a port concession in Djibouti.
- 2023- **Telecommunications:** Expert advice involving the renewal of a wireless license in a Latin American country.
- 2023- **Mining:** Expert testimony involving investments in the mining sector in Peru.
- 2023- **Financial Sector:** Expert testimony involving investment in the banking and industrial sector in Venezuela.
- 2022- **Ports:** Expert testimony in a dispute involving a port in Cuba.
- 2022- **Oil:** Expert testimony in an ICSID arbitration regarding the expropriation of an oil production and refining project in Peru.
- 2022- **Mining:** Expert testimony in a HKIAC shareholding dispute involving investments in a polymetallic mining and processing project in the Republic of Congo.
- 2022- **Construction:** Expert testimony in an ICC construction dispute involving a project in Mexico.
- 2021- **Electricity:** Expert testimony in an ICSID dispute involving investments in a coal power plant in the Netherlands.
- 2021- **Aerospace:** Expert testimony in an ICSID dispute involving investment in an aircraft engine manufacturing company in the Ukraine.
- 2021- **Electricity:** Expert testimony in local courts involving the alleged closing requirement of a coal power plant in the Netherlands.
- 2021- **Ports:** Expert testimony in an ICSID dispute involving a port operation concession in Belgium.
- 2021- **Contract Termination:** Expert testimony in a commercial dispute involving the interpretation of a contract termination clause.
- 2020- **Construction:** Expert testimony in a commercial dispute involving the construction of a power plant in Peru.
- 2020- **Ports:** Expert testimony in a dispute involving a Cruise port in Cuba.
- 2020- **Mining:** Expert testimony in an ICSID arbitration involving investments in mining in Perú.
- 2020- **Electricity:** Expert testimony in an ICC arbitration involving investment in electricity in Mexico.

- 2019- **Renewable Energy:** Expert testimony in an ICSID arbitration involving investments in construction and operation of renewable energy projects in Perú.
- 2019- **Telecommunications:** Expert testimony in an ICSID arbitration involving investments in the telecommunications sector in Georgia.
- 2019- **Mining:** Expert testimony in an ICSID arbitration involving investments in off-shore mining in Mexico.
- 2019- **Energy:** Expert testimony in a NAFTA arbitration involving investments in off shore oil field services in Mexico.
- 2019- **Manufacturing:** Expert testimony involving a commercial dispute in the manufacturing sector in Peru.
- 2019- **Construction:** Expert testimony in an ICSID arbitration involving investments in the construction industry in Ecuador.
- 2019- **Construction:** Expert testimony in a commercial arbitration involving investments in the construction industry in Panama.
- 2019- **Manufacturing:** Expert testimony in an ICSID arbitration involving investments in manufacturing industries in South Korea.
- 2019- **Renewable Energy:** Expert testimony in an Energy Charter arbitration involving investments in construction and operation of renewable energy projects in Poland.
- 2018- **Construction** Expert testimony in an ICSID arbitration involving investments in construction and operation of infrastructure projects in Latin America.
- 2018- **Gold:** Expert advice on involving investments in a gold mine in Latin America.
- 2018- **Aviation:** Expert testimony in an ICSID arbitration involving investments in the aviation sector in Lebanon.
- 2018- **Textiles:** Expert testimony in an ICSID arbitration involving investments in the textile industry in Uzbekistan.
- 2018- **Telecommunications:** Expert advice involving investments in telecommunications in Israel.
- 2018- **Energy:** Expert testimony in a shareholders' dispute in the energy sector in Brazil.
- 2018- **Ports:** Expert testimony in a commercial arbitration involving port investments in Africa.
- 2018- **Energy:** Expert advice in an ICC arbitration involving the energy sector in Peru.
- 2017- **Coal:** Expert testimony in an ICSID arbitration involving coal investments in Colombia.

- 2017- **Renewable Energy:** Expert advice involving investments in a renewable energy project in Poland.
- 2017- **Information infrastructure:** Expert testimony in a contractual dispute involving investments in an information infrastructure operator in Brazil.
- 2017- **Pharmaceutical:** Expert testimony in a contractual dispute involving investments in the pharmaceutical industry in Mexico.
- 2017- **Renewable Energy:** Expert advice involving investments in a renewable energy claim in Spain.
- 2017- **Renewable Energy:** Expert advice involving investments in the renewable energy sector in Spain.
- 2017- **Telecommunications:** Expert testimony in ICSID arbitration regarding expropriation of investments in wireless telecommunication in Canada.
- 2017- **Gold:** Expert testimony in ICSID arbitration regarding expropriation of investments in a gold mine in Romania.
- 2016- **Gold:** Expert testimony in an ICC arbitration regarding breach of contract in Ghana.
- 2016- **Telecommunications:** Expert testimony in an LCIA arbitration regarding a shareholders' dispute involving a telecommunications company in Kazakhstan.
- 2016- **Gold:** Expert testimony in ICSID arbitration regarding expropriation of investments in a gold mine in Venezuela.
- 2016- **Telecommunications:** Expert testimony in a NAFTA arbitration regarding investments in the telecommunications sector in Mexico.
- 2016- **Renewable Energy:** Expert testimony in an ICSID arbitration involving investments in the renewable energy sector in Spain.
- 2016- **Food Distribution and Retail:** Expert testimony in an ICSID arbitration regarding investments by Spanish investors in the food distribution and retail sector in Venezuela.
- 2016- **Renewable Energy:** Expert testimony in an ICSID arbitration involving investments in the renewable energy sector in Croatia.
- 2016- **Energy:** Expert testimony in a IACAC arbitration regarding the terms of a crude oil service contract purchase in Peru.
- 2016- **Telecommunications:** Expert testimony in an ICSID arbitration regarding a mobile telecommunications operator in Canada.
- 2016- **Gaming:** Expert testimony in NAFTA arbitration regarding investments in gaming facilities in Mexico.

- 2016- **Telecommunications:** Valuation of damages to a telecommunications company from imposition of license restrictions in Iraq.
- 2016- **Media:** Valuation of damages from manipulation of sport TV distribution rights worldwide.
- 2015- **Renewable Energy:** Expert testimony in various ICSID arbitrations regarding investments in the renewable energy sector in the Czech Republic.
- 2015- **Renewable Energy:** Expert testimony in an ICSID arbitration regarding investments in the renewable energy sector in Spain.
- 2015- **Energy:** Expert testimony in an ICSID arbitration regarding damages arising from the termination of crude oil operational and participation contracts in Ecuador.
- 2015- **Ports:** Expert testimony in a contractual dispute in the London High Court involving the termination of port concession in Djibouti.
- 2015- **Energy:** Expert testimony in an ICSID arbitration regarding investments in offshore natural gas in Israel.
- 2015- **Finance:** Expert testimony in an ICC arbitration involving a shareholding dispute in a conglomerate in Kuwait.
- 2014- **Energy:** Expert testimony in an ICSID arbitration involving investments in the energy sector in Croatia.
- 2014- **Energy:** Expert testimony in a UNCITRAL arbitration involving investments in the energy sector in Croatia.
- 2014- **Renewable Energy:** Expert testimony in an ICSID arbitration regarding investments in the renewable energy sector in Spain.
- 2014- **Renewable Energy:** Expert testimony in an ICSID arbitration regarding investments in the renewable energy sector in Spain.
- 2013- **Food Products:** Expert testimony in an ICSID arbitration regarding investments by Mexican investors in the food processing sector in Venezuela.
- 2013- **Meat Processing:** Expert testimony in an ICSID arbitration regarding investments by Austrian investors in the meat processing sector in Croatia.
- 2013- **Financial Services:** Expert testimony in an ICSID arbitration regarding investments by a Chinese investor in the financial sector in Belgium.
- 2013- **Port Services:** Expert testimony in an ICSID arbitration regarding investments by a Jordanian investor in a liquids port in the Mediterranean coast of Egypt.
- 2013- **Port Services:** Expert testimony in an ICSID arbitration regarding investments by a Jordanian investor in a liquids port in the Red Sea, in Egypt.

- 2013- **Logistics:** Expert testimony in an ICSID arbitration regarding investments by a Jordanian investor in Egypt.
- 2013- **Telecommunications:** Expert advice in an ICSID arbitration regarding investments by a Luxembourg investor in Algeria.
- 2013- **Construction:** Expert testimony in a commercial arbitration regarding construction of a hydroelectric dam in Panama.
- 2012- **Food Products:** Expert testimony in an ICSID arbitration regarding investments by US investors in a food company in Poland.
- 2012- **Energy:** Expert testimony in an ICSID arbitration regarding investments by a Spanish investor in an integrated energy company in Argentina.
- 2012- **Ceramics:** Expert testimony in an ICSID arbitration regarding investments in a ceramic proppant plant in Venezuela.
- 2012- **Electricity:** Expert advice in a dispute involving lack of tariff pass-through for an electricity distribution company in Argentina.
- 2012- **Electricity:** Expert advice in a dispute involving lack of payment for electricity sales by an electricity generation company in Argentina.
- 2012- **Cement:** Expert testimony in an ICC arbitration involving a shareholders' dispute in a cement company in Bolivia.
- 2012 **Electricity:** Expert advisory role in a dispute concerning the lack of pass-through to tariffs of increases in costs faced by a regulated electricity distributor located in Argentina.
- 2012 **Electricity:** Expert advisory role in a dispute concerning the lack of payments of electricity sales by a power generator located in Argentina.
- 2012- **Fertilizers:** Expert advice in an ICSID arbitration regarding investments in a fertilizer plant in Venezuela.
- 2012- **Ports:** Expert testimony in an ICSID arbitration regarding investments in port facilities in Peru.
- 2012- **Luxury goods:** Expert advice in a shareholder dispute in the luxury watch industry.
- 2011- **Tourism:** Expert advice in an ICSID arbitration regarding investments in the casino/hospitality sector in Hungary.
- 2011- **Iron Manufacturing:** Expert testimony in an ICSID arbitration regarding investments in iron manufacturing in Venezuela.
- 2011- **Methanol:** Expert testimony in an ICC arbitration regarding a shareholder dispute in a methanol company in Trinidad Tobago.

- 2011- **Finance:** Expert advice in a UK based litigation regarding value of inflation adjusted bonds.
- 2011- **Natural Gas Transportation:** Expert testimony in an ICSID arbitration regarding investments in natural gas transportation in Argentina.
- 2011- **Telecommunications:** Expert advice in a dispute involving a leverage buy out cancellation in the Telecommunications sector in Canada.
- 2011- **Natural Gas:** Expert testimony in ICSID arbitration regarding investments in natural gas distribution in Argentina.
- 2011- **Water:** Expert advice in a commercial arbitration involving a water and sewage company in Hungary.
- 2011- **Gold:** Expert testimony in ICSID arbitration regarding expropriation of investments in a gold mine in Venezuela.
- 2011- **Cement:** Expert testimony in ICSID arbitration regarding expropriation of investments in cement production facilities in Venezuela.
- 2010- **Airports:** Expert advice in an arbitration related to investment in an airport concession contract in Bolivia.
- 2010- **Pharmaceuticals:** Expert testimony in an arbitration regarding alleged investment treaty violations in the pharmaceutical industry in Poland.
- 2010- **Railroads:** Expert testimony in an arbitration regarding alleged investment treaty violations in the railroad industry in Guatemala.
- 2010- **Natural Gas:** Expert testimony in a commercial arbitration regarding disputes concerning price adjustment in natural gas contracts in Southern Europe.
- 2010- **Electricity:** Expert testimony in the European Court of Human Rights concerning damages due to the termination of a company's licenses for the generation, transmission and distribution of electricity in Turkey.
- 2010- **Flour industry:** Expert advice in a treaty arbitration regarding disputes about the alleged expropriation of a fish flour production enterprise in Peru.
- 2010- **Electricity/Natural Gas:** Expert advice in an arbitration regarding alleged investment treaty violations as it relates to a natural gas field and a power plant located in Ecuador.
- 2010- **Crude oil:** Expert advice in an arbitration regarding investment treaty violations as it relates to transport and storage facilities for hydrocarbon products and derivatives located in Bolivia.
- 2010- **Aviation:** Expert testimony in an ICSID arbitration regarding the expropriation of investments in two airlines in Argentina.

- 2009- **Electricity:** Expert testimony in an ICSID arbitration regarding investments in two power barges in Ecuador.
- 2009- **Electricity:** Expert testimony in an ECT arbitration involving a French investor in various power plants in Hungary.
- 2009- **Gas Compression:** Expert testimony in an ICSID arbitration involving a US investor in gas compression facilities in Venezuela.
- 2009- **Steel:** Expert testimony in an ICC arbitration involving the termination of an off-take agreement, UK.
- 2009- **Natural Gas:** Expert testimony in an international arbitration, under the rules of the Stockholm Chamber of Commerce, involving the non performance of a natural gas delivery contract between an Ukrainian supplier and an Italian purchaser.
- 2009- **Construction:** Expert testimony in an international arbitration, under the rules of the ICC, involving the breach of a toll concession contract by the Government of the Dominican Republic.
- 2009- **Finance:** Expert testimony in a Canadian litigation involving the termination of a merger agreement.
- 2009- **Crude Oil:** Expert testimony in an ICC arbitration involving a shareholder dispute in a crude oil joint venture in Venezuela.
- 2009- **Energy:** Expert testimony in an ICSID arbitration involving crude oil and natural gas investments in Bolivia.
- 2009- **Food Products:** Expert testimony in a US litigation involving a contract termination between a US soft drink concentrate producer and a Peruvian bottler.
- 2009- **Natural Gas:** Expert testimony in an ICC Arbitration involving a dispute between shareholders in a natural gas marketing arrangement in a Caribbean country.
- 2009- **Energy:** Expert testimony in a Political Risk Insurance Arbitration, concerning expropriation of investments in natural gas and electricity in Chile and Argentina.
- 2008- **Telecommunications:** Expert testimony, in an International Arbitration under the ICSID Convention, concerning expropriation of investments of a Dutch investor in the telecommunications sector in Senegal.
- 2008- **Insurance:** Advisor, in an International Arbitration under the ICSID Convention, concerning expropriation of investments of a Dutch investor in the insurance market in Poland.
- 2008- **Crude Oil:** Expert testimony in an ICSID arbitration, concerning investments of a US crude oil company in Ecuador.
- 2008- **Natural Gas:** Advisor, in an ICC case involving a contractual dispute between an Argentine natural gas producer and a Chilean industrial user.

- 2008- **Electricity:** Expert testimony, in an International Arbitration under the Energy Charter Treaty and the ICSID Convention, concerning alleged expropriation of investments of a Cypriot investor in the electricity sector in Turkey.
- 2008- **Water Services:** Advisor, in an International Arbitration under Bilateral Investment Protection Treaties, concerning expropriation of investments of a US investor in water distribution in the Province of Mendoza, Argentina.
- 2008 **Natural Gas:** Expert testimony, in case involving a US natural gas company suing a political risk insurance broker for misrepresentation on the extent of PRI coverage. US federal courts.
- 2008- **Tourism:** Advisor, in an International Arbitration under Bilateral Investment Protection Treaties, concerning expropriation of an Austrian investor in the Hotel/Tourism sector in Ukraine.
- 2008- **Energy:** Expert testimony, in an International Arbitration under Bilateral Investment Protection Treaties, concerning expropriation of investments of a UK investor in the energy sector in Russia.
- 2008- **Road Construction:** Expert testimony, in an International Arbitration under the ICSID convention, concerning expropriation of investments of a German investor in a bridge in Rosario, Argentina.
- 2007- **Water Services:** Expert testimony, in an International Arbitration under Bilateral Investment Protection Treaties, concerning expropriation of investments of a Spanish/Italian consortium in water distribution in the Province of Buenos Aires, Argentina.
- 2007- **Electricity:** Expert testimony, in an International Arbitration in front of the ICC, concerning implementation of an Award related to the termination of a power purchase agreement in El Salvador.
- 2007- **Agroindustry:** Expert testimony, in an International Arbitration under NAFTA Treaty, concerning expropriation of a US investor in the agroindustry sector in Canada.
- 2007- **Water Services:** Expert testimony, in an International Arbitration under Bilateral Investment Protection Treaties, concerning expropriation of investments of a US investor in water distribution in the Province of Mendoza, Argentina.
- 2007- **Food Products:** Expert testimony, in an International Arbitration under NAFTA Treaty, concerning expropriation of a US investor in the food sector in Mexico.
- 2007- **Electricity:** Expert testimony, in an International Arbitration under Bilateral Investment Protection Treaties, concerning expropriation of an investor in the Electricity sector in Ecuador.
- 2007- **Electricity:** Expert testimony, in an International Arbitration under the European Energy Charter, concerning expropriation of an investor in the Electricity sector in Hungary.

- 2007- **Tourism:** Expert testimony, in an International Arbitration under Bilateral Investment Protection Treaties, concerning expropriation of an Italian investor in the tourism sector in Egypt.
- 2007- **Natural Gas:** Expert testimony, in an International Arbitration under International Chamber of Commerce rules, involving a natural gas export contract dispute between an Argentine supplier and a Chilean customer.
- 2007- **Petroleum:** Expert testimony, in an International Arbitration under Bilateral Investment Protection Treaties, concerning expropriation of a Dutch investor in the petroleum production sector in Venezuela.
- 2006- **Finance:** Expert testimony, in an International Arbitration under Bilateral Investment Protection Treaties, concerning expropriation and/or unfair treatment of a German investor in the Argentinean finance sector.
- 2006- **Natural Gas:** Expert testimony, in an International Arbitration case involving a natural gas export contract dispute between a group of Argentinean suppliers and Chilean consumers.
- 2005- **Electricity:** Expert testimony, in a Political Risk Insurance case, concerning expropriation of an US investor in the electricity generation sector in Colombia.
- 2005- **Petroleum:** Expert testimony, in an International Arbitration under Bilateral Investment Protection Treaties, concerning expropriation of a Dutch investor in the petroleum production sector in Venezuela.
- 2005- **Crude Oil and Natural Gas:** Expert testimony, in an International Arbitration under Bilateral Investment Protection Treaties, concerning expropriation of an US investor in the oil and gas sector in Bolivia.
- 2005- **Crude Oil and Natural Gas:** Expert testimony, in an International Arbitration under Bilateral Investment Protection Treaties, concerning expropriation of a German investor in the oil and gas sector in Argentina.
- 2005- **Natural Gas:** Expert testimony, in an International Political Risk Insurance Arbitration, concerning expropriation of a US investor in gas distribution in Argentina.
- 2005- **Forestry:** Expert testimony, in a contract dispute involving alleged damages due to environmental degradation of a forest area in northern Argentina by a gas exploration company.
- 2005- **Finance:** Expert testimony, in an International Arbitration under Bilateral Investment Protection Treaties, concerning expropriation of a US investor in the reinsurance sector in Argentina.
- 2004- **Electricity:** Expert testimony in an expropriation dispute over an investment of a Chilean investor in the distribution electricity sector in Argentina. Arbitration held under ICSID rules.

- 2004- **Energy:** Expert testimony in an unfair treatment dispute over the investment of a French investor in the production of electricity, crude oil and natural gas in Argentina. Arbitration held under ICSID rules.
- 2004- **Telecommunications:** Expert testimony, in an ICC Arbitration concerning a shareholders' dispute between Italian and a Brazilian holding in the telecommunications industry in Brazil.
- 2004- **Telecommunications:** Expert testimony, in an International Arbitration under Bilateral Investment Protection Treaties, concerning expropriation of a Spanish investor in the telecommunications sector in Argentina.
- 2004- **Electricity and Natural Gas:** Expert testimony, in an Arbitration under Bilateral Investment Protection Treaties, concerning expropriation of an US investor in the energy sector in Ecuador.
- 2004 **Petroleum:** Expert testimony, in an ICC arbitration concerning termination of a oil loading terminal operation contract in Venezuela.
- 2004- **Energy:** Expert testimony, in an International Arbitration under Bilateral Investment Protection Treaties, concerning expropriation of a US investor in the crude oil, gas and electricity generation sectors in Argentina.
- 2004- **Airports:** Expert testimony in an Arbitration under Bilateral Investment Protection Treaties, concerning expropriation of a Cyprus investor in Hungary.
- 2004- **Natural Gas:** Expert testimony in expropriation claim over natural gas distribution assets of a Spanish investor in Argentina. Arbitration held in Washington DC, under ICSID rules.
- 2003- **Electricity:** Economic advice in an international arbitration in front of the International Chamber of Commerce. Case concerns termination of a power purchase agreement in Brazil.
- 2003- **Electricity:** Expert testimony, in an international arbitration concerning interpretation of a transmission contract agreement in El Salvador, under UNCITRAL rules.
- 2003- **Electricity Distribution:** Expert testimony in an Arbitration under Bilateral Investment Protection Treaties, concerning expropriation of an French investor in electricity distribution in Argentina.
- 2003- **Electricity Distribution:** Expert testimony in an Arbitration under Bilateral Investment Protection Treaties, concerning expropriation of investments in electricity distribution in Mendoza, Argentina.
- 2003- **Natural Gas Transport:** Expert testimony in an International Arbitration under Bilateral Investment Protection Treaties, concerning expropriation of a US investor in natural gas transportation, in Argentina.

- 2003- **Electricity:** Expert testimony in an International Arbitration under Bilateral Investment Protection Treaties, concerning expropriation of a US investor in electricity distribution and generation, in Argentina.
- 2003 **Water Services:** Expert testimony, in an International Arbitration case under UNCITRAL rules, involving the early termination of water distributions service concession, in Manila, Philippines.
- 2003- **Energy:** Expert testimony, in an International Arbitration under Bilateral Investment Protection Treaties, concerning expropriation of a US investor in crude oil, natural gas generation, and electricity, in Argentina.
- 2003- **Electricity Generation:** Expert testimony, in an international Political Risk Insurance claim involving expropriation of investments in an electricity generation company in Colombia.
- 2003- **Electricity:** Expert testimony in an International Arbitration under Bilateral Investment Protection Treaties, concerning expropriation of investments in electricity distribution, and electricity transmission in Argentina under the Luxembourg-Argentina investment treaty.
- 2002- **Water Services:** Expert testimony, in an International Arbitration under Bilateral Investment Protection Treaties, concerning expropriation of investments of a French-Spanish-British consortium in water distribution in the Province of Santa Fé, Argentina.
- 2002- **Water Services:** Expert testimony, in an International Arbitration under Bilateral Investment Protection Treaties, concerning expropriation of investments of a French-Spanish-British consortium in water distribution in the Province of Córdoba, Argentina.
- 2002- **Water Services:** Expert testimony, in an International Arbitration under Bilateral Investment Protection Treaties, concerning expropriation of investments of a French-Spanish-British consortium in water distribution, Argentina.
- 2002- **Natural Gas Distribution:** Expert testimony, in an International Arbitration under Argentina/US bilateral investment treaty, concerning expropriation of investments by US and Italian investors in two gas distribution companies, Argentina.
- 2002-2004 **Water Services:** Expert testimony, in an Arbitration under Argentina/US bilateral investment treaty, concerning expropriation of a US investors' investments in water distribution, in the Province of Buenos Aires, Argentina.
- 1999-2001 **Electricity:** Expert testimony, in an International Arbitration involving the termination of an Electricity Contract in El Salvador.

REGULATION

2019	Electricity: Development of regulatory proposals for New Zealand's electricity transmission.
2015	Electricity: Assessment of New Zealand's Electricity Authority's proposal for reforming electricity transmission charges.
2007	Telecommunications: Assessment of price cap for a major telecommunications provider in Peru.
2006	Natural Gas: Analysis of relevant competitive prices for a natural gas contract between Argentine producers and Chilean customers.
2004	Electricity: Auditing of bidding practices by an Argentine generator.
2003-2004	Telecommunications: Consultant, Auditing of competitive conditions in local and long distance markets, in Argentina (client A).
2003-2004	Telecommunications: Consultant, Auditing of competitive conditions in local and long distance markets in Argentina (client B).
2003-2004	Electricity: OSINERG, Consultant on wholesale market regulation, Peru.
2001	Electricity: Consultant, Bankruptcy and reorganization of a California utility.
2001	Water Services: Consultant, Audit of Regulatory Model in the framework of contract renegotiation, Province of Buenos Aires, Argentina.
2001	Telecommunications: Communications Regulatory Unit, Uruguay, Consultant, design and implementation of spectrum auction, Uruguay.
2001	Telecommunications: Communications Regulatory Unit, Uruguay, Consultant, design of spectrum management policy, Uruguay.
2001	Telecommunications: Consultant, Entry strategy in new markets, Argentina.
2000	Telecommunications: Consultant, Mexico, Interconnection Policies.
2000	Regulatory Accounting: Office of Budget and Planning, Uruguay, Consultant, Regulatory Accounting.
2000	Electricity: Consultant, reform of electricity regulation in El Salvador.
2000	Airlines: Consultant, Impact of Regulations on Operational Efficiency.
2000	Water Services: Colombia's Water Regulatory Agency, Consultant, Reform of Water and Sewerage Regulation.
2000	Regulatory Reform: Secretary of Energy, Argentina, Consultant, Reform of Argentina's Regulatory Sector.

2000	Telecommunications: Consultant, Pricing of Internet Services.
1999	Pension Systems: Central Bank of Uruguay/Association of Pension Funds, Uruguay/InterAmerican Development Bank, Consultant on Regulatory Issues in the Pension Funds Industry in Uruguay.
1999	Telecommunications: Superintendency of Telecommunications, Consultant, implementation of operator selection, Guatemala.
1999	Electricity Transmission: Consultant, Competition in Transmission Services, New Zealand.
1999	Telecommunications: Consultant, Policy Towards Price Cap Regulation, Argentina.
1999	Telecommunications: Consultant, Universal Service, Argentina.
1999	Telecommunications: Superintendency of Telecommunications, Guatemala, Consultant, Competition Issues in Guatemala.
1999	Telecommunications: Superintendency of Electricity and Telecommunications, El Salvador, Consultant, Review of SIGET's performance, in El Salvador.
1998-1999	Water Services: Consultant, ETOSS, Issues Concerning the Renegotiation of a Concession in the Gran Buenos Aires Region, Argentina.
1998	Natural Gas: Member, Selection Commission, President of Gas Regulatory Agency, Argentina, Ministry of Economics.
1997-1998	Telecommunications: Telecommunications Regulatory Commission, Colombia, Consultant, Design of Efficient Access Charges for Local Exchange and Rural Companies.
1997-1998	Telecommunications: Government of Norway, Consultant, Need for Unbundling in Norway.
1997-1999	Electricity Transmission: Consultant, Determinants of Optimal Quality of Distribution and Transmission Services, New Zealand.
1997	Telecommunications: Government of Nicaragua, Consultant, Telecommunications Policy.
1997-1998	Telecommunications: Costa Rica, Consultant, Telecommunications Reform.
1997	Natural Gas: Comisión Intersecretarial de Desincorporación, México, Consultant, Reform of Gas Distribution.
1997-2000	Telecommunications: Government of Norway, Consultant, Telecommunications Regulation and Interconnection Policies.
1997-1998	Telecommunications: ANTEL, El Salvador, Consultant, Interconnection policies.

1997-1998	Telecommunications: Superintendencia de Telecomunicaciones, Guatemala, Consultant, Spectrum Privatization and Spectrum Auction Design.
1997	Postal Services: Ministry of Economics, Argentina, Consultant, Post Office Regulation and Privatization.
1997	Airports: Ministry of Economics, Argentina, Consultant, Airports Regulation and Privatization.
1997-1999	Water Services: InterAmerican Development Bank, Academic Director, Project on The Political Economy of Water Regulation in Latin America.
1996	Water Services: ETOSS, Argentina, Consultant, Water Services Regulation.
1996-1999	Electricity: Consultant, Transmission Pricing in New Zealand.
1996-1997	Telecommunications: Government of El Salvador, Consultant, Drafting of Telecommunications Regulations.
1996-1997	Telecommunications: GUATEL, Guatemala, Consultant, Interconnection and Unbundling Policies.
1996	Electricity: Government of Argentina, Consultant, Analysis of Electricity Regulation and Practice.
1996	Telecommunications: Government of Panama, Consultant, Telecommunications Regulation Policies.
1996	Water Services: Government of El Salvador, Consultant, Water Regulation.
1996	Telecommunications: GUATEL, Guatemala, Consultant, Drafting of Telecommunications Legislation.
1996	Telecommunications: Government of El Salvador, Consultant, Drafting of Telecommunications Legislation and Development of Industry and Regulatory Reform.
1996	Electricity: Government of El Salvador, Consultant, Drafting of Electricity Legislation and Development of Industry and Regulatory Reform.
1996	Public Utilities: The World Bank, Consultant, Policies Towards Privatization and Unbundling of Utilities.
1996	Infrastructure: The World Bank, Consultant, Regulatory Challenges and Opportunities in Infrastructure Development.
1995-1996	Telecommunications: Consultant on interconnection policies in the US.
1995-1996	Telecommunications: Consultant on competitive pricing for a RBOC in US.

1995-1996	Telecommunications: USAID, Consultant, Telecommunications Regulation in Guatemala.
1995-1996	Water Services: InterAmerican Development Bank, Consultant, Water Regulation in Latin America.
1995	Telecommunications: Mexico, Subsecretary of Telecommunications, Design of Telecommunications Interconnection Regulations.
1995	Railroads: Mexico, Federal Competition Commission, Consultant, Railroad Deregulation.
1995	Telecommunications: Mexico, Federal Competition Commission, Consultant, Design of the General Telecommunications Act.
1995	Telecommunications: Mexico, Federal Competition Commission, Consultant, Competition Policies towards Long Distance Telecommunications.
1995	Telecommunications and Electricity: Ministry of Planning, El Salvador, Consultant, Regulatory Policies in the Telecommunications and Electricity Sectors.
1994-1995	Telecommunications: Consultant on price cap regulation in the US.
1994-1995	Electricity: Consultant on Restructuring of the Electricity Sector in the US for a major electricity distribution company.
1994-1995	Electricity: Consultant on transmission pricing for a major electricity distribution company in the US.
1994-1995	Electricity: Consultant on design of contracts for electricity distribution companies, New Zealand.
1994-1995	Electricity: Consultant on design of pool operations procedures, New Zealand.
1994	Natural Gas Transport: Consultant on gas pipeline pricing methods for a major gas transmission company.
1994	Electricity: Mexico, Federal Energy Regulatory Commission, Consultant, Regulatory Reform.
1994-1995	Public Utilities: IDB: Consultant, Design of Regulatory Policies for Utilities in El Salvador.
1993-1995	Telecommunications: Consultant on termination of divestiture restrictions on the RBOCS, in the US.
1993-1995	Telecommunications: Consultant on the Effects of State Regulation of Telecommunications on Telecommunications Infrastructure for a US RBOC.
1993-1994	Infrastructure: Foreign Investment Advisory Service; Consultant, Design of Policies to Promote Foreign Direct Investment in Infrastructure Projects.

1993-1994	Public Utilities: The World Bank; Consultant, Design of Regulatory Policy for Utilities in Colombia.
1993-1994	Electricity: Consultant on Electricity Transmission Pricing in New Zealand.
1993-1994	Public Utilities: United Nations; Consultant, Regulation of Services in Uruguay.
1993	Public Utilities: The World Bank; Consultant, Regulation and Private Sector Development, Latin America Division.
1992-1993	Electricity: World Bank; Consultant, Design of Regulatory Framework for the Power Sector in Bolivia.
1992	Water and Natural Gas: World Bank, Consultant, Assessment of Regulatory Policy for Gas and Water Sectors in Bolivia.
1991	Public Utilities: World Bank; Consultant, Design of Regulatory Agencies for Privatized Utilities in Argentina.
1991-1992	Regulation and Antitrust: World Bank; Consultant, Regulatory and Antitrust Policy in Jamaica.
1991-1994	Public Utilities: Director, World Bank Project on "Regulations, Institutions and Economic Efficiency."
1991	Public Utilities: World Bank; Consultant, Malaysia, regulation of public utilities.
1990-	Public Utilities: World Bank; Consultant, Regulatory policy in developing countries, Public Sector Management Private Sector Development Division.
1990	Soft Drinks: Consultant on effects of soft drink bottlers' acquisition by concentrate manufacturers in the US.
1988-1989	Trade Liberalization: World Bank; Consultant, Commonwealth of Dominica, trade liberalization and industrial restructuring.
1983-1989	Trade Liberalization: World Bank; Consultant, Uruguayan trade liberalization policy.
1980-1982	Public Utilities: United Nations Development Program: Consultant, Regulatory policy for Uruguayan Telephone, Water, Electricity and Gas Utilities.
1980-1983	Telecommunications: Central Bank of Uruguay: Consultant, Banking Regulation and Telecommunications Policy.

ANTITRUST

2011	Telecommunications: Declaration of Economists and Antitrust Scholars on Behalf of Radiomóvil Dipsa S.A. de C.V. (Telcel), in front of Mexico's Federal Competition Commission.
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2009	Telecommunications: Advisor on antitrust proceedings concerning the acquisition of shares in a major global telecommunications company.
2008	Telecommunications: Supreme Court Amicus Brief of Professors and Scholars in Law and Economics in Support of the Petitioners, Pacific Bell Telephone Co. v. linkLine Communications, Inc., Supreme Court of the United States, No. 07-512 (filed Sept. 4, 2008).
2007	Telecommunications: Supreme Court Amicus Brief of Professors and Scholars in Law and Economics in Support of Certiorari, Pacific Bell Telephone Co. v. linkLine Communications, Inc., Supreme Court of the United States, No. 07-512 (filed Nov. 16, 2007).
2006-	Food Production: Conduct assessment of Argentine cookie manufacturers.
2006	Energy: Expert testimony on merger of two energy companies in Spain with assets in Argentina.
2004-	Telecommunications: Consultant for the Uruguayan Telecommunications Regulatory Unit (URSEC) on antitrust policy for the telecommunications sector in Uruguay.
2004	Telecommunications: Expert testimony, in an antitrust case concerning public telephony in Puerto Rico.
2004	Telecommunications: Expert testimony, on merger of two wireless operators in Argentina.
2003-	Natural Gas: Expert testimony, antitrust issues in Argentina's natural gas market.
2003-	Natural Gas Transport: Expert testimony in various antitrust cases involving pricing of wholesale gas transport, and electricity pricing in the US.
2002	Food Production: FTC, Expert testimony, on an antitrust case concerning the food industry in the US.
2002	Software: FTC, Expert testimony, antitrust case in a consummated software merger case.
2001-2002	Various Antitrust Issues: Federal Trade Commission, Consultant.
2000	Tobacco: Consultant, on antitrust issues.
1999-	Cement: Expert testimony, antitrust case involving collusion in the Argentine cement industry.
1999	Airlines: Expert testimony, antitrust and competition issues concerning merger of two national carriers, US.
1998	Oil and Gas: Expert testimony, in an antitrust case involving an oil & gas producer in Argentina.

1997-1998	Aviation: Consultant, joint venture between a US and a British airlines.
1997	Aviation: Consultant, in an antitrust case, issues concerning operation of hub and spoke systems.
1997	Telecommunications: Comisión Federal de Competencia, México, Consultant, Antitrust Issues in PCS Auctions.
1995-1996	Telecommunications: Consultant on competition issues in Mexico's telecommunications sector.
1995-1996	Equipment Manufacturer: Expert testimony on antitrust case in the US.
1995	Airlines: Mexico, Federal Competition Commission, Policy Towards Airline Mergers.
1994	Telecommunications: Consultant on MFJ legislation for an RBOC in the US.
1993-1994	Antitrust: The World Bank; Consultant, Design of Antitrust Policy and Organization of Antitrust Agency in Colombia.
1993	Antitrust: Consultant in an antitrust case concerning the car maintenance sector.
1992-1993	Antitrust: World Bank, Consultant, Antitrust Policy for Bolivia.
1992-1995	Software: Expert testimony on an antitrust case involving CAD-CAM software in the US.
1990-1992	Airlines: Department of Transportation, Consultant, Airline Operations at Major Hubs.
1991	Oil: Consultant on a joint venture of two oil and gas producers in the US.
1990	Satellite Cable: Expert testimony on merger injunction of cable operators.US.
1988	Consumer Products: Consultant in merger between two large consumer product companies.
1987-1988	Silver: Expert testimony on antitrust case involving a price fixing, monopolization, commodity case in the silver market.
1984-1985	Toys: Expert testimony on a vertical restraint, price fixing and monopolization case in the toys industry.
1984-1988	Various Industries: Federal Trade Commission, Consultant, Bureau of Economics. Antitrust and Regulation.

GRANTS

2001-2002	Center for Latin American Studies, UC Berkeley, grant for research on Argentina's Judiciary Institutions.
2000-2001	University of California Energy Institute, grant for research on regulatory innovations in the electricity sector.
1999-2000	Center for Latin American Studies, UC Berkeley, grant for research on Argentina's Institutions.
1996-1997	University of California Energy Institute, grant for research on direct access in the electricity sector.
1996-1997	University of California Pacific Rim Program, grant for research on The Institutional Foundations of Economic Reforms: The Cases of Chile and New Zealand.
1995-1997	National Science Foundation grant for Research on Endogenous Telecommunications Regulation.
1995-1996	Pittsburgh Center for Supercomputer, Grant for High Power Computing.
1995-1996	University of California Energy Institute, grant for research on institutions and commitment.
1994-1995	National Center for Supercomputer Applications, Grant for High Power Computing.
1992-1994	National Center for Supercomputer Applications, PROBE Grant for High Power Computing.
1991-1993	National Science Foundation Grant for Rational Models of the Supreme Court: A Study of the Certiorari Process.
1991	Bradley Foundation Grant for a Conference on the Economics and Politics of Administrative Law and Procedures.
1991-1993	National Science Foundation Grant for Empirical Models of Hub-and-Spoke Network Airlines, with J. Brueckner.
1990-1991	National Science Foundation Grant for Rational Models of the Supreme Court.
1990-1991	Ameritech Research Project Grant for the Illinois Seminar on the Political Economy of Institutions.
1990	Ameritech Research Project Grant for a Conference on the Economics and Politics of Administrative Law and Procedures.
1990-1991	UIUC Campus Research Board Grant, for a project on "Rational Choice Models of the Supreme Court".

1990	University of California, Institute of Government, Grant for Research on Political Economy.
1989-1990	Ameritech Research Project Grant for the Illinois Seminar on the Political Economy of Institutions.
1989-1990	Ameritech Research Fellowship, University of Illinois.
1989-1990	UIUC Campus Research Board Grant, for a project on "Competition and Entry in the Deregulated Airline Industry: A Renewal".
1988-1989	Ameritech Research Fellowship, University of Illinois.
1988-1989	Ameritech Research Project Grant for the Illinois Seminar on the Political Economy of Institutions.
1988-1989	UIUC Campus Research Board Grant, for a project on "Competition and Entry in the Deregulated Airline Industry".
1986-1987	Center for Economic Policy Research Grant, Stanford University.
1983-1984	Tinker Postdoctoral Fellowship at the Department of Economics of the University of Chicago.
1981-1983	Wharton Center for International Management Studies Research Grant.
1981	Young Faculty Fellowship Award, University of Pennsylvania.
1979-1980	Center for the Study of the Economy and the State, Ph.D. Dissertation Research Grant.
1979-1980	Ohlin Center for the Study of the Economy and the State Fellowship, University of Chicago.
1976-1979	Lilly Fellowship, University of Chicago.
1975	International Trade Workshop Fellowship, Hebrew University of Jerusalem.
1974	Dean's Excellence List, Hebrew University of Jerusalem.
1973	Dean's Excellence List, Hebrew University of Jerusalem.

CONFERENCES AND WORKSHOPS (ORGANISER)

- (1) "Berkeley-Paris Workshop on Economics of Organization," Paris, Spring 2016.
- (2) "Berkeley-Paris Workshop on Economics of Organization," Berkeley, Spring 2017.
- (3) "Berkeley-Paris Workshop on Economics of Organization," Berkeley, Spring 2015.

- (4) "Economics of Contracts," Columbia Law School, Spring 2012.
- (5) "Institutional Analysis Workshop," University of California, Berkeley, 2012-2013.
- (6) ISNIE Annual Conference, Berkeley California, Spring 2009.
- (7) "Institutional Analysis Workshop," University of California, Berkeley, 1999-2010.
- (8) "Conference on Antitrust Policy for Dynamic Economies," Buenos Aires, April 1999.
- (9) "Conference on Positive Political Theories of Business Strategies", Marconi Center, 1998.
- (10) "Conference on Bureaucracy: Issues and Apparatus," Marconi Center, 1998.
- (11) "Workshop on Institutional Analysis," University of California, Berkeley, Fall 1996.
- (12) "Conference on Infrastructure Regulation in Mexico: II, ITAM, November 1996.
- (13) "Conference on Infrastructure Regulation in Mexico: I," ITAM, July 1996.
- (14) "Conference on Institutions and Commitment: The Case of Water Utilities in the Developing World," InterAmerican Development Bank, 1996.
- (15) Workshop on *Regulatory Reform in the Power and Telecommunications Sectors*, Ministry of Planning, El Salvador, March 1995.
- (16) "Private Investment in Infrastructure," Haas Symposium, Hong Kong, February 1995.
- (17) "Workshop on Electricity Regulation," Energy Regulatory Commission, Mexico City, July 1994.
- (18) "POWER Conference on Transmission Pricing," Oakland, May 1994.
- (19) "CRS-PRAIRIE Conference on Open Access to Transmission Networks," Oak Brook Hills, Chicago, May 1993.
- (20) "World Bank Conference on Regulations, Institutions and Economic Efficiency: II," San Diego, February 1993.
- (21) "Regulatory Policy Roundtable: Implications of the 1992 Clean Air Act Amendments," PRAIRIE, Urbana, November 1992.
- (22) "Regulatory Policy Roundtable: Demand Side Management," PRAIRIE, Chicago, October 1992.
- (23) PRAIRIE, Program for Research on American and International Regulatory Issues and Environment," Institute of Government and Public Affairs, University of Illinois, 1992.
- (24) "World Bank Conference on Regulations, Institutions and Economic Efficiency: I," Berkeley, June 1992.
- (25) "Workshop on Electricity Regulation in the Southern Cone," CERES, Montevideo, May 1991.

- (26) "Conference on The Economics and Politics of Administrative Law and Procedure, Allerton House, University of Illinois, 1991, published in the *Journal of Law, Economics and Organization*, Vol. 8, No. 1, 1992.
- (27) "Fulbright/CERES Conference on Institutions, Transaction Costs and Development," July 1990.
- (28) "Fourth Carleton Summer Industrial Organization Seminar," Ottawa, July 1990.
- (29) "Fulbright/CERES Symposium on the U.S. Deregulatory Experience," August 1989.
- (30) "Ameritech Lecture Series on Regulation," University of Illinois, 1988-.
- (31) "Conference on Empirical Approaches to Market Power," Federal Trade Commission, Summer 1988, special issue, *Journal of Law and Economics*, December 1989.
- (32) "Illinois Seminar on the Political Economy of Institutions," University of Illinois at Urbana-Champaign, 1987-.
- (33) "Working Papers Series on the Political Economy of Institutions," BEBR, University of Illinois, at Urbana-Champaign, 1987-.
- (34) "Conference on the Political Economy of Institutions," Hoover Institution, Stanford University, February 1986.
- (35) "Conference on the Economics of Organization," University of Pennsylvania, June 1984.

REFeree WORK

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|------|--|------|---|
| (1) | Journal of Political Economy | (13) | Journal of Industrial Economics |
| (2) | Journal of Law and Economics | (14) | International Economic Review |
| (3) | Journal of Law | (15) | Economic Journal |
| (4) | Economics and Organization | (16) | Research in Law and Economics |
| (5) | Bell Journal of Economics | (17) | Mathematical and Computer Modelling |
| (6) | Rand Journal of Economics | (18) | American Bar Foundation Research Journal |
| (7) | Quarterly Journal of Economics | (19) | Journal of Policy Analysis and Management |
| (8) | Economic Inquiry | (20) | American Economic Review |
| (9) | National Science Foundation | (21) | Transportation Journal |
| (10) | Tinker Foundation | (22) | Journal of Economic Development |
| (11) | Review of Economics and Statistics | (23) | International Review of Law and Economics |
| (12) | International Journal of Industrial Organization | (24) | Journal of Economics and Management Strategy. |

PRESENTATIONS 1986-2004

I. Conferences

- Regulations and Development, University of Illinois, Urbana-Champaign, April 2004.
- Special Lecture, Pontificia Universidad Católica, Quito, Peru, April 2004
- Annual Meeting of Argentine Economics Association, November 2003.
- Annual Meeting of the International Society for New Institutional Economics, Budapest, Hungary, September 2003.
- Conference in the honor of 50th Anniversary of FIEL, Buenos Aires, August 2003.
- Models of Separation of Powers, Washington University June 2003.
- Why Unbundling Fails, Ecole des Mines, Université de Paris, Paris, June 2003.
- Institutional Foundations of Public Policy, ATOM, Université Paris I, Paris, May 2003.
- Institutions and Regulation, Federal Communications Commission, March 2003.
- Antitrust Enforcement Conference, George Washington University, January 2003.
- Protecting Foreign investor Rights, FORUM, Buenos Aires, August 2002.
- Annual Meeting of IDEA, Infrastructure Development, Buenos Aires, Argentina, August 2002.
- Latin American Econometric Society Meetings, Sao Paulo, Brazil, July 2002.
- Conference on New Regulatory Developments, University of Brazilia, July 2002.
- Workshop on New Approaches to Spectrum Management, Federal Communications Commission, July 2002.
- Norwegian Ministry of Communications, Conference on Telecommunications Policy Reform, Bergen, Norway June 2002.
- Harvard Conference on Political Economy, June 2002
- IRIS Conference on Institutions and Development, Washington DC May 2002
- Yale Law School Conference on Corporate Governance and Development, May 2002
- Washington University, Constitutional Courts Conference, November 2001
- APSA Annual Conference, San Francisco, August 2001
- CIPPEC Conference on the New Latin American State, New York, August 2001
- Econometrics Society Meetings, Buenos Aires, July 2001.
- London Business School Conference on Telecommunications Strategy and Structure, May 2001.
- American Law & Economics Association Meeting, May 2001
- World Bank Conference on Electricity Restructuring, May 2001.
- InterAmerican Development Bank Annual Assembly, Seminar on Infrastructure, Santiago, Chile, March 2001.
- Roundtable on Resolving Air Traffic Congestion, US Department of Transportation, Washington DC, October 2000.
- Conference on the Scientific Study of Judicial Politics, Columbus, OH, October 2000.
- Conference on Efficient Institutions for Efficient Markets, Institute of the Americas, University of California San Diego, October 2000.
- Knowledge Forum, Berkeley, September 2000.
- International Society for New Institutional Economics, Tübingen, September 2000.
- International Mutual Fund Institute, Annual Roundtable, Geneva, September 2000.
- International Telecommunications Society, Lausanne, September 2000.
- Annual Meetings of the American Political Science Association, Washington DC, September, 2000.
- World Bank Conference on Institutions and Markets, Washington DC, July 2000.
- International Telecommunications Society, Annual Meeting, Buenos Aires, July 2000.
- Conference on Challenges to Telecommunications Reform, IADB, Tegucigalpa, Honduras, June 2000.
- Annual Meetings of the American Law & Economics Association, New York, April 2000.
- BRIE Conference on economy, UC Berkeley, April 2000.

- Inaugural Conference on Telecommunications Research and Policy, Quello Center for Telecommunications Research, Washington DC, April 2000.
- Summer Workshop on Institutions and Development, Cartagena, Colombia, April 2000.
- Conference on the Economics of Antitrust, IIR, Buenos Aires, Argentina, March 2000.
- Conference on the Economics of Courts, Harvard Law School, November 1999, Harvard University.
- Conference on Latin American Economies in the Long Run, November 1999, Princeton University.
- Annual Meetings of LACEA, Santiago Chile, October 1999.
- Annual Meetings of the International Society for New Institutional Economics, Washington DC, September 1999.
- XIIth Conference of the International Economic Association, Buenos Aires, August 1999.
- Conference on Institutional Aspects of Infrastructure Regulation, ORT University, Montevideo, August, 1999.
- Conference on the Future of Social Security, Montevideo, July 1999.
- Conference on the Design of Markets in Electricity and Water Sectors, FREE, Madrid, June 1999.
- Conference on New Developments in the Electricity Sector, San Salvador, June 1999.
- World Economic Forum, Santiago Chile, May 1999.
- Conference on Latin Aviation, Institute for International Research, Buenos Aires, April 1999.
- Conference on Electric Power Blackouts, ADEERA, Buenos Aires, April 1999.
- Fundación Gobierno & Sociedad, "Antitrust Policy for Dynamic Economies" April 1999.
- Catholic University of Chile, Keynote Lecture, Vice-Provost Research Conference, January 1999.
- Conference on Water Regulation, FENTOS, Buenos Aires, December 1998.
- World Bank, Competition Policy Conference, Antitrust in Utility Sectors, Washington, DC, December 1998.
- Office of the Chief of Cabinet, Conference on Utilities Regulation, Keynote Speech: Regulatory Challenges and Opportunities, Buenos Aires, December 1998
- Office of the Chief of Cabinet Argentina, Conference on Regulation of Utilities, Regulatory Challenges and Opportunities, Buenos Aires, December 1998
- Institute for International Research, Conference on Concessions and Privatization, Workshop on Design of Concessions, Buenos Aires, December 1998
- Institute for International Research, Conference on Concessions and Privatization, Keynote Speech: Concessions as Regulatory Contracts, Buenos Aires, December 1998
- University of Buenos Aires, Regulatory Advances in Argentina, Buenos Aires, November, 1998.
- Conference on Positive Political Theory of Business Strategies, Marconi Center, October, 1998.
- IPEG, Conference on Energy Integration, Antitrust in Energy Sectors, Buenos Aires, October 1998.
- Latin America Economics Association, Invited Lecture on Institutions and Commitment, Buenos Aires, October, 1998.
- IDEA, Regulatory Challenges and Opportunities, Mar del Plata, September 1998.
- Ameritech Telecommunications Consortium, Michigan, June 1998.
- American Law & Economics Association Annual Meetings, April 1998.
- Conference on "Institutional Development," Bogota, April 1998.
- Midwest Political Science Association Meetings, April 1998.
- JLEO Conference on "Bureaucracy", Marconi Center, April, 1998.
- POWER Conference, Berkeley, March 1998.
- Conference on "Gas, Power and Regulation in Latin America", Miami, March 1998.
- NBER Industrial Organization Conference, February, 1998.

- American Economic Association, January, 1998.
- Conference on Developments on Electricity Markets, Bogotá, November 1997.
- Conference on Judicial Politics, Georgia Tech, November 1997.
- Conference of the Latin America & Caribbean Economics Association, Bogotá, October 1997.
- Conference on Mexico Telecommunications Developments, September 1997.
- New Institutional Economics Conference, St. Louis, September 1997.
- Cato Conference on Telecommunications, September 1997.
- InterAmerican Development Bank, Conference on Utility Regulation in Latin America, September 1997.
- Conference on Macroeconomics in the XXI Century, Central Bank of Ecuador, August 1997.
- Conference on the Economics of Governance, St. Petersburg University, June 1997.
- American Law & Economics Association, Toronto, May 1997.
- NBER, Conference on Accumulation in Markets, Industries and Firms, May 1997.
- USAID/CIECA Conference on Telecommunications Reform, Costa Rica, April 1997.
- NBER, Industrial Organization Winter Meetings, February 1997.
- World Economy Laboratory, The Cartagena Conference, January 1997.
- American Economic Association, January 1997.
- Conference on Mexico's Infrastructure Regulation, ITAM, November 1996.
- IOFEST, Stanford University, October 1996.
- InterAmerican Development Bank, Water Regulation Conference, August 1996.
- Conference on Property Rights to the Spectrum, Marconi Center, July 1996.
- Citizens' for a Sound Economy, Conference on Interconnection Policy, July 1996.
- The World Bank, Conference on Telecommunications Reform, July 1996.
- EPRI, Conference on Retail Market Strategies, San Diego, March 1996.
- National Bureau of Economic Research, Industrial Organization Conference, February 1996.
- InterAmerican Development Bank, Conference on Water Regulation, January 1996.
- American Economic Association Meetings, San Francisco, January 1996.
- Conference on the Future of Telecommunications, SNF, Bergen, Norway, November 1995.
- Firms, Markets and Organizations, Conference Celebrating the 25th Anniversary of Markets and Hierarchies, Berkeley, October 1995.
- Regulatory Frameworks for Infrastructure Sectors, Universidad de Chile/The World Bank, Santiago Chile, October 1995.
- ITAM Conference on Regulatory Issues in Latin America, Mexico City, September 1995.
- American Political Science Association, Chicago, August, 1995.
- Northwestern Conference on Political Economy, Chicago, August 1995.
- Western Economic Association Meetings, San Diego, July 1995.
- Conference on the Reform of the California Constitution, Berkeley, June 1995.
- Conference on Technical Requirements for Electricity Open Access, June 1995.
- FIAS Conference on Private Sector Investment in Latin America, Santiago, Chile, May 1995.
- Conference on Positive Political Theory and the Law, Caltech, May 1995.
- World Bank Conference on Legal and Regulatory Environment, Washington, DC, May 1995.
- World Bank Conference on Regulation of Infrastructure Sectors, Washington, DC, April 1995.
- Stanford Conference on Network Pricing, Stanford, March 1995.
- Stanford Conference on the Reform of the California Constitutions, March 1995.
- World Bank Workshop on Institutional Economics, Washington, DC, November, 1994.

- POWER Workshop on "Pool vs. Bilateral Electricity Transactions," Santa Rosa, November 1994.
- Conference on The Regulation of Privatized Utilities, organized by the Asociation of Public Service Companies, Santiago, Chile, October 1994.
- Telecommunications Policy Research Conference, Salomons Island, Maryland, September 1994.
- Workshop on Electricity Regulation, Energy Regulatory Commission, Mexico City, July 1994.
- AEI Conference on Telecommunications Reform, June 1994.
- POWER Conference on Electricity Transmission, Oakland, May 1994.
- Annual Meetings of the American Law and Economics Association, May 1994.
- Stanford/Berkeley Workshop on Constitutional Design, Stanford, May 1994.
- World Bank Conference on Institutional Economics and Development, February 1994.
- NBER Conference on Industrial Organization, February 1994, Palo Alto.
- CITI conference on The Economics of Networks, New York, New York, November 1993.
- Second Conference of the Wallis Institute on Political Economy, Rochester University, October 1993.
- Telecommunications Policy Research Conference, Salomons Island, Maryland, October 1993.
- CRS-PRAIRIE Conference on Open Access to Transmission Networks, Oak Brook Hills, Chicago, May 1993.
- International Comparison of Electricity Regulation, Toulouse, France, May 1993.
- Annual Bank Conference on Development Economics, Washington, DC, May 1993.
- World Bank Conference on Regulations, Institutions and Economic Efficiency: II, San Diego, February 1993.
- Winter Meetings of the AEA, Anaheim, January 1993.
- Inaugural Conference of the Wallis Institute on Political Economy, Rochester University, November 1992.
- Conference on Privatization and Regulation in Latin America, University of Illinois, Urbana-Champaign, November 1992.
- Conference on Regulating Regulators, Duke Law School, November 1992.
- Conference on Empirical Methods in Industrial Organization, Toulouse, France, October 1992.
- Telecommunications Policy Research Conference, Salomons Island, October 1992.
- International Seminar on Deregulation, Brazilia, August 1992.
- World Bank Conference on Regulations, Institutions and Economic Efficiency, Berkeley, June 1992.
- NBER Spring 1992 Industrial Organization Conference, Cambridge.
- Innovative Approaches to Energy and Environmental Planning In California, POWER, Sacramento, April 1992.
- Public Choice and Economic Science Association Meetings, New Orleans, March 1992.
- Transmission Access Workshop, POWER, St. Helena, November 1991.
- Xth Annual Meetings of the Latin American Chapter of the Econometric Society, Punta del Este, Uruguay, August 1991.
- Annual Meetings of the Western Economics Association, Seattle, June 1991.
- First Annual Conference of the American Law and Economics Society.
- Conference on Political Economy of Regulation, Privatization and Deregulation, the World Bank, May 1991.
- Conference on Electricity Regulation in the Southern Cone, CERES, Montevideo, Uruguay.
- Conference on the Economics and Politics of Administrative Law and Procedure, Allerton House, May 1991.
- National Bureau of Economic Research Conference on Industrial Organization, Cambridge, April 1991.
- Annual Conference of the Public Choice Society and of the Economic Science Association, New Orleans, March 1991.
- Seminar on Airline Economics, Office of the Secretary of Transportation, Washington, DC, February 1991.

- Telecommunications Policy Research Conference, Airlie House, Virginia, September 1990.
- Annual Conference of the European Association of Research in Industrial Economics, Lisbon, September 1990.
- Annual Meetings of the European Economic Association, Lisbon, September 1990.
- Sixth World Congress of the Econometric Society, Barcelona, August 1990.
- Fourth Carleton Summer Industrial Organization Conference, Ottawa, July 1990.
- NBER Conference on Topics in Industrial Organization, July 1990.
- Western Economic Association Meetings, July 1990.
- CERES/Fulbright Conference on Institutions and Development, Montevideo, June 1990.
- Carnegie Mellon Conference on Political Economy, May 1990.
- Organization of Political Institutions, Yale Law School, April 1990.
- Understanding and Improving Public Decisionmaking, IGPA, April 1990.
- Energy Pricing, Columbia University, April 1990.
- NBER Conference on Political Economics, Boston, February 1990.
- AEA Winter Meetings, December 1989.
- Econometric Society Winter Meetings, December 1989.
- Fulbright/CERES Symposium on the U.S. Experience on Deregulation, August 1989.
- Carnegie Mellon Conference on Political Economy, discussant, May 1989.
- Constitution, Property Rights and Indian Economics, University of Montana, Summer 1989.
- Western Economic Association Meetings, Summer 1989.
- Econometric Society Summer Meetings, Ann Arbor, Summer 1989.
- AEA Winter Meetings, December 1988.
- Econometric Society Winter Meetings, December 1988.
- Econometric Approaches to Market Power, FTC, Washington DC, July 1988.
- Antitrust and Efficiency: 100 Years of the Sherman Act, University of California, Berkeley, October 1988.
- Deregulation and Technological Change, ITAM, Mexico City, October 1988.
- Carnegie Mellon Conference on Political Economy, May 1988.
- Econometric Society Winter Meetings, December 1987.
- Sequoia Institute Conference on Informal Markets, Washington, DC, October 1987.
- IDB Conference on Latin America in the Emerging Global Information Economy, Sao Paulo, Brazil, November 1987.
- Summer Meetings of the Econometric Society, Berkeley, August 1987.
- Carleton Summer Industrial Organization Conference, Carleton, July 1987.
- Latin American meetings of the Econometric Society, August 1987.
- Conference on Competition and Antitrust, GSB Stanford, June 1987.
- World Bank Conference on Trade in Services, Washington, DC, July 1987.
- Carnegie Mellon Conference on Political Economy, May 1987.
- Winter Meetings of the Econometric Society, New Orleans, December 1986.
- AEA meetings, New Orleans, December 1986.
- Eastern Economic Association Meetings, Philadelphia, April 1986.
- Conference on Politics of Insurance Crisis, San Francisco, 1986.
- Econometric Society Meetings, July 1986.
- World Bank Conference on Trade Liberalization, Lisbon, August 1986.
- Conference on Public Utility Regulation, UC Berkeley, 1986.
- Conference on Productivity, CERES, Uruguay, 1986.
- Latin American Meetings of the Econometric Society, August 1986.
- World Bank Conference on Trade Liberalization, Bahia, Brazil, August 1986.

II. Workshops at institutions

- Georgetown School of Business, May 2004.
- Ecole de Mines, Paris, May 2003.
- University of Washington, Economics and Political Science Workshop, February 2003.
- UCB Institutional Analysis Workshop, October 2002
- Universidad San Andrés, Department of Economics, August 2002.
- UCSD School of International & Pacific Studies, February 2002
- Law & Economics Workshop, University of Chicago Law School, April 2001.
- Collective Choice Workshop, Stanford University, October 2000.
- University of California, Institutional Analysis Workshop, October 2000.
- University of Michigan Business School, October 2000.
- University of California, Center for Latin American Studies, September 2000.
- Fundación Gobierno y Sociedad, Buenos Aires, June 2000.
- Transportation Research Council, Washington DC, April 2000.
- Columbia University Law School, New York, April 2000.
- University of California Energy Institute, November, 1999.
- University of California, Berkeley, Institutions Seminar, September, 1999.
- Universidad San Andrés, Department of Economics, July 1999.
- Universidad de Chile, Department of Economics, June 1999
- Central Bank of Uruguay, Privatization of Pension Plans, May 1999.
- University CEMA, Department of Economics, April 1999.
- University of San Andrés, Department of Economics, March 1999.
- Universidad de San Andrés, Center for Institutional Development, March 1999.
- FGS, Buenos Aires, Telecommunications Reform, March 1999.
- University of San Andres, Buenos Aires, Institutional Foundations of Argentina's Economic Growth, November 1998.
- Fundación Libertad, Rosario, September 1998.
- FGS, Buenos Aires, Regulatory Challenges, October 1998.
- FGS, Buenos Aires, Institutional Innovations in Electricity Markets, September, 1998
- ITAM, Mexico, February, 1998.
- University of California Energy Institute, October 1997.
- Institute of Applied Economics, Autonomous University of Barcelona, June 1997.
- ATOM, University of Sorbonne, Paris, June 1997.
- Law and Society Workshop, University of California, Berkeley, May 1997.
- Industrial Organization Workshop, University of California, Los Angeles, February 1997.
- Industrial Organization Workshop, University of California, Berkeley, September 1996.
- Workshop on the Economics of Institutions, University of California, Berkeley, October 1995.
- Yale Law School Law, Economics and Organizations Workshop, September 1995.
- Norwegian School of Business, Bergen, June, 1995.
- Power System Engineering Research Consortium Workshop, April 1995.
- Legal Studies Workshop, University of California, Berkeley, April 1995.
- Industrial Organization Workshop, University of California, Berkeley, April 1995.
- Workshop on the Economics of Institutions, University of California, Berkeley, April 1995.
- Marketing Workshop, University of California, Berkeley, February 1995.
- Technical Workshop on Bilateral Contracting, California Public Utilities Commission, January 1995.
- Federal Communications Commission, October 1994.
- California Energy Institute, University of California, Berkeley, September, 1994.

- Institute for Policy Reform, Washington, DC, July 1994.
- Positive Political Theory Workshop, University of California, Berkeley, February 1994.
- Interdisciplinary Seminar, University of California, Berkeley, November 1993.
- Industrial Organization Workshop, Washington University, St. Louis, January 1993.
- Management and Strategy Workshop, Kellogg Graduate School, November 1992.
- Industrial Organization Workshop, Yale University, November 1992.
- Industrial Organization Workshop, Texas A&M, October 1992.
- Political Sciences Workshop, University of California, San Diego, May 1992.
- Claremont Graduate School, March 1992.
- Industrial Organization Workshop, University of California, Berkeley, February 1992.
- QSPS Seminar, University of California, Berkeley, November 1991.
- John Hopkins University, November 1991.
- University of Southern California, Los Angeles, October 1991.
- University of Illinois, Champaign-Urbana, October 1991.
- University of California, Los Angeles, September 1991.
- University of California, Berkeley, September 1991.
- Universidad de San Andrs, Buenos Aires, September 1991.
- Merriam Laboratory for Analytical Research in Political Sciences, May 1991.
- George Mason University, February 1991.
- University of California, Irvine, November 1990.
- University of California, San Diego, May 1990.
- Vanderbilt University, April 1990.
- University of Pennsylvania, April 1990.
- Indiana University, March 1990.
- MIT, Industrial Organization Workshop, February 1990.
- Purdue University, February 1990.
- Hoover Institution Collective Choice Seminar, January 1990.
- University of California Berkeley, Fall 1989.
- Joint University of Southern California/UCLA, Fall 1989.
- University of Rochester, joint Economics and Political Sciences, Fall 1989.
- University of Chicago, IO Workshop, Fall 1989.
- University of Chicago, Economic History Workshop, Fall 1989.
- University of Chicago, Public Policy Workshop, Fall 1989.
- University of Illinois Law School, Spring 1989.
- Latin American Center, UIUC, Spring 1989.
- University of California, Santa Barbara, IO Workshop, Spring 1989.
- University of Arizona, IO Workshop, Spring 1989.
- UCLA, IO Workshop, Spring 1989.
- Hoover Institution, Collective Choice Seminar, Winter 1989.
- University of California, Berkeley, IO Workshop, Fall 1988.
- Claremont McKenna College, IO Workshop, Fall 1988.
- USC/Caltech joint Econometrics Workshop, Fall 1988.
- University of Miami, Florida, Fall 1988.
- Carleton University, IO Workshop, Ottawa, Fall 1988.
- Toronto University, IO Workshop, Fall 1988.
- University of Chicago, IO Workshop, Fall 1988.
- World Bank, Fall 1988.
- Merriam Laboratory Workshop, U of I, 1987.
- UC Berkeley, IO Workshop, 1987.
- Northwestern University, IO workshop, 1987.
- FTC, 1987.
- Justice Department, Washington, DC, 1987.
- University of Maryland, IO Workshop, 1987.

- UC San Diego, Applied Micro Workshop, 1987.
- Graduate School of Business, Stanford, 1987.
- University of California, Los Angeles, 1987.
- University of Washington, 1986.
- University of Illinois, 1986.
- University of California, Davis, 1986