

CURRICULUM VITAE

Eduardo M. Engel

OFFICE ADDRESS:

University of Chile, Department of Economics
Diagonal Paraguay 257 Piso 14
Santiago, CHILE
+56 22 978-1942
emraengel@gmail.com
<http://www.econ.uchile.cl/es/academico/eengel>

ACADEMIC POSITIONS:

2012–Present	University of Chile, Department of Economics, Professor
2012–2014	Yale University, Department of Economics, Visiting Professor
2001–2012	Yale University, Department of Economics, Professor of Economics
1998–2001	University of Chile, Department of Industrial Engineering, Professor
1994–1998	University of Chile, Department of Industrial Engineering, Associate Professor (tenured)
1992–1994	Harvard University, Kennedy School, Assistant Professor of Public Policy
1991–1992	MIT, Department of Economics, Visiting Instructor

RESEARCH POSITIONS:

2016–Present	CEQ Institute, Research Associate
2008–Present	International Growth Centre @ LSE and Oxford, Research Program Member

EDUCATION:

Ph.D., Economics.	Massachusetts Institute of Technology (MIT), May 1991
Ph.D., Statistics.	Stanford University, September 1987
Engineering degree.	University of Chile, March 1980

TEACHING AND RESEARCH FIELDS:

<i>Primary Field:</i>	Macroeconomics, Statistics
<i>Secondary Fields:</i>	Infrastructure Economics, Governance and Corruption

TEACHING (2010 ONWARDS):

Economic Development: Micro causes, macro impact	U. de Chile, Graduate course. 2023.
Undergraduate Statistics	U. de Chile, 2015–present.
Graduate Macroeconomics	U. de Chile, 2012–present.
“Economics of Public-Private Partnerships.”	U. of Chile. Graduate course. 2012–2022.
Graduate (1st year Ph.D.) Macroeconomics	Yale, 2001–2013.
“Economic Policy in Latin America.”	Yale, 2001–2010.

HONORS AND AWARDS:

Foreign Honorary Member, American Economic Association. Elected 2023
Fellow of the International Economic Association. Elected 2018
Ambassador for 'Hay Mujeres' Foundation, 2018
Graduate Teacher of the Year: 2019, 2017, 2015, 2013. Department of Economics. University of Chile.
Premio Defensa de las Libertades, Red Liberal, 2016.
Premio Chile Transparente 2015, Chilean Chapter of Transparency International.
Premio Club Monetario 2015.
Chilean Academy of Sciences. Elected 2014.
Fellow of the Econometric Society. Elected 2012.
Graduate Teacher of the Year: 2011, 2009, 2003 and 2001, Department of Economics, Yale.
National Science Foundation Grant, 2006–2008 (SES 0550134)
Frisch Medal of the Econometric Society, 2002.
Chile's Economist of the Year 2002 – awarded by *El Mercurio*
Teacher of the Year 1998, Dep. Ind. Engineering, U. of Chile.

SPECIAL LECTURES

Inaugural Lecture of the Academic Year. Instituto de Chile. "Pandemic in Chile: Coming Challenges." July, 2020.
Keynote Address. "Reforming the governance of infrastructure: Lessons from the Odebrecht Case," III Conference of the Latin American Initiative in Public Policy Research (ILAIPP). Quito, December 2018.
Keynote Address. "Corruption in Infrastructure: Lessons from the Odebrecht Case," VI Congress of the Colombian Economy, Bogotá, October 2018.
Keynote Address. "Governance and Transparency in Infrastructure," CAF Conference on Infrastructure and Development in Latin America, Buenos Aires, April 2018.
Inauguration of Academic Year. Universidad Central. "Corruption Scandals: An Opportunity to improve our Democracy." May 2017.
Keynote Address. Centro Latinoamericano de Administración para el Desarrollo (CLAD). "Institutional Reforms for an Effective Democracy: Lessons for Latin America." November 2016.
Keynote Address. Latin American and European Meeting on Organization Studies (LAEMOS), "Chile: From Corruption Scandals to a Reform Agenda." Viña del Mar, April 2016.
Inauguration Academic Year. U. de Chile, School of Chemistry and Pharmacy. "Chile: Confidence Crisis and Anti-Corruption Agenda". May 2016.
Presidential Address. Latin American and Caribbean Economic Association (LACEA), "Public-Private Partnerships: Economic Theory and Public Policy", October 2015.
Inauguration Academic Year. U. Alberto Hurtado. "Probity Agenda and Recovering Confidence". May 2015.
Keynote Address, European School on New Institutional Economics (ESNIE), "The Economics of Public-Private Partnerships", Cargèse Institute of Scientific Studies, May 2014.
Keynote Address, Conference on Reforming Public Service Delivery, "The Economics of Public-Private Partnerships", U. of Lausanne, May 2014.
Keynote Address, APET Workshop on Public-Private Partnerships, "Public-Private Partnerships:

When and how". University of Queensland, June 2012.

Keynote Address, International conference on Infrastructure and Economic Development, "Public private partnerships: when and how". Toulouse School of Economics, January 2010.

Distinguished Speaker Series, MIT Center for Transportation and Logistics, "Public Private Partnerships: When and How." December 2008.

Keynote Address, CEPR-IESE Government and Governance Conference, "The Basic Public Finance of Public-Private Partnerships," Barcelona, April 2008.

Keynote Address, Conference on Public Services and Management, "The Basic Public Finance of Public-Private Partnerships," Toulouse, January 2006.

Schumpeter Lectures, Humboldt University, Berlin. "The Macroeconomics of Lumpy Adjustment". June 2003.

Mario Henrique Simonsen Memorial Lecture. Latin American Econometric Society Meetings, Cancún, Mexico. "Lumpy Adjustment and Aggregate Dynamics", August 1999.

Plenary Lecture. Latin American and Caribbean Economics Association (LACEA) Meetings, "New Trends for Private Participation in Infrastructure", October 1997.

Plenary Lecture. Brazilian Meeting of the Econometric Society, "Dynamics and Aggregation in Macroeconomic Models", December 1993.

PROFESSIONAL SERVICES AND AFFILIATIONS:

Working Group on Reimagining Global Economic Governance. Carnegie Endowment for International Peace. Member. 2023-present.

Espacio Público. Board Member, 2017–present. President, 2012–2017.

Anti-Corruption Working Group Advisory Board, Americas Society/Council for the Americas. Member. 2018–present.

World Bank Economic Review, Editorial Board member, 2016–present.

International Review of Transparency and Integrity, Scientific Committee member, 2016–present

Foco Económico, Co-editor. 2012–Present.

Monthly column, *El Mercurio*, 2019–present.

Economics of Public-Private Partnerships Chair of University Paris I (Sorbonne). Scientific Committee member, 2009–Present.

Advisory Council for Investment. Government of Chile. Member, 2020–2021.

ICOVID Chile. Researcher, 2020–2022.

The Clinic magazine. Editorial board member, 2020–2021.

Working group on "More and Better Jobs." Ministry of Labor. Member. October-November 2018.

Inter-American Development Bank's President Expert Advisory Group on Transparency, member, 2017–2018.

Antitrust Agency (FNE), Chile. Report on the Notary Market. External Advisor. 2017–2018.

Econometric Society. Council member, 2000–2003, 2016–2019.

Econometric Society. Latin American Standing Committee. Chair. 2016–2019.

Latin American and Caribbean Economics Association (LACEA). President, 2014–2015.

Vice-President, 2012-2013. Executive Committee Member, 2010–2011.

Presidential Council on Conflicts of Interest, Influence Peddling and Corruption. Chile. President, March-April 2015.

Advisory Fiscal Council, Government of Chile. President, 2014–2016.

University of Chile, University Academic Evaluation Committee. Member, 2014–2021.
 Revista Mensaje, Consejo Ampliado. Member, 2013–2021.
 World Economic Forum, Global Agenda Council on Infrastructure. Member, 2012–2014.
Review of Economics and Statistics. Associate Editor, 2003–2012.
J. of the European Economics Association, Associate Editor. 2007–2013.
 Sociedad Chilena de Políticas Públicas. Founding President, 2009–2011.
 International Economics Association. Council Member, 2002–2008.
 Presidential Commission on Work and Equity. Member. 2008.
 Econometric Society, Latin American Standing Committee. Member, 1991–2001.
 Program Committee, VII World Congress of the Econometric Society. Member, 1995.
Economía (Journal of LACEA). Co-editor (2006–2008). Associate editor (1999–2005).
Economía Chilena. Member Editorial Board, 1998–2014.
Perspectivas en Política, Economía y Gestión. Co-editor, 1997–2001.
Revista de Análisis Económico. Associate Editor, 1995–2002.
Brazilian Review of Econometrics. Associate Editor, 1994–2002t.
 Public Private Investment Advisory Facility (PPIAF), World Bank. Technical Advisory Panel,
 Chair: 2007–2009, member: 2006–2007.
 National Bureau of Economic Research (NBER), Research Associate, 2004–2015.
 Transparency International, Chilean Chapter. Advisory Committee member, 2008–2010, 2012–2014.
 Bi-weekly column, *La Tercera*, 2001–2018.
 Bi-weekly column, *Qué Pasa*, 2000–2001.
 Member of the American Economic Association, the Econometric Society, and the Latin American
 and Caribbean Economic Association (LACEA).

REFeree FOR:

American Economic Review, Econometrica, Economic Journal, Economics of Transition, European
 Economic Review, J. of Development Economics, J. of Economic Literature, J. of the European Eco-
 nomic Association, J. of Labor Economics, J. of Law and Economics, J. of Macroeconomics, J. of
 Monetary Economics, J. of Political Economy, J. of Time Series Analysis, National Science Founda-
 tion, Quarterly Journal of Economics, Review of Economic Studies, Review of Economics and Statis-
 tics, Scandinavian Journal of Economics, Social Science and Humanities Research Council (Canada),
 World Development, Zeitschrift für Nationalökonomie and others.

SEMINARS:

BLS, Brown, Carnegie–Mellon, Catholic University (Caracas, La Paz, Rio, Santiago), Columbia, Cor-
 nell, Duke, Ecole des Ponts et des Chaussées, FGV (Rio and Sao Paulo), Harvard (Economics, JFK,
 Statistics), Hebrew University, Humboldt University, IADB, IMF, IMPA, Imperial College, Insper
 (Sao Paulo), ITAM, LSE, MIT, NBER, NIST, NYU, Oxford, Paris School of Economics, Princeton,
 PUC Rio, Stanford, U. Alberto Hurtado, U. Austral, U. Diego Portales, U. of Chile, UC Davis, UCL,
 UCLA, UC San Diego, UC Santa Cruz, U. de Montevideo, U. of Chicago, U. of Haifa, U. of Lau-
 sanne, U. of Maryland, U. of Michigan, U. of Pennsylvania, U. Pompeu Fabra, U. of San Andrés, U.
 of Tel Aviv, U. of Texas at Austin, U. of Toronto, U. of Toulouse, U. of Texas (Austin), U. Torcuato
 Di Tella, U. Pompeu Fabra, Wharton, Wesleyan, World Bank Yale and others.

OTHER POSITIONS:

Short Course on “The Economics of Public-Private Partnerships:” Toulouse School of Economics (January 2010). Proinversión (Lima, August 2012); Pronicaragua (Managua, December 2014), IADB (Washington DC, May 2013; San José, June 2013; Quito, April 2014; Bogotá, May 2015; Miami, September 2015; Panama, August 2017; Trinidad, October 2017; Buenos Aires, March 2018; Paramaribo, May 2018; Nassau, July 2018; Bogotá, September 2018; Santo Domingo, November 2018; Asunción, March 2019; San José, June 2019; Quito, October 2019).

Short Course on “Lumpy Adjustment and Real Effects of Monetary Policy”. Central Bank of Chile. July, 2009.

Short Course on “Heterogeneity in Macroeconomics.” 13th ZEI International Summer School. University of Bonn. June, 2009.

Short Course on “Public-Private Partnerships.” IMF Institute, 2004–2008.

Short Course on “Heterogeneity in Macroeconomics,” CEA, U. of Chile, 2002, 2005, 2008.

Advisory work for the World Bank, International Monetary Fund, Inter-American Development Bank, Central Bank of Chile. Multiple occasions.

Advisory work for the government of Chile: Ministries of Finance, Industry, Public Works and Labor, Chilean Copper Commission (Cochilco), National Petroleum Company (ENAP) and Internal Revenue Service (SII). Multiple Occasions.

Member, Editorial Committee, *Good Jobs Wanted: Labor Markets in Latin America, Economic and Social Progress (IPES) Report 2004*, Inter-American Development Bank, 2002–2003.

Visiting Professor, Stanford University, 1998–1999.

Director, Center for Applied Economics (CEA), U. of Chile, 1996–1998 and 2000–2001.

Research Fellow, CIEPLAN, Santiago, Chile, 1989–1993.

Project Director. External Shocks and Stabilization. Inter-American Development Bank. 1991–1992.

WORKING PAPERS, PAPERS SUBMITTED AND UNDER REVISION:

“Managing the Fiscal Risks Wrought by PPPs: A Simple Framework and Some Lessons from Chile,” (with M. Ferrari, R. Fischer and A. Galetovic), Policy Research Paper 10056, World Bank Group. May 2022.

“Financing PPP projects with PVR contracts: Theory and Evidence from the UK and Chile,” (with R. Fischer, A. Galetovic and J. Soto). May 2019.

“Renegotiations and corruption in infrastructure: The Odebrecht Case,” (with N. Campos, R. Fischer and A. Galetovic). January 2019. Latest version: May 2019.

“Dealing with the Obsolescence of Transport Infrastructure in Public-Private Partnerships,” (with R. Fischer and A. Galetovic). December 2018.

“The Deterrence Power of Supreme Audit Institutions: Experimental Evidence from Chile,” (with F. Jordán, T. Rau and A. Repetto).

“Missing Aggregate Dynamics: On the Slow Convergence of Lumpy Adjustment Models,” (with D. Berger and R. Caballero). Latest version: November 2018.

- “Determinantes de la participación electoral en Chile,” (with A. Bucarey and M. Jorquera), working paper, FEN, U. de Chile, April 2013.
- “Public-Private Partnerships to Revamp U.S. Infrastructure,” Discussion Paper No. 2011-02, Hamilton Project, Brookings Institution, Washington, DC. February 2011.
- “On the efficient provision of roads,” (with R. Fischer and A. Galetovic). Mimeo, April 2009.
- “The Educational Transition and Decreasing Wage Inequality in Chile,” (with J. Eberhard). Mimeo. November, 2008.
- “Public-Private Partnerships: When and How,” (with R. Fischer and A. Galetovic), Mimeo. July, 2008.
- “Price Stickiness in S_s Models: Basic Properties,” (with Ricardo Caballero), October 2006.
- “Competition in or for the Field: Which is Better?”, (with R. Fischer and A. Galetovic), latest version: September 2002.
- “Optimal Fiscal Strategy for Oil Exporting Countries”, (with R. Valdés), Working Paper No. 78, Center of Applied Economics (CEA), Dep. Ind. Engineering, U. of Chile, June 2000.
- “Understanding Tax Evasion Dynamics”, (with J. Hines), NBER Working Paper No. 6903. January 1999.

BOOKS AND MONOGRAPHS:

- “Informe del Grupo Asesor de Expertos en anticorrupción, transparencia e integridad para América Latina y el Caribe,” (con D. Ferreira, D. Kaufmann, A. Lara , J. Londoño, B. Noveck, M. Pieth, S. Rose-Ackerman), Banco Interamericano de Desarrollo, November 2018
- The Economics of Public-Private Partnerships: A Basic Guide*, (with R. Fischer and A. Galetovic), Cambridge University Press, 2014. Translated into Chinese and Japanese.
- External Shocks and Stabilization Mechanisms*, (co-editor: P. Meller), Washington D.C.: Inter-American Development Bank and Johns Hopkins University Press, 1993.
- A Road to Randomness in Physical Systems*, Springer Lecture Notes in Statistics No. 71, New York: Springer Verlag, 1992.

JOURNAL ARTICLES:

- “Audit Threats and Year-End Spending by Government Agencies: Experimental Evidence from Chile,” (with F. Jordan, T. Rau and A. Repetto), *J. of Public Procurement*, accepted.
- “Private finance of public infrastructure,” (with R. Fischer and A. Galetovic), *Annual Review of Financial Economics*, **14**, 339–335, 2022.
- “The Ways of Corruption in Infrastructure: Lessons From the Odebrecht Case,” (with N. Campos, R. Fischer and A. Galetovic), *J. of Economic Perspectives*, **35** (2), 171–190, Spring 2021.

- “Soft budgets and endogenous renegotiations in transport PPPs: An equilibrium analysis,” (with R. Fischer and A. Galetovic), *Economics of Transportation*, **17**, 40–50, March 2019.
- “Using small businesses for individual tax planning: evidence from special tax regimes in Chile,” (with C. Agostini, A. Repetto and D. Vergara). *International Tax and Public Finance*, **25**(6), 1449–1489. December 2018.
- “The Joy of Flying: Efficient Airport PPP Contracts,” (with R. Fischer and A. Galetovic), *Transportation Research Part B*, **114**, 131–146, 2018.
- “Risk and Public-Private Partnerships,” (with R. Fischer and A. Galetovic), *CESifo DICE Report*, 3/2014.
- “Aggregate Implications of Lumpy Investment: New Evidence and a DSGE Model,” (with R. Bachmann and R. Caballero), *American Economic Journal: Macroeconomics*, **5** (4), 29–67, 2013.
- “Highway networks and PPPs: An alternative to traditional public provision?,” (with R. Fischer and A. Galetovic), *Network Industries Quarterly*, **15** (1), 6–9, 2013.
- “The Basic Public Finance of Public-Private Partnerships,” (with R. Fischer and A. Galetovic), *J. of the European Economic Association*, **11**, 83–111, 2013.
- “Effective Labor Regulation and Microeconomic Flexibility,” (with R. Caballero, K. Cowan and A. Micco), *J. of Development Economics*, **101**, 92–104, 2013.
- Comment on N. Barr and P. Diamond, “Reforming pensions: Lessons from economic theory and some policy directions,” *Economia, The Journal of the Latin American and Caribbean Economics Association (LACEA)*, **11**, 1, 15–23, 2010.
- “The economics of infrastructure finance: Public-Private Partnerships versus public provision,” (with R. Fischer and A. Galetovic), *EIB Papers*, **15**, 41–69, 2010.
- “Price Stickiness in Ss Models: New Interpretations of Old Results,” (with R. Caballero), *J. of Monetary Economics*, **54**, 100–121, 2007.
- “Privatizing Highways in the United States,” (with R. Fischer and A. Galetovic), *Review of Industrial Organization*, **29**, 27–53, 2006.
- “Highway Franchising and Real Estate Values,” (with R. Fischer and A. Galetovic), *J. of Urban Economics*, **57**, 432–448, 2005.
- “Three Strikes and You’re Out: Reply to Cooper and Willis,” (with R. Caballero), *American Economic Review*, **94** (4), 1238–1244, September 2004.
- “How to Auction a Bottleneck Monopoly when Underhand Vertical Agreements are Possible”, (with R. Fischer and A. Galetovic), *J. of Industrial Economics*, **52** (3), 427–455, September 2004.
- “Could Higher Taxes Increase the Demand for Capital?: Theory and Evidence from Chile”, (with A. Bustos and A. Galetovic), *J. of Development Economics*, **73**, 2004, 675–697.
- “Toll Competition Among Congested Roads”, (with R. Fischer and A. Galetovic), *Topics in Economic Analysis & Policy*, **4** (1), 2004, Article 4.

- “Privatizing Highways in Latin America: Fixing What Went Wrong,” (with R. Fischer and A. Galetovic), *Economia, The Journal of the Latin American and Caribbean Economics Association (LACEA)*, **4**(1), October 2003, 129–158.
- “A New Approach to Private Roads,” (with R. Fischer and A. Galetovic), *Regulation*, Fall 2002, 18–22.
- “Least-Present-Value-of-Revenue Auctions and Highway Franchising”, (with R. Fischer and A. Galetovic), *J. of Political Economy*, **109** (5), October 2001, 993–1020.
- “A Note on Enforcement Spending and VAT Revenues”, (with A. Galetovic and C. Raddatz), *Review of Economics and Statistics*, **83** (2), May 2001, 384–387.
- “Poisoned grapes, mad cows, and protectionism”, *J. of Policy Reform*, **4** (2), 91–111, 2000.
- “Explaining Investment Dynamics in US Manufacturing: A Generalized (S, s) Approach,” (with R. Caballero), *Econometrica*, **67** (4), 783–826, July 1999.
- “Taxes and Income Distribution in Chile: Some Unpleasant Redistributive Arithmetic,” (with A. Galetovic and C. Raddatz), *J. of Development Economics*, **59** (1), 155–192, June 1999. Translation into Spanish published in *Trimestre Económico*, **280**, October-December 2003.
- “Highway Franchising: Pitfalls and Opportunities”, (with R. Fischer and A. Galetovic), *American Economic Review, Papers and Proceedings*, **87** (2), 68–72, May 1997. Reprinted in D. Grimsey and M.K. Lewis, eds., *The Economics of Public Private Partnerships*, Cheltenham, UK: Edward Elgar, February 2005.
- “Aggregate Employment Dynamics: Building from Microeconomic Evidence”, (with R. Caballero and J. Haltiwanger), *American Economic Review*, **87** (1), 115–137, March 1997.
- “Plant-Level Adjustment and Aggregate Investment Dynamics”, (with R. Caballero and J. Haltiwanger), *Brookings Papers on Economic Activity*, 1995 (2), 1–39, 1995
- “Consumer Protection Policies and Rational Behavior”, *Revista de Análisis Económico*, **10**:2, 183–202, 1995
- “Microeconomic Rigidities and Aggregate Price Dynamics”, (with R. Caballero), *European Economic Review*, **37** (4), 697–711, 1993
- “Let’s Make a Deal!”, (with A. Venetoulis), *Mathematical Scientist*, **18**, 73–84, 1993
- “Microeconomic Adjustment Hazards and Aggregate Dynamics”, (with R. Caballero), *Quarterly Journal of Economics*, **108** (2), 359–383, 1993
- “Heterogeneity and Output Fluctuations in a Dynamic Menu-Cost Economy”, (with R. Caballero), *Review of Economic Studies*, **60** (1), 95–119, 1993
- “Beyond the Partial Adjustment Model”, (with R. Caballero), *American Economic Review, Papers and Proceedings*, **82** (2), 360–364, May 1992
- “The Chilean Plebiscite: Projections Without Historic Data”, (with A. Venetoulis), *J. of the American Statistical Association*, **87**, 933–941, 1992

- “Monty Hall’s Probability Puzzle”, (with A. Venetoulas), *Chance*, **4**, 6–9, 1991
- “Dynamic (S, s) Economies”, (with R. Caballero), *Econometrica*, **59** (6), 1659–1686, November 1991; reprinted in E. Sheshinski and Y. Weiss, eds., *Optimal Pricing, Inflation, and the Cost of Price Adjustment*, MIT Press, 1993
- “A Subjective Guide to Objective Chance”, (with P. Diaconis), *Statistical Science*, **1**, 171–174, 1986
- “Precision of Circadian Wake and Activity Onset Timing in the Mouse”, (with D. K. Welsh, G. Richardson and W. Dement), *J. Comparative Physiology A*, **158**, 827–834, 1986
- “A Unified Approach to the Study of Sums, Products, Time-Aggregation and other Functions of ARMA Processes”, *J. Time Series Analysis*, **5**, 159–171, 1984

BOOK CHAPTERS:

- “The regulation of Public-Private Partnerships,” (with R. Fischer and A. Galetovic), forthcoming in A. Tirachini and E. Verhoef, *Handbook on Transport Pricing and Financing*
- “Taxes, Transfers, and Income Distribution in Chile: Incorporating Undistributed Profits,” in N. Lustig (editor). *Commitment to Equity Handbook: Estimating the Impact of Fiscal Policy on Inequality and Poverty*. 2nd Edition. Brookings Institution Press. 2022.
- “When and How to Use Public-Private Partnerships in Infrastructure: Lessons from the International Experience,” with R. Fischer and A. Galetovic, chapter 6 in E. Glaeser and J. Poterba (eds), *Economic Analysis and Infrastructure Investment*, National Bureau of Economic Research, 2021.
- “Urban Transport: Can Public-Private Partnerships Work?,” with A. Galetovic, chapter 7 in *The Urban Imperative: Towards Competitive Cities*, Edward Glaeser and Abha Joshi-Ghani (eds), Oxford University Press, 2015.
- “Finance and Public-Private Partnerships,” Chapter 7 in A. Heath and M. Read (eds.), *Financial Flows and Infrastructure Financing*. Reserve Bank of Australia, 2014.
- “Chile’s Fiscal Rule as Social Insurance,” with C. Neilson and R. Valdés, Chapter 10 in L. F. Céspedes and J. Gali, (eds), *Fiscal Policy and Macroeconomic Performance*, Central Bank of Chile, 2013.
- “Optimal Resource Extraction Contracts Under Threat of Expropriation,” with R. Fischer, chapter 5 in W. Hogan and F. Sturzenegger, editors, *Populism and Natural Resources*, Cambridge, Mass.: MIT Press, 2010.
- “The New Reality of Public Finance,” in P. Arriarán (editor), *Visions From Finis Terrae: Chilean Voices in the United States*, Washington, D.C.: Inter-American Dialogue, 105–113, 2008.
- Comment on “Infrastructure and Development” by Rémy Prud’homme, in F. Bourguignon and B. Pleskovic (eds.), *Annual World Bank Conference on Development Economics: Lessons from Experience*. 181–187, 2005.

- “Microeconomic Flexibility in Latin America,” with R. Caballero and A. Micco, in J. Restrepo and A. Tokman (eds). *Labor Markets and Institutions*, Santiago: Central Bank of Chile, 1–38, 2004. Translation into Spanish published in *Economía Chilena*, 7 (2), 329–366, 2004. Also available as NBER Working Paper No. 10398, March 2004.
- “Infrastructure Franchising and Government Guarantees”, with R. Fischer and A. Galetovic, in T. Irwin, M. Klein, G. Perry and M. Thobani (eds), *Dealing with Public Risk in Private Infrastructure*, Washington, D.C.: World Bank, 89–105, 1997. Reprinted in *Revista de Análisis Económico*, 13, 1, 51–74, 1998.
- “Revenue Based Auctions and the Unbundling of Infrastructure Franchises”, with R. Fischer and A. Galetovic, in *Alternatives to Traditional BOTs for Financing Infrastructure Projects*, Washington, D.C.: Inter-American Development Bank, forthcoming.
- “A New Method for Auctioning Highways”, (with R. Fischer and A. Galetovic), *Public Policy for the Private Sector*, 5–8, June 1997. Reprinted in S. Smith (ed), *The Private Sector in Infrastructure*, Washington, D.C.: World Bank, September 1997.
- “Poisoned grapes, mad cows, and protectionism”, in Spanish, in R. Fischer (ed), *The New Faces of Protectionism*, Santiago: Dolmen, 89–127, 1997.
- “A New System for Auctioning High School Textbooks”, (with F. Alliende, E. Barros, J. Cauas, B. Eyzaguirre, L. Fontaine, A. Fontaine, F. P’erez, L. Sierra), in Spanish, in B. Eyzaguirre and L. Fontaine (eds), *The Future at Risk: Our High School Textbooks*, Santiago: Centro de Estudios Públicos, 415–453, 1997
- “The Basics of Consumer Protection: Principles and Policies”. Chap. 6 in C. Frischtack (ed), *Regulatory Policies and Reform: A Comparative Perspective*, Washington, D.C.: World Bank, 104–130, 1995.
- “Beyond the Basics of Consumer Protection”, Chap. 7 in C. Frischtack (ed), *Regulatory Policies and Reform: A Comparative Perspective*, Washington, D.C.: World Bank, 131–143, 1995.
- “Review of External Shocks and Stabilization Mechanisms”, (with P. Meller), Chap. 1 in E. Engel and P. Meller (eds), *External Shocks and Stabilization Mechanisms*, Washington D.C.: IADB and Johns Hopkins University Press, 1–23, 1993
- “Transitory Shocks and Stabilization Mechanisms: The Chilean Case”, (with M. Basch), Chap. 2 in E. Engel and P. Meller (eds), *External Shocks and Stabilization Mechanisms*, Washington D.C.: IADB and Johns Hopkins University Press, 25–111, 1993.

POLICY REPORTS:

- “Report of the Expert Advisory Group on Anti-Corruption, Transparency, and Integrity in Latin America and the Caribbean,” (with D. Ferreira, D. Kaufmann, A. Lara , J. Londoño, B. Noveck, M. Pieth, S. Rose-Ackerman), IADB, November 2018

JOURNAL ARTICLES IN SPANISH:

- “Pandemic in Chile: Coming Challenges,” *Annals of the Institute of Chile*, **Vol. XXXIX**, 281–290, 2020.
- “Public-Private Partnerships in Infrastructure: Reforming the Spanish Toll Road Concessions System,” (with R. Fischer, A. Galetovic and G. de Rus), *Cuadernos de Extensión Jurídica*, **31**, 2018.
- “Renegotiation of concessions in Chile,” (with R. Fischer, A. Galetovic and M. Hermosilla), *Estudios Públicos*, 151–205, Summer 2009.
- “Chile: Two or more blocks?”, (with A. Hernando), *Perspectivas en Política, Economía y Gestión*, **6**, 219–230, September 2003.
- “What should be done with the Capital Gains Tax”, (with A. Galetovic), *Estudios Públicos*, **79**, 199–236, Winter 2000.
- “Taxes and Income Distribution in Chile: Is the VAT regressive?,” (with A. Galetovic and C. Raddatz), *Perspectivas en Política, Economía y Gestión*, **2** (2), 333–345, 1999
- “Consumer Protection in Chile: Why so little and so late?”, *Perspectivas en Política, Economía y Gestión*, **1** (2), 145–166, 1998
- “How to Auction an Urban Road Franchise”, (with R. Fischer and A. Galetovic), *Estudios Públicos*, **67**, 177–214, 1997
- “Reply to Klein and Tirole”, (with R. Fischer and A. Galetovic), *Estudios Públicos*, **67**, 215–225, 1997
- “Auctioning Highways in Chile”, (with R. Fischer and A. Galetovic), *Estudios Públicos*, **60**, 5–37, 1996
- “Evolution of Voting Behavior in Chile: From the Plebiscite of 1988 to the Presidential Election of 1989”, *Colección de Estudios CIEPLAN*, **28**, 73–84, 1990.
- “Unemployment, Historic Voting Behavior, and the Plebiscite of 1988”, (with M. Araos), *Colección de Estudios CIEPLAN*, **27**, 5–17, 1989
- “Characterization of Discrete ARMA Processes in Terms of Difference Equations Satisfied by their Autocorrelation Function”, *Sigma*, **8**, 23–34, 1981
- “A Deterministic Alias-Free Sampling Technique”, *Sigma*, **7**, 19–22, 1981

BOOKS IN SPANISH:

- Reformas anticorrupción en Chile (2015–2017): Cómo se hizo para mejorar la democracia*, (with M. Aris and M. Jaraquemada), Santiago: Konrad Adenauer Stiftung y Espacio Publico, August 2019.
- Economía de las asociaciones público-privadas: Una guía básica*, (with R. Fischer and A. Galetovic), México: Fondo de Cultura Económica, March 2014.
- Que gane el más mejor: Mérito y competencia en el Chile de hoy*, (with P. Navia), Santiago: Random House, August 2006.

BOOK CHAPTERS IN SPANISH:

- “Transparency, Citizens and Trust in Institutions,” in *Probity and Transparency in the Judiciary*, Judiciary of Chile, 2022.
- “Red flags and corruption: An empirical investigation,” (with T. Cortés), in *Corruption in Latin America: Comparative Analysis and Proposals*. FLACSO, IMCO, CSP, BID, Espacio Público, Fedesarrollo. 2021.
- “Impact of new disclosure of assets and interest requirements in Chile,” (with T. Cortés and M. Jorquera), in *Corruption in Latin America: Comparative Analysis and Proposals*. FLACSO, IMCO, CSP, BID, Espacio Público, Fedesarrollo. 2021.
- “State capacities, public management and the prevention of corruption” in L. Carranza, ed., *The Challenge of Development in Latin America. Policies for a more productive, integrated and inclusive region*. Bogotá, Colombia: CAF. 2020.
- “Civil society and anticorruption reforms: Chile and the world, past and present,” in I. Arcos (ed), *Toward a new probity agenda*, Santiago: Centro UC-MinSegpres-BID, 2017.
- “José Zalaquett and political parties in Chile: Tale of a premonitory report,” (with M. Jaraquemada and M. Ríos), in *Conquering Human Rights: A Tribute to José Zalaquett*, Santiago: Thomson-Reuters, 2017.
- Comment on chapters by C. Agostini and S. Valdés, in F. J. Díaz and L. Sierra (eds), *Democracy with Political Parties. Report to reform political parties in Chile*, Santiago: CEP-CIEPLAN, 2012.
- “From Debtor to Creditor: The New Reality of Public Finances,” in J. Gatica, H. Beyer and J. Marshall (eds), *Institutions for Development: New Challenges*, Santiago: Expansiva-CEP, October 2007.
- “Forecasting the Price of Copper,” (with R. Valdés), Chapter 7 in P. Meller (ed), *Dilemmas and Debates Related to Copper*, Santiago: Dolmen-CEA, 2002.
- “Copper and Chile’s Optimal Fiscal Strategy,” (with A. Drexler and R. Valdés), in F. Morand’e and R. Vergara (eds), *Empirical Analysis of Saving in Chile*, Santiago: CEP-Central Bank of Chile , 2002, 263–280.
- “The Chilean Infrastructure Concessions Program: Evaluation, Lessons and Prospects for the Future”, (with R. Fischer and A. Galetovic), in F. Larraín and R. Vergara (eds), *The Economic Transformation of Chile*, Santiago: CEP, 201–246, 2000.
- “Employment and Productivity Dynamics in Chilean Manufacturing: Micro Evidence and Macro Consequences”, (with A. Camhi and A. Micco), Chap. 9 in F. Morandé and R. Vergara (eds), *Empirical Analysis of Growth in Chile*, Santiago: CEP and ILADES, 197–225, 1997.

POLICY REPORTS IN SPANISH:

- “Crisis of Isapres: Ways to Solve a Chronic Problem,” (with P. Benavides, E. Bitrán, B. García and M. Salinas), Espacio Público, May 2023.

- “Self-loans in the Pension System: Analysis of the Proposed Legal Reform of the Pension System,” (with P. Benavides, P. Domínguez, A. Repetto and M. Salinas), Espacio Público. Public Policy Note No. 1, April 2023.
- “Recommendations for Reforming the Public Infrastructure Sector,” (with N. Campos, R. Fischer and A. Galetovic), Espacio Público, April 2020.
- “Interviews of Key Agents in the Provision of Infrastructure,” (with N. Campos, R. Fischer and A. Galetovic), Espacio Público, January 2020.
- “Description and Analysis of Public Information on the Odebrecht Case,” (with N. Campos, R. Fischer and A. Galetovic), Espacio Público, June 2019.
- “Relevant Institutions for the Provision of Public Infrastructure in Latin America,” (with N. Campos, R. Fischer and A. Galetovic), Espacio Público, May 2019.
- “Governance of the Public Infrastructure Sector,” (with N. Campos, R. Fischer and A. Galetovic), Espacio Público, May 2019.
- “Analysis of the Implementation of New Campaign Finance and Political Party Financing Legislation: Lupa Electoral 2016 and 2017,” (with N. Campos M. Jaraquemada and D. Vergara), Espacio Público, October 2018.
- “Efficient policies for infrastructure investment and pricing in Spain,” (with R. Fischer and A. Galetovic), Fedea Policy Paper 2018/01, January 2018.
- “Principles for a reform of the pensions system,” (with E. Fajnzylber, P. Fernández, S. Gray, A. Repetto and D. Vergara), Espacio Público, July 2017.
- “Leveling the playing field: New institutions for legislative action,” (with C. Agostini, A. Repetto, F. Sara and R. Wagner), Espacio Público, 2016.
- “Clarifying the rules of the game: Proposals for a better coordination between SERNAC and sectoral regularos,” (with D. Pardow), Espacio Público, July 2015.
- “A Framework to Measure the Economic Value of Supreme Audit Institutions: The Case of Chile’s General Comptroller,” (with F. Huneeus, F. Jordán, A. Leslie, R. Letelier, A. Montecinos, T. Rau, A. Repetto and F. Sara). June, 2015.
- “Presidential Advisory Council Against Conflicts of Interest, Influence Peddling and Corruption: Final Report” (with B. Baranda, A. Castañón, V. Corbo, R. Costa, A. Etcheberry, O. Feliú, C. Fuentes, J.A. Murillo, A. Repetto, M. Riesco, M. Ríos, L. Sierra, A. Squella, P. Veloso, D. Zovatto).
- “More democracy for Chile: proposals to advance toward a healthy relation between money and politics” (with A. Ferreira and E. Ríos), Espacio Público, December 2014.
- “Toward a society without abuse: Proposals for an effective consumer protection,” (with E. Muñoz y A. Repetto), Espacio Público, August 2013.

PH.D. DISSERTATION COMMITTEES (all at Yale University, with placement, *committee chair):

Donald Harding (La Trobe University, 2003)
 Nicola Fuchs-Schündeln (Harvard University, Department of Economics, 2004)
 Borja Gracia (International Monetary Fund, Research Department, 2005)
 Marco Oviedo (Ministry of Finance, Mexico, 2005)
 Santiago Bazdresch (University of Minnesota, Finance, 2006)
 *Rüdiger Bachmann (University of Michigan, Department of Economics, 2007)
 Carolina Silva (Universidad de Alicante, Department of Economics, 2009)
 Juan Eberhard (University of Southern California, Marshall School of Business, 2010)
 Marnix Amand (Dutch Central Bank, 2011)
 David Berger (Northwestern University, Department of Economics, 2012)
 *Joseph Vavra (University of Chicago, Booth School of Business, 2012)
 Sebastian Heise (Federal Reserve Bank of New York, 2016).

MASTERS DISSERTATION ADVISEES (all at U. of Chile, with graduate program placement):

Alejandro Micco, 1995 (Ph. D. Economics, Harvard).
 Alexis Camhi, 1995 (MBA, MIT).
 Marí Lila Iwasaki, 1995 (APCI, Peru)
 Alejandro Neut, 1996 (Ph. D. Economics, MIT).
 Alvaro Bustos, 1996 (Ph. D. Economics, Princeton).
 Claudio Raddatz, 1997 (Ph. D. Economics, MIT).
 Daniel Hojman, 1998 (Ph. D. Economics, Harvard).
 Julio Ilabaca, 1998 (ISCI).
 Andrés Hernando, 1999 (Ph. D. Economics, Harvard).
 Alejandro Drexler, 2000 (Ph. D. Finance, MIT).
 Felipe Jordán, 2014 (Ph. D. Political Economy and Government, Harvard)
 Francisca Sara, 2015 (Ph. D. Economics, Chicago).
 Damián Vergara, 2016 (Ph. D. Economics, Berkeley).
 Mohit Karnani, 2018 (Ph. D. Economics, MIT).
 Bernardo Candia, 2018 (Ph. D. Economics, Berkeley).
 Andrés Leslie, 2019 (Inter-American Development Bank).
 Miguel Jorquera, 2019 (Ph. D. Economics, Northwestern).
 Luis Muñoz, 2021 (Fiscalía Nacional Económica).
 Catalina Gómez, 2022 (Ph. D. Economics, Columbia).
 Martín Ferrari, 2022 (Ph. D. Economics, Yale).
 Carlos Eggers, 2022 (Ph. D. Economics, Boston College).
 Francisco Díaz-Valdés, 2023 (Ph. D. Economics, UCLA).