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PRINCIPAL DUTIES

February 2006-Present

Director of the Growth Lab
Center for International Development
Kennedy School of Government, Harvard University

Rafik Hariri Professor of the Practice of
International Political Economy
Kennedy School of Government, Harvard University

October 2005-June 2019

Director of the Center for International Development
Kennedy School of Government, Harvard University

September 2000-July 2019

Professor of the Practice of Economic Development
Kennedy School of Government, Harvard University

ADDITIONAL EXPERIENCE

May 2022-Present

Co-Chair, Science Board, Sante Fe Institute

June 2020-April 2021

Co-Chair with Vicepresident Marta Lucía Ramirez of the
Colombian Internationalization Mission

2018-Present

International Advisory Council, Criteria Caixa

2013-2020

Senior Fellow, Advisory Council
MasterCard Center for Inclusive Growth

2019-Present

Member of the Science Board and External Faculty,
Santa Fe Institute

June 2004-June 2009

Chair of the International Advisory Group of the
Accelerated and Shared Growth Initiative for South
Africa

February 1994-August 2000

Chief Economist, Inter-American Development Bank

1992-June 1993

Minister of State and Head of the Presidential Office of
Coordination and Planning

Member of the Board, Central Bank of Venezuela
 Governor for Venezuela, World Bank
 Governor for Venezuela, Inter-American
 Development Bank
 Chairman, Joint Ministerial Committee for Development
 of the International Monetary Fund and the World Bank

- 1985-1992 Professor of Economics
 Instituto de Estudios Superiores de Administración,
 Caracas
- 1989-1991 Advisor on monetary and exchange rate policy to the
 President of the Central Bank of Venezuela
- 1988-1991 Visiting Fellow, Institute of Economics and Statistics &
 St. Anthony's College, Oxford
- 1987-1988 Economic Advisor, Presidential Commission on State
 Reform (COPRE)
- 1984-1985 General Director for Short-Term Planning
 Ministry of Planning and Coordination
 Responsibilities: Economic Cabinet
 Secretary, Coordinator of the Yearly Plan,
 Member of the Medium-Term Planning Committee
- 1981-1984 Assistant Professor of Economics
 Centro de Estudios de Desarrollo
 Universidad Central de Venezuela
 Teaching at the Masters Level: Macroeconomics,
 Venezuelan Economy, Economic Planning
- 1980-1981 Visiting Fellow, CEPREMAP, Paris

EDUCATION

- 1977-1981 Cornell University, Graduate School
 Department of Economics
- Fields of Concentration: Macroeconomics, Economic
 Development, Regional Planning
- Degrees: MA (1980); Ph.D. (1981)
 Dissertation: Oil Rent and Capital Accumulation in the
 Venezuelan Economy

1973-1977

Cornell University, School of Engineering
 Department of Engineering and Applied Physics
 Degree: B.Sc. in Engineering and Applied Physics

ACADEMIC ASSOCIATIONS

President, Latin American and Caribbean Economies Association (2010-11)
 Vice President, Latin American and Caribbean Economies Association (2008-09)
 President, Latin American Chapter of the Econometric Society (1996-97)
 Chairman, Latin American Meeting of the Econometric Society (1994)
 Member, Standing Committee, Latin American Chapter of the Econometric Society (1993-98)

BOARDS

CriteriaCaixa
 Advisory Board Member, Abengoa Administration (2013-16)
 Member, Board and Executive Committee, CANTV (2002-07)
 Member, Board of the Latin American and the Caribbean Economic Association (1994-2001)

CONSULTANT

African Development Bank
 Asian Development Bank
 CAF – Development Bank of Latin America
 Central Bank of Kazakhstan (2014-15)
 International Monetary Fund
 Ministry of Petroleum and Natural Resources, Saudi Arabia (2014-15)
 Nazarbayev University, Kazakhstan (2014-15)
 World Bank (2013)

PROJECTS

CURRENT

Structural Transformation in the UAE
 October 2021 – October 2023

Research Initiative to Promote Sustainable and Inclusive Prosperity in Namibia
 May 2020 – May 2023

Sustainable and Inclusive Growth in Kazakhstan
 May 2021 – December 2022

Research Initiative to Promote Sustainable and Inclusive Prosperity in South Africa
 October 2021 – December 2022

Advancing Economic Development and Environmental Sustainability in the Amazonian States in Colombia

September 2021 – August 2022

COVID-19 Economic Response and Long-term Growth in Jordan

August 2020 – August 2022

Advancing Economic Diversification in Ethiopia: Addressing Constraints to Sustained Growth and Job Creation

May 2019 – April 2022

PAST

Industry Diversification and Job Growth: An Economic Complexity Approach in the Kingdom of Saudi Arabia

June 2016 – October 2021

The Role of the Diaspora in the Internationalization of the Colombian Economy

March 2021 – June 2021

New Avenues for Colombia's Internationalization: Trade in Tasks

March 2021 – June 2021

A Research Initiative to Promote Sustainable and Inclusive Prosperity in Honduras

November 2020 – April 2021

Institutional Strengthening and Economic Diversification in Albania

October 2013 – February 2021

Venezuela's Economic Growth: Reconstruction, Governance, and Implementation

May 2018 – June 2020

Promoting Sustainable Economic Growth and Structural Transformation in the Amazon Region, Department of Loreto, Peru

November 2019 – May 2020

Macroeconomic Stability and Long-Term Growth in Jordan

February 2019 – March 2020

Realizing Economic Growth in Western Australia

June 2019 – April 2020

Connecting the Ukrainian Manufacturing Sector with Industrial Clusters in the West in the Context of Changing Technologies of Production and Distribution

June 2019 – August 2019

Privatization and Economic Diversification Training in Ethiopia
December 2018 – February 2019

Economic Development in the City of Buenos Aires, Argentina
November 2018 – December 2019

Growth Diagnostics: Building New Methods to Identify and Address Constraints to Accelerate Growth (MCC)
September 2018 – September 2019

Economic Growth in the States of Baja California, Tabasco, and Campeche, Mexico
January 2018 – September 2018

Economic Growth and Governance in Sri Lanka
January 2015 – September 2018

Economic Growth in the City of Hermosillo, Mexico
July 2017 – October 2017

Atlas of Economic Complexity of Colombia
July 2014 – April 2018

Security and Development Discussion Series
August 2016 – July 2017

Analysis of Economic Productive Potential of Panama
March 2016 – April 2018

The Product Space Research and Dissemination for CAF Development Bank of Latin America
November 2013 – January 2016

Analysis of Economic Productive Potential of The Southern States in Mexico
December 2014 – June 2015

Atlas of Economic Complexity of Peru
November 2014 – April 2016

Economic Growth in Mexico
June 2014 – February 2016

Sports Complexity and Governance Indicators
April 2013 – March 2016

Cutting Edge of Development Thinking for Uganda's National Development Plan
November 2012 – September 2013

Knowledge Provision for Mexico's WEF Summit 2012
January 2012 – June 2012

Implementing the National Development Strategy 2010-30: The Dominican Republic
January 2010 – June 2011

World Economic Forum: Mexico Growth Diagnostic
March 2008 – August 2008

Paraguay Growth Diagnostic
January 2007 – March 2007

Peru Growth Diagnostic and Structural Transformation
December 2006 – April 2007

Growth Diagnostics: Policy Priorities for South Africa
January 2006 – June 2008

Competitiveness of Non-Oil Sectors in Kazakhstan: Issues and Priorities in the Areas of Macroeconomic, Industrial, Trade, and Institutional Development Policies
December 2004 – March 2005

PUBLICATIONS

PAPERS

“Horrible trade-offs in a pandemic: Poverty, fiscal space, policy, and welfare.” May 2022. (with Ulrich Schetter). *World Development*, vol. 153.

“The new paradigm of economic complexity.” April 2022. (with Pierre-Alexandre Balland, Tom Broekel, Dario Diodato, Elisa Giuliani, Neave O’Clery, and David Rigby). *Research Policy*, vol. 51, issue 3.

“Productive Ecosystems and the arrow of development.” March 2021. (with Neave O’Clery and Muhammed A. Yildirim). *Nature Communications*.

“Implied Comparative Advantage.” January 2021. (with Daniel P. Stock and Muhammed A. Yildirim). *Research Policy*.

“Place-specific Determinants of Income Gaps: New Sub-national Evidence from Mexico.” January 2021. (with Carlo Pietrobelli and Miguel Angel Santos). *Journal of Business Research*.

“Knowledge Diffusion in the Network of International Business Travel.” August 2020. (with Michele Coscia and Frank Neffke). *Nature Human Behaviour*, vol. 4, no. 10.

- “Gender Differences in Professional Career Dynamics: New Evidence from a Global Law Firm.” April 2020. (with Ina Ganguli and Martina Viarengo). *Economica*, vol. 87, no. 346.
- “Smart Development Banks.” January 2020. (with Eduardo Fernández-Arias and Ugo Panizza). *Journal of Industry, Competition, and Trade*, vol. 19 no. 69.
- “Machine-Learned Patterns Suggest that Diversification Drives Economic Development.” January 2020. (with Charles D. Brummitt, Andrés Gómez-Liévano, and Matthew H. Bonds). *Journal of the Royal Society Interface*, vol. 17, no. 162.
- “The Workforce of Pioneer Plants: The Role of Worker Mobility in the Diffusion of Industries.” April 2019. (with Franke Neffke). *Research Policy*, vol. 48 no. 3, pp. 628-48.
- “Functional Structures of US State Governments.” November 2018. (with Stephen Kosack, Michele Coscia, Evann Smith, Kim Albrecht, and Albert-László Barabási). *Proceedings of the National Academy of Sciences of the United States of America*, vol. 115 no. 46, pp. 11748-53.
- “Welcome Home in a Crisis: Effects of Return Migration on the Non-Migrants' Wages and Employment.” January 2018. (with Ljubica Nedelkoska). *European Economic Review*, pp. 101-32.
- “Explaining the Prevalence, Scaling and Variance of Urban Phenomena.” December 2016. (with Andres Gomez-Lievano and Oscar Patterson-Lomba). *Nature Human Behaviour*, vol. 1.
- “Evidence That Calls-Based and Mobility Networks Are Isomorphic.” December 2015. (with Michele Coscia). *PLoS ONE*, vol. 10 no. 12, pp. 1-15.
- “Closing the Gender Gap in Education: What is the State of Gaps in Labor Force Participation for Women, Wives and Mothers?” 2014. (with Ina Ganguli and Martina Viarengo). *International Labour Review*, vol. 153 no. 2, pp. 173-208.
- “Marriage, Education and Assortative Mating in Latin America.” 2014. (with Ina Ganguli and Martina Viarengo). *Applied Economic Letters*, vol. 21 no. 12, pp. 806-811.
- “The Structure and Dynamics of International Development Assistance.” March 2013. (with Michele Coscia and César A. Hidalgo). *Journal of Globalization and Development*, vol. 3 no. 2, pp. 1–42.
- “The Dynamics of Nestedness Predicts the Evolution of Industrial Ecosystems.” November 2012. (with Sebastián Bustos, Charles Gomez, and César A. Hidalgo). *PLoS ONE*, vol. 7 no. 11, pp. 1-8.
- “Empirical Confirmation of Creative Destruction from World Trade Data.” June 2012. (with Peter Klimek and Stefan Thurner). *PLoS ONE*, vol. 7 no. 6.
- “The Building Blocks of Economic Complexity.” June 2009. (with César A. Hidalgo). *Proceedings of the National Academy of Sciences of the United States of America*, vol. 106 no. 26, pp. 10570-75.

“A Network View of Economic Development.” 2008. (with César A. Hidalgo). *Developing Alternatives*, vol. 12 no. 1, pp. 5-10.

“South Africa's Export Predicament.” September 2008. (with Bailey Klinger). *Economics of Transition*, vol. 16 no. 4, pp. 609-37.

“The Growing Current Account Surpluses in East Asia: The Effect of Dark Matter Assets.” June 2008. (with Maya Horii and Federico Sturzenegger). *International Economic Journal*, vol. 22 no. 2, pp. 141-61.

“The Missing Dark Matter in the Wealth of Nations and Its Implications for Global Imbalances.” July 2007. (with Federico Sturzenegger). *Economic Policy*, vol. 22 no. 51, pp. 470-518.

“The Product Space Conditions the Development of Nations.” July 2007. (with Cesar A. Hidalgo, Bailey Klinger, and Albert-Lazlo Barabási). *Science*, vol. 317 no. 5837, pp. 482-87.

“What You Export Matters.” March 2007. (with Jason Hwang and Dani Rodrik). *Journal of Economic Growth*, vol. 12 no. 1, pp. 1-25.

“The Valuation of Hidden Assets in Foreign Transactions: Why 'Dark Matter' Matters.” January 2007. (with Federico Sturzenegger). *Business Economics*, vol. 42 no.1, pp. 28-34.

“Commentary: Why the U.S. Current Account Deficit is Sustainable.” August 2006. (with Federico Sturzenegger). *International Finance*, vol. 9 no. 2, pp. 223-40.

“Getting the Diagnosis Right: A New Approach to Economic Reform.” March 2006. (with Dani Rodrik and Andrés Velasco). *Finance and Development*, vol. 43 no. 1, pp. 12-15.

“The Long-Run Volatility Puzzle of the Real Exchange Rate.” February 2006. (with Ugo Panizza and Roberto Rigobon). *Journal of International Money and Finance*, vol. 25 no. 1, pp. 93-124.

“Self-Discovery in a Development Strategy for El Salvador.” Fall 2005. (with Dani Rodrik). *Economia: Journal of the Latin American and Caribbean Economic Association*, vol. 6 no. 1, pp. 43-102.

“Growth Accelerations.” December 2005. (with Lant Pritchett and Dani Rodrik). *Journal of Economic Growth*, vol. 10, 2005, pp. 303-29.

“On the determinants of Original Sin: an empirical investigation.” December 2003. (with Ugo Panizza). *Journal of International Money and Finance*, vol. 22 no. 7.

“Economic Development as Self-Discovery.” December 2003. (with Dani Rodrik). *Journal of Development Economics*, vol. 72 no. 2, pp. 603-33.

“Hard Money’s Soft Underbelly: Understanding the Argentine Crisis.” 2002. (with Andres Velasco). *Brookings Trade Forum*.

“Is FDI a Safer Form of Financing?” March 2001. (with Eduardo Fernandez-Arias). *Emerging Market Reviews*, vol. 2, pp. 34-39.

“Why Do Countries Float the Way They Float?” December 2001. (with Ugo Panizza, and Ernesto Stein). *Journal of Development Economics*, vol. 66 no. 2, pp. 387-414.

“The impact of inflation on budgetary discipline.” December 2000. (with Joshua Aizenman). *Journal of Development Economics*, vol. 63 no. 2, pp. 425-49.

“Optimal Tax and Debt Policy with Endogenously Imperfect Creditworthiness (ITI).” 2000. (with Joshua Aizenman and Michael Gavin). *Journal of Inter-Development National Trade and Economic Policy*, pp. 367-95.

“Budget Institutions and Fiscal Performance in Latin America.” 1999. (with Alberto Alesina, Ernesto Stein, and Rudolf Hommes). *Journal of Development Economics*, vol. 59 no 2, pp. 253-73.

“El Manejo de la Política Fiscal en América Latina y el Caribe.” 1997. (with Michael Gavin, Roberto Perotti, and Ernesto Talvi). *Revista del Banco Central de Venezuela*, vol. 11 no. 1.

BOOKS

The Atlas of Economic Complexity: Mapping Paths to Prosperity. (with César A. Hidalgo, Sebastián Bustos, Michele Coscia, Alexander Simoes, and Muhammed A. Yildirim). Massachusetts Institute of Technology and Center for International Development, Harvard University, 2013.

Venezuela Before Chávez: Anatomy of an Economic Collapse. (edited with Francisco R. Rodríguez). Penn State University Press, 2013.

The Atlas of Economic Complexity: Mapping Paths to Prosperity. (with César A. Hidalgo, Sebastián Bustos, Michele Coscia, Sarah Chung, Juan Jimenez, Alexander Simoes, and Muhammed A. Yildirim). HKS Center for International Development and MIT Media Lab, 2011.

Other People's Money: Debt Denomination and Financial Fragility in Emerging Markets. (edited with Barry Eichengreen). University of Chicago Press, 2005.

“Fundación Salvadoreña para el Desarrollo Económico y Social.” *Estrategia y Economía Social 2004-2009 Oportunidades, Seguridad y Legitimidad: Bases para el Desarrollo*. 2003.

Global Finance from a Latin American Viewpoint. (edited with Ulrich Hiemenz). IDB/OECD Press, 2000.

Wanted: World Financial Stability. (edited with Eduardo Fernandez-Arias). IDB/Johns Hopkins University Press, 2000.

Democracy, Decentralization and Deficits in Latin America. (edited with Kiichiro Fukasaku). OECD Press, 1998.

Promoting Savings in Latin America. (edited with Helmut Reisen). OECD Press, 1997.

Banking Crises in Latin America. (edited with Liliana Rojas-Suárez). Inter-American Development Bank, 1996.

Securing Stability and Growth in Latin America: Policy Issues and Prospects for Shock-Prone Economics. (edited with Helmut Reisen). IDB/OECD Press, 1996.

Volatile Capital Flows: Taming Their Impact on Latin America. (edited with Liliana Rojas-Suárez). Johns Hopkins University Press, 1996.

Government Spending and Income Distribution in Latin America. (edited with Robert Rigobon). Johns Hopkins University Press, 1993.

America Latina, Alternative Para La Democracia. (with Alexis Alzuru, Julia Barragan, and Juan Carlos Rey). Monde Avila Editores, 1992.

Shocks Externos y Ajuste Macroeconomico. Ediciones IESA/Banco Central de Venezuela, 1992.

BOOK CHAPTERS

“Lack of progress cannot be solved by a redistributive strategy” in Ilan Goldfajn and Eduardo Levy Yeyati, eds., *Latin America: The Post-Pandemic Decade Conversations with 16 Latin American economists.* The Centre for Economic Policy Research Press, 2021.

“Economics of Covid-19 in three sub-Saharan African countries: Ethiopia, Namibia and South Africa” (with Patricio Goldstein), in Rabah Arezki, Simeon Djankov, and Ugo Panizza, eds., *Shaping Africa's Post-Covid Recovery.* The Centre for Economic Policy Research Press, 2021.

“Career Dynamics and Gender Gaps among Employees in the Microfinance Sector” (with Ina Ganguli and Martina Viarengo), in Siwan Anderson, Lori Beaman, and Jean-Philippe Platteau, eds., *Towards Gender Equity and Development.* Oxford University Press, 2018.

“Structural Transformation in Egypt, Morocco, and Tunisia: A Comparison with China, South Korea, and Thailand” (with Sebastián Bustos), in *Comparative Study on Export Policies in Egypt, Morocco, Tunisia, and South Korea.* African Development Bank, 2012.

“Export Diversification in Algeria” (with Bailey Klinger and José R. López-Cáliz), in José R. López-Cáliz, Peter Walkenhorst, and Ndiame Diop, eds., *Trade Competitiveness of the Middle East and North Africa: Policies for Export Diversification.* The World Bank, 2010.

- “Diagnosing the Binding Constraints on Economic Growth” (with Bailey Klinger), in *Towards a Sustainable and Efficient State: The Development Agenda of Belize*. Washington, DC: Inter-American Development Bank, 2010.
- “The Other Invisible Hand: High Bandwidth Development Policy,” in William Easterly and Jessica Cohen, eds., *What Works in Development? Thinking Big and Thinking Small*. Brookings Institution Press, 2009.
- “The Dynamics of the Gender Gap: How do Countries Rank in terms of Making Marriage and Motherhood Compatible with Work?” (with Ina Ganguli and Martina Viarengo), *Global Gender Gap Report*. Geneva: World Economic Forum Publication, 2009.
- “Growth Diagnostic: Mexico” (with Bailey Klinger), in Ricardo Hausmann, Emilio Lozoya Austin, and Irene Mia, eds., *The Mexico Competitiveness Report*. World Economic Forum, 2009.
- “Growth Diagnostics” (with Dani Rodrik and Andres Velasco), in Narcis Serra and Joseph E. Stiglitz, eds., *The Washington Consensus Reconsidered: Towards a New Global Governance*. Oxford University Press, 2008.
- “Monetary Policy Challenges for Turkey in the European Union Accession Process: Comments,” in Erdem Basci, Subidey Togan, and Jurgen von Hagen, eds., *Macroeconomic Policies for EU Accession*. Edward Elgar Publishing, 2007.
- “Macro Policy Challenges for Turkey: Some Comments,” in Erdem Basci, Subidey Togan, and Jurgen von Hagen, eds., *Macroeconomic Policies for EU Accession*. Edward Elgar Publishing, 2007.
- “The Challenge of Fiscal Adjustment in a Democracy: The Case of India” (with Catriona Purfield), in P.S. Helle and M.G. Rao, eds., *A Sustainable Fiscal Policy for India: An Alternative Perspective*. International Monetary Funds. Oxford University Press, 2006.
- “The Binding Constraints to Growth in Morocco,” in *Fostering Higher Growth and Employment in the Kingdom of Morocco*. The World Bank, 2006.
- “The Causes of Financial Crises: Moral Failure versus Market Failure” (with Andres Velasco), in M.A. Centano, H. James, and J. Londregan, eds., *The Political Economy of Recurrent Debt*. Princeton Institute for International and Regional Studies, 2005.
- “Towards a Strategy for Economic Growth in Uruguay” (with Andrés Rodríguez-Clare and Dani Rodrik), in *Economic and Social Study Series*. Inter-American Development Bank, 2005.
- “The Dollarization debate: is it over?” in Suthiphand Chirathivat, Emil-Maria Clasassen and Jurgen Schroeder, eds., *East Asia’s Monetary Future*. London, UK: Edward Elgar Press, 2004.
- “Disintegration and the Proliferation of Sovereigns: Are There Lessons for Integration?” (with Matias Braun and Lant Pritchett), in A. Estevadeordal, D. Rodrik, A.M. Taylor, and A. Velasco, eds., *Integrating the Americas*. Cambridge, MA: Harvard University Press, 2004.

“An Alternative Interpretation of the 'Resource Curse': Theory and Policy Implications” (with Roberto Rigobon), in J.M Davis, R. Ossowski, and A. Fedelino, eds., *Fiscal Policy Formulation and Implementation in Oil- Producing Countries*. Washington, D.C.: IMF Press, 2003.

“Good Credit Ratios, Bad Credit Rating: the role of debt structure” in G. Kopits, ed., *Rule-Based Fiscal Policy in Emerging Markets*. London, MacMillan 2003.

“Venezuela’s growth implosion: A neo-classical story?”, in D. Rodrik, ed., *Search of Prosperity*. Princeton, NJ: Princeton University Press, 2003.

“The Redesign of the International Financial Architecture from a Latin American Perspective: Who Pays the Bills?” (with Eduardo Fernandez Arias), in Leslie Elliot Armijo, ed., *Debating the Global Financial Architecture*. Albany, NY: State University of New York Press, 2002.

“Original Sin, Passthrough, and Fear of Floating.” (with Ugo Panizza and Ernesto Stein), in Mario I. Blejer and Marko Skreb, eds., *Financial Policies in Emerging Markets*. Cambridge, MA: MIT Press, 2002.

“Financial Development and Credit Crunches: Latin America and the World.” 2002. (with Matias Braun). Latin American Competitiveness Report 2002, CID-World Economic Forum.

“Foreign Direct Investment: Good Cholesterol?” (with Eduardo Fernández-Arias), in Jorge Braga de Macedo and Enrique V. Iglesias, eds., *Foreign Direct Investments Versus Other Flows to Latin America*. Paris: OECD, 2001.

“Inequality and the Family in Latin America” (with Miguel Székely), in N. Birdsall, A.C. Kelley, and S.W. Sinding, eds., *Population Matters*. London, UK: Oxford Press, 2001.

“Will the FDI Boom Bring More Growth?” (with Patricia Cortes), in Jorge Braga de Macedo and Enrique V. Iglesias, eds., *Foreign Direct Investment versus Other Flows to Latin America*. Paris: OECD, 2001.

“What's Wrong with International Financial Markets?” (with Eduardo Fernández-Arias), edited with U. Hiemenz, in *Global Finance from a Latin American Viewpoint*. IDB/OECD Press, 2000.

“Financial Turmoil and Choice of Exchange Rate Regime” (with Carmen Pagés-Serra, Michael Gavin, and Ernesto H. Stein), edited with E. Fernandez-Arias, in *Wanted: World Financial Stability*. Washington, D.C.: IADB/Johns Hopkins University Press, 2000.

“Preventing Crisis and Contagion: Fiscal and Financial Dimensions” (with Michael Gavin), edited with E. Fernandez-Arias, in *Wanted: World Financial Stability*. Washington, D.C.: IADB/Johns Hopkins University Press, 2000.

“Preventing Crisis and Contagion: The Role of International Financial Institutions” (with Michael Gavin and Eduardo Fernandez Arias), edited with E. Fernandez-Arias, in *Wanted: World Financial Stability*. Washington, D.C.: IADB/Johns Hopkins University Press, 2000.

“International Initiatives to Bring Stability to Financial Integration” (with Eduardo Fernández-Arias), edited with Eduardo Fernández-Arias, in *Wanted: World Financial Stability*. Washington, D.C.: IADB/Johns Hopkins University Press, 2000.

“Dealing with Negative Oil Shocks: The Venezuelan Experience in the Eighties,” in P. Collier and J. Gunning, eds., *Trade Shocks in Developing Countries: Africa (Trade Shocks in Developing Countries.)*. Cambridge, UK: Oxford Press, 2000.

“Exchange Rates and Financial Fragility” (with Barry Eichengreen), in *New Challenges for Monetary Policy*. Jackson Hole, WY: The Federal Reserve Bank of Kansas City, 1999.

“Managing Fiscal Policy in Latin America and the Caribbean: Volatility, Procyclicality, and Limited Creditworthiness” (with Michael Gavin, Roberto Perotti, and Ernesto Talvi), edited with K. Fukasaku, in *Democracy, Decentralisation and Deficits in Latin America*. IDB/OECD Press, 1998.

“Reforming Budgetary Institutions in Latin America: The Case for a National Fiscal Council” (with Barry Eichengreen and Jurgen Von Hagen), in Robert Picciotto and Eduardo Wiesner, eds., *Evaluation and Development: The Institutional Dimension*. World Bank, 1998.

“Getting the Lessons Right” (with Nancy Birdsall, and Michael Gavin), in S. Edwards and M. Naim, eds., *Mexico 1994: Anatomy of an Emerging-Market Crash*. Carnegie Endowment for International Peace, 1997.

“Adoption, Management and Abandonment of Multiple Exchange Rate Regimes with Import Controls: The Case of Venezuela,” in Miguel A. Kiguel, J. Saul Lizondo, and Stephen A. Connell, eds., *Parallel Exchange Rates in Developing Countries*. Basingstoke: MacMillan Press; New York: St. Martin’s Press, 1997.

“Make or Buy? Approaches to Financial Market Integration” (with Michael Gavin), in L. Rojas-Suarez, ed., *Safe and Sound Financial Systems. What Works for Latin America*. Washington, D.C.: IADB/Johns Hopkins University Press, 1997.

“Saving Behavior in Latin America: Overview and Policy Issues” (with Michael Gavin and Ernesto Talvi), in *Promoting Savings Latin America*. Washington, D.C.: IDB/OECD Press, 1997.

“The Roots of Banking Crises: The Macroeconomic Context” (with Michael Gavin), edited with L. Rojas-Suarez, in *Banking Crises in Latin America*. Washington, D.C.: IADB/Johns Hopkins University Press, 1996.

“Security Stability and Growth in a Shock Prone Region: The Policy Challenge for Latin America” (with Michael Gavin), edited with H. Reisen, in *Securing Stability & Growth in Latin America: Policy Issues and Prospects for Shock Prone Economies*. Cambridge, UK. IDB/OECD Press, 1996.

“Macroeconomics of Capital Flows to Latin America: Experience and Policy Issues” (with Leonardo Leiderman and Michael Gavin), edited with L. Rojas-Suarez, in *Volatile Capital Flows: Taming Their Impact on Latin America*. Washington, D.C.: IADB/Johns Hopkins University, 1996.

“Repercusiones de las Finanzas Publicas en Materia de Distribucion” in J.N. del Arco, ed., *Políticas de Ajuste y Pobreza: Falsos Dilemas, Verdaderos Problemas*. Washington, D.C.: Inter-American Development Bank, 1995.

WORKING PAPERS

“Cutting Putin’s Energy Rent: ‘Smart Sanctioning’ Russian Oil and Gas” April 2022. (with Agata ŁoskotStrachota, Axel Ockenfels, Ulrich Schetter, Simone Tagliapietra, Guntram Wolff, and Georg Zachmann). CID Faculty Working Paper No. 412.

“What Will It Take for Jordan to Grow?” March 2022. (with Tim O’Brien, Thảo-Nguyên Bùì, Ermal Frasherri, Fernando Garcia, Eric Protzer, and Ricardo Villasmil). CID Faculty Working Paper No. 411.

“The Economic Complexity of Namibia: A Roadmap for Productive Diversification.” March 2022. (with Miguel Angel Santos, Douglas Barrios, Nikita Taniparti, Jorge Tudela Pye, and Jessie Lu). CID Faculty Working Paper No. 410.

“A Growth Diagnostic of Namibia.” February 2022. (with Miguel Angel Santos, Douglas Barrios, Nikita Taniparti, Jorge Tudela Pye, Jose Francisco Muci, and Jessie Lu). CID Faculty Working Paper No. 405.

“Macroeconomic risks after a decade of microeconomic turbulence: South Africa 2007-2020.” January 2022. (with Federico Sturzenegger, Patricio Goldstein, Frank Muci, and Douglas Barrios). CID Faculty Working Paper No. 404.

“New Avenues for Colombia’s Internationalization: Trade in Tasks.” December 2021. (with Sebastian Bustos). CID Faculty Working Paper No. 401.

“The Role of the Diaspora in the Internationalization of the Colombian Economy.” May 2021. (with Ljubica Nedelkoska, Andre Assumpcao, Ana Grisanti, Matte Hartog, Julian Hinz, Jessie Lu, Daniela Muhaj, Eric Protzer, and Annalee Saxenian). CID Faculty Working Paper No. 397.

“Western Australia – Research Findings and Policy Recommendations.” April 2021. (with Douglas Barrios, Ana Grisanti, Semiray Kasoolu, Tim O'Brien, Eric Protzer, Rushabh Sanghvi, Nikita Taniparti, and Jorge Tapia). CID Faculty Working Paper No. 395.

“Economic Complexity Report for Western Australia.” April 2021. (with Eric Protzer, Jorge Tapia, and Ana Grisanti). CID Faculty Working Paper No. 394.

- “Growth Perspective on Western Australia.” April 2021. (with Douglas Barrios, Ana Grisanti, Semiray Kasoolu, Tim O’Brien, Eric Protzer, Rushabh Sanghvi, Nikita Taniparti, and Jorge Tapia). CID Faculty Working Paper No. 393.
- “Buscando virtudes en la lejanía: Recomendaciones de política para promover el crecimiento inclusivo y sostenible en Loreto, Peru.” December 2020. (with Miguel Ángel Santos, Jorge Tudela Pye, Frank Muci, Yang Li, Fernando Miralles-Wilhelm, Ana Cristina Grisanti, and Jessie Lu). CID Faculty Working Paper No. 388.
- “Diagnóstico de Crecimiento de Loreto: Principales Restricciones al Desarrollo Sostenible.” November 2020. (with Miguel Ángel Santos, Frank Muci, Jorge Tudela Pye, Ana Grisanti, and Jessie Lu). CID Faculty Working Paper No. 387.
- “La Riqueza Escondida de Loreto: Análisis de Complejidad Económica y Oportunidades de Diversificación Productiva” October 2020. (with Miguel Ángel Santos, Jorge Tudela Pye, Yang Li, and Ana Grisanti). CID Faculty Working Paper No. 386.
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