

## Liliana Rivera

Assistant Professor University of Los Andes, Bogotá, Colombia

Supply Chain Management & Technology Area

### Academic Background

2014	Ph.D. in Engineering Systems. Massachusetts Institute of Technology (MIT), Cambridge, MA
2010	M.Eng. in Logistics and Supply Chain Management. Massachusetts Institute of Technology (MIT), Cambridge, MA.
2004	M.A. in Environmental and Natural Resources Economics, Universidad de Los Andes, Bogotá, Colombia/ University of Maryland, College Park, MD.
2003	B.A. in Economics and Business, Universidad de Los Andes, Bogotá, Colombia.

### Teaching Experience

#### **COURSES TAUGHT IN RECENT YEARS**

##### **Graduate**

Supply chain management and digital transformation.  
Business challenge: Logistics and agri food exports in Colombia.  
Supply chains and artificial intelligence.  
Competitiveness, supply chain, and digital transformation.  
Supply chain management and operations.  
Global supply chain management.  
Supply Chain Management and Strategy.  
Introduction to Supply Chain Management.  
Operations Management.

##### **Undergraduate**

International Logistics.  
Logistics and International Trade.  
Political Economics.  
Microeconomics.  
Research Methods.

Academic Activities

2014 – 2022	Research Affiliate. MIT Center for Transportation and Logistics, Cambridge, MA.
2016 – 2020	Associate Professor. Universidad del Rosario, Bogotá, Colombia.
2015	Adjunct Professor. Fox School of Business, Temple University. Philadelphia, PE.
2014 – 2015	Associate Professor. Universidad Javeriana, Cali, Colombia.
2009 – 2014	Research Assistant. MIT Center for Transportation and Logistics, Cambridge, MA.
2007 – 2009	Associate Researcher. Private Council for Competitiveness, Bogotá, Colombia.
2004 – 2006	Economist Researcher. Colombian Institute of Environmental Law, Bogotá, Colombia.
2004	Research Assistant. Universidad de Los Andes, Bogotá, Colombia.
2002	Research Assistant. Bogotá Chamber of Commerce, Bogotá, Colombia.

Other Professional Activities

**CONSULTANCIES**

2022	Senior Consultant. National Department of Planning, Bogotá, Colombia.
2020 – 2021	Consultant. CAF – Development Bank of Latin America, Bogotá, Colombia.
2020 – 2022	Director and Senior Consultant. Logistec Consultores, Bogotá, Colombia
2016 – 2017	Senior Consultant. National Department of Planning, Bogotá, Colombia.
2016	Consultant. Centro Nacional de Consultoría, Bogotá, Colombia.
2015 – 2016	Director and Senior Consultant. Logistec Consultores, Bogotá, Colombia
2014	Senior Consultant. C-230 Consultores – IDEA Foundation México, Bogotá, Colombia.

Other Professional Experience

2020 – 2022	Director and Co-founder. Logistec Consultores, Bogotá, Colombia
2015 – 2016	Director and Co-founder. Logistec Consultores, Bogotá, Colombia
2007	Coordinator Environmental Studies. Bogotá Chamber of Commerce, Centro Habitat Urbano, Bogotá, Colombia
2005 – 2007	Advisor to the General Director. National Institute of Health, Bogotá, Colombia.

## Publications

## ARTICLES IN ACADEMIC JOURNALS

- 2021 Castañeda, JA., Zodzi, A., Gonçalves, P., and **Rivera, L.** 2021 An analysis of CARE Zimbabwe's emergency response process flow in the Masvingo Province through Lean Six Sigma tools, Production Planning & Control. <https://www.tandfonline.com/doi/abs/10.1080/09537287.2020.1834131>
- 2021 Patrucco A., **Rivera L.**, Mejia C., and Sheffi Y. 2021. Can you grow your supply chain without skills? The role of HRM for better SCM in Latin America. The International Journal of Logistics Management. <https://doi.org/10.1108/IJLM-11-2020-0426>
- 2021 Cortés-Sánchez, J.D., **Rivera, L.**, and Carbonell, K.B. 2021. Mission statements in universities: Readability and performance. European Research on Management and Business Economics. <https://doi.org/10.1016/j.iedeen.2021.100183>
- 2019 Sheffi, Y., Saenz, M.J., **Rivera, L.** and Gligor, D. 2019. New forms of partnership: the role of logistics clusters in facilitating horizontal collaboration mechanism. European Planning Studies. <https://doi.org/10.1080/09654313.2019.1575797>
- 2019 Cortés-Sánchez, J.D. and **Rivera, L.** 2019. Mission statements and financial performance in Latin-American firms. Business: Theory and Practice. <https://doi.org/10.3846/btp.2019.26>
- 2016 **Rivera, L.**, Sheffi, Y. and Knoppen D. 2016. The process of agglomeration within logistics clusters and the impact of firm size on collaboration and value-added services. International Journal of Production Economics. <https://doi.org/10.1016/j.ijpe.2016.05.018>
- 2016 **Rivera, L.**, Gligor, D. and Sheffi, Y. 2016. The benefits of logistics clusters. International Journal of Physical Distribution & Logistics Management. 3: 1- 17. <https://doi.org/10.1108/IJPDLM-10-2014-0243>
- 2014 **Rivera, L.**, Sheffi, Y., and Welsch, R. 2014. Logistics agglomeration in the US. Transportation Research Part A: Policy and Practice. 59: 222-238. <https://doi.org/10.1016/j.tra.2013.11.009>
- 2014 Van den Heuvel, F.P., **Rivera, L.**, Van Donselaar, K.H., De Jong, A., Sheffi, Y., De Langen, P.W., and Fransoo, J.C., 2014. Relationship between freight accessibility and logistics employment in US counties. Transportation Research Part A: Policy and Practice. 59: 91- 105. <https://doi.org/10.1016/j.tra.2013.11.002>
- 2007 **Rivera, L.** 2007. Comercio de fauna en Colombia e información oculta: nuevos retos en la regulación para su uso sostenible. Desarrollo y Sociedad. 60: 47-91. <https://doi.org/10.13043/dys.60.2>

## BOOKS

- 2022 Páez, I., Sanabria, M., Gauthier, V., Mendez, R. and **Rivera, L.** Eds. (2022). Transformación Digital en las Organizaciones. Editorial Universidad del Rosario. 2022. 9789587848342 <https://editorial.urosario.edu.co/catalog/product/view/id/6982/s/gpd-transformacion-digital-en-las-organizaciones-9789587848342-6276a6efa4125/>

## CHAPTERS IN BOOKS

- 2022 **Rivera, L.** Daza, H.D. and Moreno G. (2022). Transformación digital en logística y gestión de la cadena de suministro. En: Transformación Digital en las Organizaciones, Páez, I., Sanabria, M., Gauthier, V., Mendez, R. and Rivera, L. Eds. Editorial Universidad del Rosario. 145 – 159. 9789587848342  
<https://editorial.urosario.edu.co/catalog/product/view/id/6982/s/gpd-transformacion-digital-en-las-organizaciones-9789587848342-6276a6efa4125/>
- 2017 **Rivera, L.** and Sheffi, Y. 2017. The Evolution of Logistics Clusters. In: In: Routledge Companion for Production and Operations Management (POM). Star, M and Gupta, S Ed. Routledge. <https://www.taylorfrancis.com/chapters/edit/10.4324/9781315687803-16/evolution-logistics-clusters-yossi-sheffi-liliana-rivera>
- 2012 **Rivera, L.** and Sheffi, Y. 2012. Panama Canal Update. In: Supply Chain Safety Management: Security and Robustness in Logistics, M. Essig, M. Hulsman, E. Maria-Kern and S. Klien-Schmeink, Ed. Springer-Verlag, Heidelberg, 213-217.  
<https://doi.org/10.1007/978-3-642-32021-7>

## CONFERENCE PARTICIPATION

- 2023 Rivera, L. Mini JOM Conference. Journal of Operations Management. Tempe, USA. February 2023.
- 2022 Rivera, L. Speaker. Talento Humano 4.0 en Supply Chain Management: oportunidad para las empresas competitivas. XXVIII Congreso Internacional Expologística. Asociación Nacional de Exportadores -Analdex, Bogotá, Colombia. September 2022.
- 2021 Rivera, L. Speaker Logística para el futuro: ¿cómo prepararse para contingencias? Congreso Internacional de Procolombia. Bogotá, May 2021.
- 2020 Rivera, L. Keynote Speaker. Logística y Digitalización Logística para el futuro. Congreso Ampliado Cluster de Logística. Cámara de Comercio de Bogotá. Bogotá, November 2020.
- 2019 Rivera, L. The role of working relationships in SCM performance. Decision Sciences Institute Conference. New Orleans, USA. November 2019.
- 2019 Rivera, L. Speaker. Human Capital in Transportation and Logistics Sector in Colombia. MIT Center for Transportation and Logistics. Cambridge, USA. July 2019.
- 2018 Rivera, L. Speaker. Logistics 4.0 in emerging markets: challenges and opportunities Convención Anual del Grupo Nutresa. Comercial Nutresa, Cartagena, Colombia. August 2018.
- 2016 Rivera, L. Keynote Speaker. Logística en la Región de la Orinoquía: retos y oportunidades. Lanzamiento Plan Maestro de la Orinoquía. National Department of Planning, Bogotá, Colombia. October 2016.
- 2016 Rivera, L. Keynote Speaker. Aglomeraciones logísticas: oportunidad para las empresas competitivas. XXII Congreso Internacional Expologística. Analdex, Bogotá, Colombia. September 2016.
- 2015 Rivera, L. Keynote speaker. MIT Center for Real Estate 30th Anniversary conference at the Federal Reserve Bank of Boston. Boston, MA, USA. May 2015.

- 2015 Rivera, L. Speaker. World Free Zones Organization First Annual Conference. Dubai, UAE. May 2015.
- 2015 Rivera, L. Speaker. 7th Global Supply Chain Management (GSCM) conference 2015. Zhejiang University. Hangzhou, China. March 2015.
- 2014 Rivera, L. Speaker Alianza Pacífico en el contexto colombiano: retos y oportunidades. Mesa Redonda Alianza del Pacífico: Retos y Oportunidades. Universidad del Pacífico. Lima, Perú. November 2014.
- 2014 Rivera, L. 11º Congreso Nacional de la Infraestructura. Infraestructura: Competitividad y Equidad. Cartagena, Colombia. November 2014.
- 2014 Rivera, L. Speaker. Agglomeration of Logistics firms. Engineering Systems Research Fest, Massachusetts Institute of Technology. Cambridge, MA, USA. April 2014.
- 2014 Rivera, L. Speaker. Agglomeration of logistics operations. Fisher School of Business, Ohio State University. Columbus, OH, USA. March 2014.
- 2013 Rivera, L. and Sheffi, Y. Speaker. Agglomeration and Collaboration of Logistics Operations. INFORMS Annual Meeting 2013. Minneapolis, MN, USA. October 2013.
- 2013 Rivera, L. and Sheffi, Y. Speaker. The impact of Logistics clusters on companies and employment. Production and Operations Management Society. 24th Annual POMS Conference. Denver, CO, USA. May 2013.
- 2012 Rivera, L. Participación en video sobre la Expansión del Canal de Panamá. Efecto Naim. November 2012.  
[https://www.youtube.com/watch?v=VzO4bKXBh1A&list=PL51C0DE72C9A2AA17&index=8&feature=plpp\\_video](https://www.youtube.com/watch?v=VzO4bKXBh1A&list=PL51C0DE72C9A2AA17&index=8&feature=plpp_video)
- 2012 Rivera, L. Speaker. Logistics clusters in the US. Doctoral Symposium. Columbus, OH, USA. March 2012.
- 2011 Rivera, L. Speaker. Agglomeration of logistics firms. ESD Research Fest. Cambridge MA, USA. November 2011.
- 2011 Rivera, L. Doctoral Symposium. Zaragoza Logistics Center. Zaragoza, España. July 2011.
- 2010 Rivera L. and Muñoz, D. Speaker. Development of Panama as a logistics hub and the impact on Latin America. SCM Supply Chain Program. Cambridge, MA, USA. May 2010.
- 2010 Rivera L. and Muñoz, D. Speaker. The impact of Panama's logistics investments for the Latin American shipping network. MLOG/SCM Research Fest. Cambridge, MA, USA. January 2010.
- 2008 Rivera, L. Logística y Competitividad. Banco Interamericano de Desarrollo. Cartagena, Colombia. November 2008.
- 2006 Rivera, L. Speaker. Impacto del TLC en los sectores Bovino, Marroquino y Textil. Seminario Capacidad Ambiental e Institucional de la Región Andina Frente al Libre Comercio. Organización de Estados Americanos, Bogotá, Colombia. April 2006.
- 2005 Rivera, L. Salud Global e Integración Metrópoli y Salud. Gestión Hospitalaria. Organismo Andino de Salud, Bogotá, Colombia. December 2005.
- 2005 Rivera, L. Speaker. Impacto del TLC en los sectores Bovino, Marroquino y Textil en Colombia. Workshop on Trade and Environment: Institutional Capacity of the Andean Region in the context of Free Trade. Organization of American States, Quito, Ecuador. November 2005.
- 2009 Rivera, L. Speaker. La logística como herramienta de Competitividad. Asociación Nacional de Industriales. Medellín, Colombia. February 2009.
- 2008 Rivera, L. Speaker. Logística y Competitividad en Colombia. Programa de capacitación. Colombiana. Sopo, Colombia. September 2008.

## Other Publications

- 2021 **Rivera, L.** Moreno, G. Salamanca, B., Torralba D., Vargas, L., and Rodriguez, S. 2021. Brechas de capital humano en el sector de logística 4.0 en Bogotá y Colombia. Documentos de Desarrollo PNUD – Colombia. PNUD. <https://www.undp.org/es/colombia/publications/brechas-de-capital-humano-en-el-sector-de-logistica-40-en-bogota-y-colombia>
- 2015 **Rivera, L.** 2015. Free Trade Zones and Logistics. World Free Zones Bulletin. World Free Zones Organization. 2, 8-13. [https://www.worldfzo.org/Portals/0/OpenContent/Files/446/World\\_FZO\\_Bulletin02.df](https://www.worldfzo.org/Portals/0/OpenContent/Files/446/World_FZO_Bulletin02.df)
- 2012 **Rivera, L.** and Sheffi, Y. 2012. Logistics clusters in the US: an empirical study. MIT CTL Research Paper. CTL/1-A-12, January 2012.
- 2011 **Rivera, L.** and Sheffi, Y. 2011. Logistics: Shipping on the Panama Canal. In: Americas Quarterly. Spring 2011. Vol. 5 Issue 2, 117. <https://www.americasquarterly.org/node/2455>
- 2010 Muñoz, D. and **Rivera, L.** 2010. Panama Development and its impact in the Latin American Port System, June 2010. MIT-MLOG/SCM White Paper. <https://dspace.mit.edu/handle/1721.1/61183>
- 2008 Bernal, P., Rua, J., Cifuentes, E., **Rivera, L.**, Henao, A. 2008. Caracterización Urbanística, Social y Ambiental del Entorno del Aeropuerto Internacional Eldorado. Cámara de Comercio de Bogotá. Centro Hábitat Urbano. <http://hdl.handle.net/11520/3116>
- 2006 Macías, L. F., Uribe, A., **Rivera, L.**, Rozo, M, Montoya, J. y Cano, J.A. 2006. Evaluación de los Impactos Ambientales y Capacidad Institucional Frente al Libre Comercio en la Región Andina. Organización de los Estados Americanos OAS, Departamento de Desarrollo Sostenible.

## Participation in Boards, Committees and Associations

- 2023 – to date Member of Production and Operations Management Society POMS.
- 2016 – to date Member of MIT- Harvard Alumni Association Colombia.
- 2016 – 2018 Member of the Board of Colombian MIT- Harvard Alumni Association.
- 2016 – 2017 Member of the Academic Board of the Asociación Nacional de Exportadores ANALDEX.
- 2009 – to date Member of Universidad de Los Andes Alumni Association UNIANDINOS.
- 2009 – 2020 Member of the Council of Supply Chain Management Professionals Colombia.

## Scholarships and Academic Distinctions

Awarded Full-Tuition Scholarship for Doctoral studies. MIT CTL

Awarded Full-Tuition Scholarship for Master studies. MIT CTL

Awarded Colfuturo Scholarship for graduate studies abroad.

Lauchlin Currie Award for best Master thesis (among 29 theses)

Awarded Full-Tuition Scholarship for Master studies. UNIANDES - IDB - CAF.

Andres Bello Award for 1st place in the university entrance exam ICFES in Boyacá State.