

# JOHANNA AMAYA

Assistant Professor of Supply Chain Management  
Pennsylvania State University, 425 Business Building, University Park, PA 16802  
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## EDUCATION

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<b>Doctor of Philosophy in Transportation Engineering</b> <i>Rensselaer Polytechnic Institute, Troy, New York, United States.</i>	May 2016
<b>Master of Science in Industrial and Systems Engineering</b> <i>University of Florida, Gainesville, FL, United States</i>	Dec. 2009
<b>Master of Science in Industrial Engineering</b> <i>Universidad del Norte, Barranquilla, Colombia.</i>	Sep. 2007
<b>Specialization in Business Logistics</b> <i>Universidad del Norte, Barranquilla, Colombia.</i>	Sep. 2004
<b>Bachelor of Science in Industrial Engineering</b> <i>Universidad del Norte, Barranquilla, Colombia.</i>	Mar. 2002

## ACADEMIC EXPERIENCE

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<b>Assistant Professor</b> Department of Supply Chain and Information Systems Pennsylvania State University	Since 2021
<b>Assistant Professor</b> Department of Supply Chain Management Iowa State University	2016 – 2021
<b>Postdoctoral Research Associate</b> Department of Civil and Environmental Engineering Rensselaer Polytechnic Institute, New York.	May – Aug 2016
<b>Graduate Research Assistant</b> Department of Civil and Environmental Engineering Rensselaer Polytechnic Institute, New York.	2012 – 2016
<b>Faculty</b> Department of Industrial Engineering. Universidad del Norte, Colombia.	2011 – 2012

**Student Assistant**

2009 – 2010

Department of Industrial and Systems Engineering  
University of Florida

**Lecturer**

2005 – 2008

Department of Industrial Engineering  
Universidad del Norte, Colombia.

**COURSE AND CURRICULUM DEVELOPMENT**

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**Taught courses at Penn State University**

- SCM404 – Fulfillment Operations (*Fall 2021, 2022*)

**Taught courses at Iowa State University**

- SCM460 – Decision Tools for Logistics and Operations Management (*Spring 2017, 2018, Fall 2016, 2017, 2018, 2019, 2020*)
- SCM461 – Principles of Transportation (*Spring 2019, 2020, 2021*)

**Designed courses at Universidad del Valle**

- EIFAS-II – Humanitarian Logistics (*Summer 2019*)

**Taught courses at Universidad del Norte**

- IIN 4140 – Operations Strategy (*Spring 2007, Fall 2006, 2007*)
- IIN0010 – Introduction to Industrial Engineering (*Spring 2007*)

**Re-designed courses at Universidad del Norte**

- IIN7100 – Logistics and Distribution (*Fall 2005, 2007 and Spring 2006, 2008*)
- IIN 4150 – Quantitative Methods for Management (*Summer 2011*)
- EST 7042 – Data Analysis I (*Fall 2011, Spring 2012*)

**Teaching Assistant Courses at University of Florida**

- EIN 6336 – Advanced Production and Inventory Control (*Spring 2010*)
- ESI 6314 – Deterministic Methods of Operations Research (*Fall 2009*)

**TEACHING TRAINING**

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**CELT Teaching and Learning Academy**

2019-2020

Center for Excellence in Learning and Teaching – Iowa State University

**Certificate in College Pedagogy**

2007

CEDU - Universidad del Norte

**RESEARCH TRAINING**

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**CMMI's Game Changer Academies for Advancing Research Innovation**

2021-2022

Panel Fellow Cohort 2 - National Science Foundation

**Research Collaboration Catalysts Program**

2020-2021

Office of the Vice President for Research – Iowa State University

**PUBLICATIONS IN REFEREED JOURNALS**

(\* Student)

- Cantillo, V., **Amaya, J.**, Serrano, I\*, Cantillo-Garcia, V., and Galvan, J. (2022) Influencing Factors of Trucking Companies Willingness to Shift to Alternative Fuel Vehicles. *Transportation Research Part E: Logistics and Transportation Review*, Volume 163, July 2022
- Holguin-Veras, J., Encarnacion, T., Van Wassenhove, L., Pokharel, S., Cantillo, V., **Amaya, J.**, Wachtendorf, T., and Rilling, J. (2022) Reducing Material Convergence in Disaster Environments: The potential of trusted change agents. *Transportation Research Part E: Logistics and Transportation Review*, Volume 162, June 2022
- Fernandez-Pernett, S\*, **Amaya, J.**, Arellana, J., and Cantillo, V. (2022) Questioning the implication of the Utility-Maximization Assumption for the Estimation of Deprivation Cost Functions after Disasters. *International Journal of Production Economics*, Volume 247, May 2022
- Amaya, J.**, Delgado-Lindeman, M\*, Arellana, J., and Allen, J. (2021) Urban Freight Logistics: What do Citizens Perceive? *Transportation Research Part E: Logistics and Transportation Review*, Volume 152, August 2021
- Gonzalez-Calderon, C., Holguin-Veras, J., **Amaya, J.**, Sanchez-Diaz, I., and Sarmiento, I. (2021) Generalized Noortman and Van Es' Empty Trips Model. *Transportation Research Part A: Policy and Practice*, Volume 145, March 2021, pp 260-268
- Holguin-Veras, J., **Amaya, J.**, Sanchez-Diaz, I., Browne, M., Wojtowicz, J. (2020) State of the Art and Practice of Urban Freight Management Part I: Infrastructure, Vehicle-Related, and Traffic Operations. *Transportation Research Part A: Policy and Practice*, Volume 137, July 2020, pp 360-382
- Holguin-Veras, J., **Amaya, J.**, Sanchez-Diaz, I., Browne, M., Wojtowicz, J. (2020) State of the Art and Practice of Urban Freight Management Part II: Financial Approaches, Logistics, and Demand Management. *Transportation Research Part A: Policy and Practice*, Volume 137, July 2020, pp 383-410
- Amaya, J.**, Arellana, J., and Delgado-Lindeman M\*. (2020) Stakeholders Perceptions to Sustainable Urban Freight Policies in Emerging Markets. *Transportation Research Part A: Policy and Practice*, Volume 132, February 2020, pp 329-348
- Macea, L., **Amaya, J.** Cantillo, V., and Holguin-Veras. Evaluating Economic Impacts of Water Deprivation in Humanitarian Stated Choice Experiments (2018). *International Journal of Disaster Risk Reduction*, Volume 28, June, 427-438.
- Holguín-Veras, J., Hodge, S., Wojtowicz, J., Singh, C., Wang, C., Jaller, M., Aros-Vera, F., Ozbay, K., Weeks, A., Replogle, M., Ukegbu, C., Ban, J., Brom, M., Campbell, S., Sanchez-Díaz, I., González-Calderón, C., Kornhauser, A., Simon, M., McSherry, S., Rahman, A., Encarnación, T., Yang, T., Ramírez-Ríos, D., Kalahashti, L., **Amaya, J.**, Silas, M., Allen, B., Cruz, B. (2018). The New York City Off-Hour Delivery Program: A Business and Community-Friendly Sustainability Program. *INFORMS Journal on Applied Analytics (Interfaces)*, Volume 48, Edelman Issue, January-February 2018, pp. 70-86.
- Holguín-Veras, J., **Amaya, J.** and Seruya, B. (2017). Urban Freight Policy Making: The Role of Qualitative and Quantitative Research. *Transport Policy*. Volume 56, 75-85.
- Holguín-Veras, J., **Amaya, J.**, Cantillo, V., Van Wassenhove, L., Aros-Vera, F., and Jaller, M. (2016). Econometric Estimation of Deprivation Cost Functions: A Contingent Valuation Experiment. *Journal of Operations Management*. Volume 45, July 2016, 44-56.
- Cantillo, V., **Amaya, J.**, and Ortuzar, J. de D. (2010). Thresholds and Indifference in Stated Choice Surveys. *Transportation Research Part B: Methodology*. Vol 44, Issue 6, July 2010, 753-763.
- Amaya, J.**, Guzmán, L., and Donoso, Y. (2007). Scheduling Economic Power Generators under Insulation Conditions from National Land using Multi-objective Optimization. *WSEAS Transactions on Mathematics*. Issue 8, Vol 6, August, 802-810.

Bravo, B\*, Cortes, K\*, Aguilar, M\*, Granados, S\*, and **Amaya, J.** (2007). Competitiveness in the Supply Chain Management: An overview in an Oils' and Greases' Manufacturer. *Ingenieria y Desarrollo*. Vol 22. December 2007, 38-53.

### PEER REVIEWED BOOK CHAPTERS

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Holguin-Veras, J., Encarnacion, T., Ramirez-Rios, D., **Amaya, J.**, and Aros-Vera, F. Research Needs in Disaster Response Logistics. In *Handbook of Research Methods on Supply Chain Management*. Stephen Childe and Anabela Soares, Editors. 2022, Edward Elgar Publishing Ltd. Cheltenham, UK. p. 481-495

Holguín-Veras, J., Jaller, M., Aros-Vera, F., **Amaya, J.**, Encarnacion, T., and Wachtendorf, T. Disaster Response Logistics: Chief Findings of Fieldwork Research in Advances in Managing Humanitarian Operations. C.W. Zobel, N. Altay, and M.P. Haselkorn, Editors. 2016, Springer International Publishing. p. 33-57.

### MANUSCRIPTS UNDER REVIEW

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(\* Student)

**Amaya, J.**, Serrano, I.\*, Cantillo, V., Arellana, J., and Pérez Siguenza, C. Implications of Trust, Preparedness and Risk Perceptions on Deprivation Costs and Disaster Relief Planning (*Socio-Economic Planning Sciences*)

**Amaya, J.**, Encarnacion, T., and Holguín-Veras, J. Donations after Disasters: A Comparative Study of Hurricane Katrina and Superstorm Sandy (*Decision Sciences Journal*)

**Amaya, J.**, Encarnacion, T., and Delgado-Lindeman, M. Understanding Delivery Drivers' Parking Preferences in Urban Freight Operations (*Transportation Research Part A: Policy and Practice*)

### MANUSCRIPTS IN PROGRESS

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**Amaya, J.**, and Encarnacion, T. Grocery Retailing Initiatives during COVID-19: The Case of Colombia

**Amaya, J.**, Faires, C., Encarnacion, T., and Acimovic, J. Private-Sector Donations and Material Convergence: An Empirical Analysis of Hurricane Harvey

**Amaya, J.**, Cantillo, V., and Arellana, J. Building Trust and Enhancing Preparedness: An Analysis of Citizens' Perceptions

Basallo-Triana, M.\*, **Amaya, J.**, and Paredes-Rodriguez\*, A. Managing Convergence of Volunteers after Disasters: A Disparity and Disruption Analysis

Rueda-Velasco, F., Jaller, M., **Amaya, J.**, Adarme-Jaimes, W. and González, L. Evaluating a New Disaster Logistic Structure: Social Assistance Networks

**Amaya, J.**, Holguin-Veras, J., and Mitchell, J. Optimal Districting of Disaster Areas

### HONORS, AWARDS, AND FELLOWSHIPS

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Ivy College of Business Early Achievement in Research Nominee	2018
POMS Emerging Scholar	2017
Franz Edelman Award for Achievements in Operations Research and Management Science (INFORMS) Finalist	2017
FOCUS Fellow - Georgia Tech	2016
RPI Founders Award of Excellence	2015
MIT Rising Stars - Civil and Environmental Engineering	2015
Eno Fellow. Eno Center for Transportation	2015
Research Assistantship - RPI	2012-2016
Fulbright Scholarship	2008-2011

## BOOK

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Santander-Mercado, A., **Amaya, J.**, and Vilorio, C. (2014) "Diseño de Cadenas de Suministros Resilientes". Ediciones Uninorte and Ediciones de la U. ISBN 978-578-741-441-7. pp. 114.

## SOFTWARE

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SCOPT- Supply Chain Optimizer (2012): Decision-making system for locating facilities in a supply chain, minimizing costs and the risk of breaks in network flows.

## REPORTS AND OTHER PUBLICATIONS

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Dong-O'Brien, J., **Amaya, J.**, Litteral, T., and Davami, S. (2021). Iowa Automated Permitting System Report to Legislature. Center for Transportation Research and Education Iowa State University. <https://intrans.iastate.edu/research/completed/iowa-automated-permitting-system-report-to-legislature/>

Vishnu Rajamanickam – **Amaya, J.** (2019). Increase in e-commerce-related last-mile deliveries clog urban streets. Freight Waves. <https://www.freightwaves.com/news/increase-in-e-commerce-related-last-mile-deliveries-clog-urban-streets>

**Amaya, J.** (2018). Después de un Desastre: enviar ayuda a donde más se necesita. The Conversation. <http://theconversation.com/despues-de-un-desastre-enviar-ayuda-a-donde-mas-se-necesita-103483>

**Amaya, J.** (2018) Sending Help where is Needed Most after Disasters. The Conversation. <https://theconversation.com/sending-help-where-its-needed-most-after-disasters-103210>

Holguín-Veras, J., **Amaya, J.**, Encarnacion, T., Kyle, S., Wojtowicz, J. (2016) Impacts of Freight Parking Policies in Urban Areas: The Case of New York City. <https://trid.trb.org/view/1470105>

Haake, D. Wojtowicz, J. and **Amaya, J.** (2016). From Bricks to Clicks: E-commerce is changing our neighborhoods. Planning Magazine. American Planning Association – July. p. 22-24.

Holguín-Veras, J., **Amaya, J.**, Wojtowicz, J., Jaller, M., Gonzalez-Calderon, C., Sanchez-Diaz, I., Wang, X., Haake, D., Rhodes, S., Hodge, S., Frazier, R., Nick, M., Dack, J., Casinelli, L., Browne, M. (2015). Improving Freight System Performance in Metropolitan Areas: A Planning Guide. <http://www.trb.org/Main/Blurbs/172487.aspx>

Holguín-Veras, J., Wojtowicz, J., Wang, X., Jaller, M., Ban, X., Aros, F., Campbell, S., Yang, X., Sanchez, I., **Amaya, J.**, Gonzalez-Calderon, C., Marquis, R. (2013). *Integrative Freight Demand Management in the New York City Metropolitan Area: Implementation Phase*. <http://cite.rpi.edu/news/16-off-hour-delivery>.

## PROJECTS AND GRANTS

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(\*Team leader)

*Understanding Drivers' Perceptions to Deliveries after Disasters*

Funded by Smeal Fall 2021 Small Research Grants – Penn State University – PI

*Iowa Automated Permitting System Report to Legislature*

Funded by Iowa Department of Transportation – Iowa State University\*

*Planning Grant: Engineering Research Center for Hazard Mitigation and Community Resilience*

Funded by the National Science Foundation (NSF) – Co-PI

*RAPID: Collaborative Research: Role of Extending, Expanding, and Emergent Groups in Relief Distribution Efforts in the Aftermath of Hurricanes Harvey, Irma, and Maria* – Co-PI

Funded by the National Science Foundation (NSF)

*RAPID: Field Investigation on the Socio-Technical Features of Post-Disaster Response Logistics in the Aftermath of the Nepal Earthquake*

Funded by the National Science Foundation (NSF)\*

*Center of Excellence on Sustainable Urban Freight Systems (CoE-SUFS) \**

Funded by Volvo Research and Education Foundations (VREF).

*NCFRP 38: Improving Freight System Performance in Metropolitan Areas \**

Funded by the National Cooperative Freight Research Program (NCFRP).

### **INVITED TALKS AND SEMINARS**

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Urban Freight Logistics – Stakeholders Perspective. Seminar Series. Department of Supply Chain & Analytics, College of Business Administration, *University of Missouri – St. Louis*. March 17<sup>th</sup>, 2023

Sustainable Urban Logistics. Sustainability Research Seminar. Smeal College of Business, *Pennsylvania State University*. February 22<sup>nd</sup>, 2023

Urban Freight Logistics: Stakeholders’ Perceptions. *Rensselaer Polytechnic Institute*, Troy, NY. November 21<sup>st</sup>, 2022

Influencing Factors of Donations After Disasters: A Comparative Study of Hurricane Katrina and Superstorm Sandy. Faculty Networking Lunch. Smeal College of Business, *Pennsylvania State University*. September 22<sup>nd</sup>, 2021

Funciones de Costos de Privación Post-Desastres: Un análisis de variables latentes. Simposio de Investigación en Logística Urbana y Logística Humanitaria. *Universidad del Valle*, Colombia. June 29<sup>th</sup>, 2022

Stakeholders Perceptions to Sustainable Urban Freight Policies in Emerging Markets. *INFORMS MIF Research Webinar Series*. July 30<sup>th</sup>, 2021.

Five Lessons from Field Research in Disaster Response. VIII REVOLUCIONA. *Universidad del Valle - Sede Zarzal*, Colombia. March 26<sup>th</sup>, 2021

Research in Disaster Response Logistics and Its Implications. Contemporary Issues in Accounting 2020 Conference. Ivy College of Business– *Iowa State University*. December 10<sup>th</sup>, 2020

Stakeholders’ Perceptions to Urban Freight Policies in Emerging Economies and its Relation to the State of the Art and Practice. Smeal College of Business, *Pennsylvania State University*. December 7<sup>th</sup>, 2020

Stakeholders Perceptions to Sustainable Urban Freight Policies in Emerging Markets. Seminario de Logística Aplicada de Extremo a Extremo. *Universidad Nacional de Colombia* – Sede Bogota. September 28<sup>th</sup>, 2020.

On the Brink of Collapse - Disaster Response Logistics and its Implications. Learn@Lunch Seminar Series - Ivy College of Business – *Iowa State University*. September 3<sup>rd</sup>, 2020.

Building Trust to Enhance Preparedness: An Analysis of Community Perceptions. ITS-Davis Seminar Series – Institute of Transportation Studies, *University of California Davis*. May 15<sup>th</sup>, 2020.

Optimal Districting after Disasters considering Social Costs. Fisher College of Business, *The Ohio State University*. October 22<sup>nd</sup>, 2019.

- Interface between People, Technology and Society for Urban Access: What about Deliveries? VREF Research Network Workshop - *Mobilize Fortaleza*, Brazil, June 23<sup>rd</sup>, 2019.
- Stakeholders Perceptions to Sustainable Urban Freight Policies in Emerging Markets. Seminario Transformando el Mundo a través de la Ingeniería. *Universidad de la Sabana*, Colombia, June 6<sup>th</sup>, 2019.
- Social Costs and Districting after Disasters. Guest Lecturer Seminar Series – Business Analytics. Tippie College of Business, *University of Iowa*, Apr. 26<sup>th</sup>, 2019.
- Social Costs and Districting after Disasters. First Symposium in Humanitarian Logistics and Disruptive Supply Chains. *Universidad de la Sabana*, Bogota, Colombia, November 26<sup>th</sup>, 2018.
- Urban Freight Initiatives: State of the Art and State of the Practice. Freight Roundtable Meeting. *Des Moines MPO*, November 13<sup>th</sup>, 2018.
- Impacts of Non-Established Relief Groups on Humanitarian Supply Chains. *Universidad Jorge Tadeo Lozano*, Cartagena, Colombia, Sept. 7<sup>th</sup>, 2018.
- Role of Non-Established Relief Groups after Disasters. *Universidad del Norte*, Barranquilla, Colombia, July 6<sup>th</sup>, 2018
- Research in Disaster Response Logistics and its Implications. *Pontificia Universidad Javeriana*, Cali, Colombia, August 11<sup>th</sup>, 2017
- Public Sector Initiatives for Urban Freight. *University of Washington*, Seattle, May 8<sup>th</sup>, 2017
- Políticas para la Distribucion de Carga Urbana. *Universidad del Norte*, Barranquilla, Colombia, March 15<sup>th</sup>, 2017
- Deprivation Cost Functions for Water: Results from a Contingent Valuation Experiment. *Ohio University*. February 21<sup>st</sup>, 2017.
- Public Sector Initiatives to Improve Urban Freight. *Beijing University of Technology*. Beijing, September 19<sup>th</sup>, 2016.
- Districting in Post-Disaster Environments. *Escuela Superior Politécnica del Litoral (ESPOL)*. Guayaquil, Ecuador. May 19<sup>th</sup>, 2016.

### **CONFERENCE PRESENTATIONS AND POSTERS (Selected)**

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- Amaya, J.** Urban Freight Logistics: Stakeholders' Perceptions. IX Congreso CIIO. *Universidad Nacional de Colombia*– Sede Bogotá. August 5<sup>th</sup>, 2022
- Amaya, J.,** Delgado, M., Arellana, J., and Allen, J. Urban Freight Logistics: What Do Citizens Perceive? METRANS International Urban Freight Conference (I-NUF). Long Beach, CA. May 26<sup>th</sup>, 2022
- Amaya, J.,** Encarnacion, T., Martinez, E., and Acosta, M. Initiatives and Consumer Sentiment of Grocery Retailing during COVID-19: The Case of Colombia. DSI Annual Conference, Nov 18<sup>th</sup>, 2021 (Virtual)
- Amaya, J.,** Cantillo, V., and Arellana, J. Building Trust and Enhancing Preparedness: An Analysis of Citizens' Perceptions. DSI Annual Conference, Nov. 17<sup>th</sup>, 2021 (Virtual)
- Amaya, J.,** Encarnacion, T., Martinez, E., and Acosta, M. Strategies and Challenges of Grocery Retailing during COVID-19: The Case of Colombia. POMS 31st Annual Conference, May 4<sup>th</sup>, 2021 (Virtual)
- Amaya, J.,** Cantillo, V., and Arellana, J. Building Trust and Enhancing Preparedness: An Analysis of Citizens' Perceptions. POMS 31st Annual Conference, May 3<sup>rd</sup>, 2021 (Virtual)
- Amaya J.,** Arellana, J. and Delgado, M. Stakeholders Perceptions to Sustainable Urban Freight Policies in Emerging Economies. METRANS International Urban Freight Conference (I-NUF). Long Beach, CA. October 17<sup>th</sup>, 2019
- Amaya J.,** Arellana, J. and Delgado, M. Urban Logistics: What do Citizens think about it? Colombian Conference of Transportation and Transit. Cartagena, Colombia. June 27<sup>th</sup>, 2019

- Amaya J.**, Arellana, J. and Delgado, M. Analyzing the Perceptions of Urban Logistics Agents to Freight Transportation Policies in Emerging Markets. Colombian Conference of Transportation and Transit. Cartagena, Colombia. June 27<sup>th</sup>, 2019
- Amaya, J.** and Faires, C. The Role of the Private Sector after Disasters: The Case of Hurricane Harvey. POMS 30th Annual Conference. Washington, D.C. May 4<sup>th</sup>, 2019.
- Amaya, J.** Urban Logistics in Cartagena: Perceptions of Supply Chain Agents. The Cycle-Logistics Conference. Cartagena, Colombia, November 14<sup>th</sup>, 2018.
- Amaya, J.** Holguin-Veras, J, Sanchez-Diaz, I., and Wojtowicz, J. State of the Art and State of the Practice of Urban Freight Management. Informs Annual Meeting. Phoenix, AZ. Nov. 5<sup>th</sup>, 2018.
- Amaya, J.** Holguin-Veras, J, and Mitchell, J.E. Optimal Districting of Disaster Areas. Informs Annual Meeting. Phoenix, AZ. Nov. 4<sup>th</sup>, 2018.
- Amaya, J.** Proven Strategies for Improving Freight System Performance in your Livable Community. National Capital Region Freight Forum. Washington D.C., October 31<sup>st</sup>, 2017.
- Amaya, J.** Holguin-Veras, J, and Wojtowicz, J. Urban Freight Initiatives: State of the Art and State of the Practice. International Urban Freight Conference (I-NUF). Long Beach, CA, Oct 19<sup>th</sup>, 2017. *Selected to be part of Examining and Addressing Urban Goods Movement Needs during FHWA Talking Freight webinar on Nov. 15, 2017.*
- Amaya J.** and Wojtowicz, J. Integrating Freight in Livable Communities. Mobilize Santiago. Santiago, Chile, June 29<sup>th</sup>, 2017.
- Holguin-Veras, J., **Amaya J.** Public Sector Policies and Initiatives. Urban Freight Transport: A Global Perspective. Cali, Colombia, May 18<sup>th</sup>, 2017.
- Amaya J.** Freight Parking in New York City. Urban Freight Transport: A Global Perspective. Cali, Colombia, May 18<sup>th</sup>, 2017.
- Amaya J.** Freight Demand Management and its Role in Sustainable Supply Chains. Informs Annual Meeting. Nashville, TN, Nov. 15<sup>th</sup>, 2016.
- Amaya J.**, Perez, C., and Holguin-Veras, J. Ecuador Earthquake Relief Support: Observations From Fieldwork Research. Informs Annual Meeting. Nashville, TN, Nov. 13<sup>th</sup>, 2016.
- Amaya J.**, Holguin-Veras, J., Jaller, M., Aros-Vera, F., Encarnacion, T. and Ramirez, D. Lessons from Catastrophic Events for Disaster Response Logistics: Updates from the Gorkha Earthquake. Congreso Panamericano de Ingeniería de Tránsito, Transporte y Logística. Mexico City, Sept. 28<sup>th</sup>, 2016
- Amaya J.**, Holguin-Veras, J. and Wojtowicz, J. Improving Freight Systems in Metropolitan Areas. Congreso Panamericano de Ingeniería de Tránsito, Transporte y Logística. Mexico City, Sept. 28<sup>th</sup>, 2016
- Amaya J.** and Wojtowicz, J. Public Sector Initiatives to Improve Urban Freight. Beijing, Sept. 19<sup>th</sup>, 2016
- Amaya J.** Districting in Post-Disaster Environments. POMS 27th Annual Conference. Orlando, FL. May 6<sup>th</sup>, 2016.
- Amaya J.** Integrating Freight in Livable Communities. APA National Planning Conference. S550 #9000536. Phoenix, AZ. April 4<sup>th</sup>, 2016.
- Amaya J.** Districting in Post-Disaster Environments. Workshop on Doctoral Research in Transportation Modeling. 95th Annual Conference of the Transportation Research Board in Washington, DC. Jan 10<sup>th</sup>-14<sup>th</sup>, 2016.
- Amaya J.** Public Sector Initiatives Sustainable Urban Freight Systems Part II. Informs Annual Conference. Philadelphia, November 2<sup>nd</sup>, 2015.
- Amaya J.**, Wojtowicz, J. and Holguin-Veras, J. Public Sector Policies and Initiatives. Improving Freight Systems in Metropolitan Areas: From New York City to Across the Globe. New York, Sept. 16<sup>th</sup>, 2015.

**DOCTORAL DISSERTATION COMMITTEES**


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Juan Jose Rojas (Industrial Engineering – Univalle). Committee Member	Since 2022
Ivan Serrano Arrieta (Civil Engineering – Uninorte). Committee Member	Since 2021
Maira Delgado-Lindeman (Civil Engineering – Uninorte). Committee Member	2020-2022
<i>Strategic Planning of On-street Parking Facilities considering Passenger and Freight Vehicles Competition.</i>	
<i>Placement: Universidad de Cantabria, Spain</i>	
Chih-Yuan Chu (Industrial, Manufacturing and Systems Engineering – Iowa State)	2020-2022
Committee Member - <i>Text Analytics for Supply Chain Risk Management.</i> Placement: <i>Tunghai University</i>	
Feizar Rueda (Industrial Engineering – Universidad Nacional). Committee Member	2017-2021
<i>Coordinación de Actores en la Respuesta Logística Humanitaria de Ultima Milla por Medio de Reglas de Prioridad.</i> Placement: <i>Universidad Distrital “Francisco Jose de Caldas”, Colombia</i>	
Bo Lan (Supply Chain Management). Committee Member	2017-2020
<i>Traveling Salesman Problem with Time Windows and Drones.</i> Placement: <i>West Virginia University</i>	

**PROFESSIONAL MEMBERSHIPS AND SERVICE ACTIVITIES**


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<i>Guest Editor - Cities: The International Journal of Urban Policy and Planning</i>	
Special Issue: The growing importance of freight for city planning and design	
Co-Edited with Michael Browne and Ivan Sanchez-Diaz	2019- 2021
<i>Editorial Review Board</i>	
Journal of Operations Management	Since 2023
Latin American Transport Studies	Since 2023
<i>Invited reviewer of:</i>	
Transportation Research Record	Since 2020
Socio-Economic Planning Sciences	Since 2019
Journal of Humanitarian Logistics and Supply Chain Management	Since 2018
Transportation Research Part E: Logistics and Transportation Review	Since 2017
Transportation Research Part A: Policy and Practice	Since 2015
Journal of Operations Management	2015-2023
<i>Affiliate member of:</i>	
Production and Operations Management Society (POMS)	Since 2013
College of Humanitarian Operations and Crisis Management (HOCM-POMS)	Since 2013
VP of Meetings – HOCM College at POMS	2021-2023
<i>Member of:</i>	
Pan-American Society of Transportation Research (PANAM)	Since 2022
Advisory Council of Equity, Inclusion, and Diversity	
Freight Transport and Logistics Committee	
TRB NCHRP Project Panel 23(13)-06	Since 2021
TRB Urban Freight Standing Committee (AT025)	Since 2018
TRB Standing Committee on Disaster Response, Emergency Evacuations, and Business Continuity (AMR20)	Since 2021

Co-Chair - Subcommittee on Disaster Relief (AMR20-1)	2018-2023
TRB BTSCRP Project Panel BTS-10	2019-2023
TRB NCHRP Project Panel 08-117	2017-2019

## **EVENTS ORGANIZED**

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*SC&IS Department Seminar Series* 2022-2023  
Co-organized with Brian Lee

*10<sup>th</sup> Mini-Conference (Virtual)*  
*College of Humanitarian Operations and Crisis Management (HOCCM-POMS)* Apr. 2022

*Catedra Fulbright: Using Analytical Methods for Supply Chains* Sept. 2018  
Workshop that brings together Industry and Academia to discuss methodologies to improve logistics and supply chains in the City of Cartagena, Colombia. Sponsored by Fulbright-Colombia and US Embassy

*Regional Workshops on Sustainable Urban Freight Systems* 2013-2016  
Workshop that brings together Public and Private Sector representatives from each city in which the event has been held to discuss main issues pertaining to local Urban Freight Systems (UFS). Locations: India (Chennai, Mumbai, and New Delhi); Brazil (Sao Paulo); Colombia (Bogota and Barranquilla); Canada (Toronto); Mexico (Mexico City); Chile (Santiago); Australia (Melbourne and Sydney).

*Pan-American Advanced Studies Institute on Sustainable Urban Freight Systems* Aug. 2014  
Two-week summer school sponsored by the National Science Foundation to strength research between American and Latin-American researchers in Urban Freight issues

*Workshop: "Improving Freight System Performance in Metropolitan Areas"* Jan. 2014  
Two-day workshop that brought together Public and Private Sector representatives around the U.S. to discuss main issues pertaining to Urban Freight Systems. Locations: Washington, DC.

## **PROFESSIONAL EXPERIENCE**

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*Finance and Administrative Manager* 2004-2005  
Inverpal, Colombia.

*Customer Service Coordinator* 2001-2002  
Muebles Jamar, Colombia

## **COMMUNITY OUTREACH**

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*Panelist,*  
Latinx Student Initiative Fall Retreat, Iowa State University 2019

*Speaker,*  
Transportation Student Association, Iowa State University  
*Freight Demand Management and Its Role in Sustainable Supply Chains* 2017

*Panelist,*

Multicultural Business Network, Iowa State University 2017, 2019  
Society of Women Engineers and the Women at Rensselaer Mentor Program 2016  
*Leveraging Strategic Thinking, Leadership, and Partnerships in STEM Education, Health Care, and Industry*

*Panelist,*

Admissions Office, Rensselaer Polytechnic Institute  
*Graduate Women in STEM* 2015  
*Graduate Student Life* 2014

*Speaker,*

International Student Center (ISSB), University of Florida 2008-2011  
*Latin American Culture*