

## LISA LORENA LOSADA-ROJAS

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### Education

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#### **Purdue University**

Ph.D. Candidate in Civil Engineering

West Lafayette, IN  
Expected May 2022

- Concentration in Transportation and Infrastructure Systems Engineering
- Dissertation: “Exploring the Relationship between Transportation and Health Determinants in Rural America: An Empirical Study.”

M.S. in Civil Engineering

2016-2017

- Concentration in Transportation and Infrastructure Systems Engineering
- Thesis: “First and Last Mile Problem in Intercity Passenger Rail: Effects on Mode Choice and Trip Frequency.”

#### **Universidad Nacional de Colombia**

B.S in Civil Engineering

Bogotá, Colombia  
2009-2016

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### Research Experience

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#### **Sustainable Transportation Systems Research Group**

##### **Spring 2020- ongoing**

Graduate research assistant on “EDA/PCRD: Economic Resilience and Recovery in The U.S. Great Lakes Region.” Joint Project with Purdue Center for Regional Development (PCRD). Funded by the Economic Development Administration (EDA). Principal Investigator: Dr. Nadia Gkritza.

##### **Spring 2019 – ongoing**

Graduate research assistant on “Ridesharing, Active Travel Behavior, and Personal Health: Implications for Shared Autonomous Vehicles.” Funded by the Center for Connected and Automated Vehicles (CCAT). Principal Investigator: Dr. Nadia Gkritza.

##### **Fall 2018 – Spring 2020**

Graduate research assistant on “Public Acceptance and Socio-Economic Analysis of Shared Autonomous Vehicles: Implications for Policy and Planning.” Funded by CCAT. Principal Investigator: Dr. Nadia Gkritza.

**Fall 2018 – Spring 2020** • Graduate research assistant on “INDOT/JTRP SPR 4162: Incorporating Economic Resilience Metrics into INDOT’s Transportation Decision-Making.” Funded by the Indiana Department of Transportation (INDOT). Principal Investigator: Dr. Nadia Gkritza.

##### **Summer 2018 – Fall 2019**

Graduate research assistant on “Behavioral Intention to Ride in an Autonomous Vehicle and Implications on Mode Choice Decisions, Energy Use, and Emissions.” Funded by CCAT. Principal Investigator: Dr. Nadia Gkritza.

##### **Fall 2017 – Spring 2019**

Graduate research assistant on “INDOT/JTRP SPR 3912: Economic Development Impact of Preservation Projects.” Funded by INDOT. Principal Investigator: Dr. Nadia Gkritza.

##### **Summer 2017 – Spring 2018**

Graduate research assistant on Jefferson County Workforce Transit/Transportation Needs Assessment. Principal Investigator: Dr. Lionel Beaulieu, PCRD.

##### **Fall 2016 – Dec 2017**

Graduate research assistant on “INDOT/JTRP SPR 4044: Evaluating Opportunities to Enhance the Hoosier State Train Ridership through a Survey of Riders' Opinions and an Assessment of Access to the Line.” Funded by INDOT. Principal Investigator: Dr. Nadia Gkritza.

##### **Jun. 2015 – Dec. 2015**

Undergraduate research assistant. Developed an undergraduate thesis titled “A Study to the Influence of the Implementation of a Mass Transport System on Land Use,” under the supervision of Dr. Nadia Gkritza.

#### **Paola Ortiz Ardila Engineering Consultant Firm**

**Jan. 2016 – Jun. 2016**

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Professional Engineer on the long-range transportation plans for Yopal, Casanare, Colombia and public transportation demand model for Guayaquil, Ecuador.

### Transportation and Transit Research Program (PIT)- Universidad Nacional de Colombia

Feb. 2013 – Jun. 2015

Undergraduate researcher on long-range transportation plans for different cities in Colombia.

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### Teaching Experience

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#### CE 560 Public Mass Transport, Spring 2021

Lyles School of Civil Engineering, Purdue University In charge of grading, providing guidance, and designing course and homework materials. Four lectures given in the topics of rural and intercity transit, transit technologies mobility on demand, transit-oriented development, and international transit systems-comparison,

#### Introduction to Traffic Engineering, Spring 2015

Civil Engineering Department, Universidad Nacional de Colombia in charge of grading, providing guidance to students, and proctoring exams.

#### Geomatics, Fall 2014

Civil Engineering Department, Universidad Nacional de Colombia in charge of grading, providing guidance to students, and proctoring exams.

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### Publications

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**Losada-Rojas L.L.**, Gkartzonikas C., Pyrialakou V.D., & K. Gkritza. “Exploring Intercity Passengers’ Attitudes and Loyalty to Intercity Passenger Rail: Evidence from an Onboard Survey.” *Transport Policy*, Volume 73, 2019, Pages 71-83, ISSN 0967-070X, <https://doi.org/10.1016/j.tranpol.2018.10.011>.

Chacon-Hurtado, D., **Losada-Rojas L.**, Yu D.J., Gkritza K., & Fricker J.D. 2020. “A Proposed Framework for the Incorporation of Economic Resilience into Transportation Decision Making.” *J. Manage. Eng.* 36 (6): 04020084. [https://doi.org/10.1061/\(ASCE\)ME.1943-5479.0000834](https://doi.org/10.1061/(ASCE)ME.1943-5479.0000834).

**Losada-Rojas L.L.** & K. Gkritza. 2021. “Individual and Location-based Characteristics Associated with AV Adoption in the Chicago Metropolitan Area: Implications for Public Health.” *Journal of Transport & Health*, 22, 101232. <https://doi.org/10.1016/j.jth.2021.101232>

**Losada-Rojas L.L.**, Pyrialakou V.D., Yue K., & Gkritza K. 2021. “Access to Healthy Food in Urban and Rural Areas: An Empirical Analysis.” (Under review, revised and submitted May 22, 2021).

Gkartzonikas C., **Losada-Rojas L.L.**, Pyrialakou V.D., Christ S., & Gkritza K. 2021. “A Multi-group Analysis of the Behavioral Intention to Ride in Autonomous Vehicles: Evidence from Three U.S. Metropolitan Areas.” *Transportation* (under review, revised and submitted May 5, 2021).

**Losada-Rojas, L.L.**, Gkritza, K., & Pyrialakou, V.D. “Assessing the First and Last Mile Problem for Intercity Passenger Rail Service.” *Proceedings of the 2018 Joint Rail Conference*. 2018 Joint Rail Conference. Pittsburgh, Pennsylvania, USA. April 18–20, 2018. V001T05A002. ASME. <https://doi.org/10.1115/JRC2018-6172>.

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### Presentations

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**Losada-Rojas, L.L.**, Pyrialakou V.D., Waldorf B., & Gkritza, K. *Quantifying the Difference of Opportunities to Enhance Health in Urban, Suburban, Large Towns, and Rural Areas in the U.S.* International Conference on Transport & Health. June 14-30, 2021.

**Losada-Rojas, L.L.** & Gkritza, K. *Public Acceptance and Socio-Economic Analysis of Shared Autonomous Vehicles: Implications of Policy and Planning*. 2021 CCAT Global Symposium on Connected and Automated Vehicles and Infrastructure. April 12, 2021.

**Losada-Rojas, L.L.** & Gkritza, K. *Characteristics Associated with AV Adoption in the Chicago Metropolitan Area: Implications for Public Health*. 2nd Annual Conference on Next-Generation Transport Systems. December 28-31, 2020.

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- Losada-Rojas, L.L.**, Gkartzonikas, C., & Gkritza, K. *Market Acceptance of Autonomous Vehicles in Transportation Disadvantaged Areas: Implications for Policy and Planning*. 99<sup>th</sup> Transportation Research Board Annual Meeting. Washington, D.C. January 12-13, 2020.
- Losada-Rojas, L.L.** & Gkritza, K. *Active Travel in the Autonomous Vehicles' era*. 2019 North American Regional Science Conference. Pittsburgh, PA. November 13-16, 2019.
- Gkartzonikas, C., **Losada-Rojas, L.**, & Gkritza, K. *Assessing of the Socio-economic Implications Related to the Emergence of Shared Autonomous Vehicles*. International Conference on Transportation and Development. Alexandria, Va. June 9-12, 2019.
- Losada-Rojas, L.L.**, Gkartzonikas, C., & Gkritza, K. *Public Acceptance of Autonomous Vehicles across Transportation Disadvantaged Areas in Indianapolis, IN*. CCAT Symposium. West Lafayette, IN. May 30, 2019.
- Gkartzonikas, C., **Losada-Rojas, L.L.**, & Gkritza, K. *Assessment of the Socio-economic Implications Related to the Emergence of Shared Autonomous Vehicles: The Tale of Two Midwestern Cities*. ITE Great Lakes District Annual Meeting. Indianapolis, IN. April 15, 2019
- Losada-Rojas, L.L.** & Gkritza, N. *The Nexus Between Rural Health and Transportation: Current Trends and Future Directions*. 2018 North American Regional Science Conference. San Antonio, TX. November 7-10, 2018.
- Losada-Rojas, L.L.**, Gkritza, K., & Pyrialakou, V.D. *Assessing the First and Last Mile Problem for Intercity Passenger Rail Services*. Joint Rail Conference 2018. Pittsburgh, PA. April 18-21, 2018.
- Losada-Rojas, L.L.**, Gkartzonikas, C., Gkritza, K., & Pyrialakou, V.D. *Riding the Hoosier State Train: Changes in Riders' Opinions over Time and Best Practices*. 2018 Purdue Road School Transportation Conference and Expo. West Lafayette, IN. March 7-11, 2018.
- Losada-Rojas, L.L.**, Gkartzonikas, C., Gkritza, K., & Pyrialakou, V.D. *Access to Intercity Passenger Rail: Effects on Mode Choice and Trip Frequency*. 97th Transportation Research Board Annual Meeting. Washington, D.C. January 7-11, 2018.
- Losada-Rojas, L.L.**, Gkritza, K., & Pyrialakou, V.D. *Assessing the First and Last Mile Problem in Intercity Passenger Rail Service*. 2017 North American Regional Science Conference. Vancouver, BC, Canada. November 9-11, 2017.
- Losada-Rojas, L.L.**; Gkartzonikas, C.; Gkritza, K.; & Pyrialakou, V.D. *Evaluating Opportunities to Enhance the Hoosier State Train Ridership Through a Survey of Riders' Opinions and an Assessment of Access to the Line*. ITE Great Lakes District Annual Meeting. Ann Arbor, MI. April 19-20, 2017
- Losada-Rojas, L.L.**, Gkartzonikas, C., Gkritza, K., & Pyrialakou, V.D. *Using Onboard Surveys to Monitor Changes in Passenger Rail Rider Opinion's Over Time: A Case Study of the Hoosier State Train*. 2017 Joint Rail Conference. Philadelphia, PA. April 4-7, 2017.
- Losada-Rojas, L.L.**, Gkartzonikas, C., Gkritza, K., & Pyrialakou, V.D. *Evaluating Opportunities to Enhance Hoosier State Train's ridership*. 2017 Purdue Road School Transportation Conference and Expo. West Lafayette, IN. March 69, 2017.
- Losada-Rojas, L.L.**, Gkritza, K., & Castro, W. *A Study to the Influence of the Implementation of Mass Transport System on Land Use. A Case Study of Washington D.C; Atlanta, GA; Boston, Ma; Medellin y Bogotá, Colombia*. Latin American Congress of Public Transportation (CLATPU). Montevideo, Uruguay. November 17-11, 2016.

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### Leadership Activities

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- **Professional Development Co-Chair** 2020-2021. Civil Engineering Graduate Student Advisory Council (CEGSAC).
- **Vice-President** 2019-2020. Civil Engineering Graduate Student Advisory Council (CEGSAC).
- **Vice-President** 2018-2019. Purdue ITE Chapter.
- **Treasurer** 2017-2018. Colombian Student Association at Purdue (CSAP).
- **Social Chair** 2017-2018. Purdue ITE Chapter.

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### Service Activities

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- **Organizer.** CEGSAC 2<sup>nd</sup> Annual Graduate Research Symposium, Lyles School of Civil Engineering. Spring 2021.
- **Organizer.** CEGSAC Research Bytes Burke Graduate Program Lyles School of Civil Engineering. Fall 2020.
- **Judge** Summer Undergraduate Research Fellows (SURF). Summer 2020 and 2021 at Purdue University.
- **Co-author.** Lyles School of Civil Engineering Graduate Mentorship Program (CE-GMP). 2018.
- **Co-author.** Uniminuto- Colombian Student Association at Purdue Initiative. Fall 2018.
- **Planning Committee, Sponsorship Coordinator.** 2017 Purdue ITE Student Leadership Summit.
- **Translator.** Gifted Education Resource Institute Summer Camp. Sumer 2017, 2018, and 2019.
- **Team Member Purdue.** ITE Collegiate Traffic Bowl, 2017: Great Lake District Winner 2017.

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### Mentoring Activities

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- Lyles School of Civil Engineering Graduate Mentorship Program. Fall 2019 and 2020.
- Engineering FYI: For Your Imagination. Summer 2019.
- Undergraduate Research Experience Purdue-Colombia (Laura Camila Niño Corredor, 2016; Laura Tatiana Rodriguez Bayona, 2018; and Daisha Cardenas, 2020-2021).
- Undergraduate Research Assistants (Sumedh Khair, 2019; and Adrian Michael Hansen, 2019; Carolina Solis Blanco, 2021).
- Master Students (Arianna Rambaram and Raul F. Elizondo C, 2019-2021).

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### Honors/Awards

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- 2021 Bilsland Dissertation Fellowship – Purdue University.
- 2020 Eldon J. Yoder Memorial Award – Lyles School of Civil Engineering.
- 2019 CCAT Symposium Best Presentation Award.
- 2018-2019 WTS Maggie Walsh Leadership Legacy Scholarship.
- 2018-2019 ITE Edward J. Cox Memorial Transportation Scholarship Award.
- 2017 Best Presenter Award – Purdue ITE Fall Seminar.
- 2017 Purdue Women in Engineering Program Fall Travel Grant.
- 2016 – 2020 Doctoral studies abroad Scholarship (COLCIENCIAS) – Colombia.
- 2016 Best Civil Engineering Undergraduate Thesis Award – Universidad Nacional de Colombia.
- 2015 Undergraduate Research Experience Purdue-Colombia – UREPC – Purdue University.

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### Skills

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**Languages:** Spanish, English.

**Software Packages:** R-studio, STATA, Phyton, ArcGIS, ArcPy, SAS, Nlogit 6, TransCAD, MS Office, Autodesk Inventor, Adobe Creator.