

Academic Credentials

Diploma CE	National Technical University of Athens, Greece	2001
MSCE	Virginia Polytechnic Institute and State University, Virginia	2003
PhD	Purdue University, West Lafayette, Indiana	2006

Employment History

Assistant Professor, Department of Civil, Construction, and Environmental Engineering, Iowa State University, Ames, Iowa, August 2007–August 2013.

Director, Sustainable Transportation Systems Program, Institute for Transportation, Iowa State University, Ames, Iowa, August 2011– August 2013.

Associate Director, Mid-American Transportation Center, Region 7 University Transportation Center, US Department of Transportation, January 2012–August 2013.

Associate Professor, Lyles School of Civil Engineering, Department of Agricultural and Biological Engineering, Purdue University, West Lafayette, Indiana, August 2013–August 2019.

Professor, Lyles School of Civil Engineering, Department of Agricultural and Biological Engineering, Purdue University, West Lafayette, Indiana, August 2019–present.

Campus Director, National Science Foundation Engineering Research Center ASPIRE, September 2020–present.

University Faculty Scholar, College of Engineering, Purdue University, West Lafayette, Indiana, July 2021–2025.

Publications

Refereed journal papers (since 2022, 80 in total)

1. Gkartzonikas, C., L.L. Losada Rojas, S. Christ, V.D. Pyrialakou, and K. Gkritza, “Behavioral Intention to Ride in Autonomous Vehicles: Theoretical Constructs and Empirical Results from Three U.S. Cities”, *Transportation* (2022). <https://doi.org/10.1007/s11116-021-10256-7>
2. Trinko, D., N. Horesh, R. Zane, Z. Song, A. Kamimeni, T. Konstantinou, K. Gkritza, T. Bradley, J. Quinn, “In-Motion Wireless Power Transfer Applied in High-Density Traffic Corridors: Economic Feasibility,” *e-Transportation* 11-10054 (2022). <https://doi.org/10.1016/j.etrans.2021.100154>
3. Adsit, S., T. Konstantinou, K. Gkritza, J. Fricker, “Public Acceptance of and Confidence in Navigating Intersections with Alternative Designs: A Bivariate Ordered Probit Analysis,” *ASCE Journal of Transportation* 148(9) (2022). <https://doi.org/10.1061/JTEPBS.0000696>
4. Gkartzonikas, C., Y. Ke, and K. Gkritza, “A Tale of Two Modes: Who Will Use Single User and Shared Autonomous Vehicles,” *Case Studies in Transport Policy* 10(3): 1566–1580 (2022). <https://doi.org/10.1016/j.cstp.2022.05.015>
5. Losada Rojas, V.D. Pyrialakou, B. Waldorf, J. Banda, and K. Gkritza, “The Effect of Location on Physical Activity: Implications for Active Travel,” *Journal of Transport Geography* 104 (2022). <https://doi.org/10.1016/j.jtrangeo.2022.103441>
6. Haddad, D., T. Konstantinou, D., Aliprantis, K. Gkritza, S. Pekarek, J. Haddock, “Analysis of the Financial Viability of High-Powered Electric Roadways: A Case Study for the State of Indiana,” *Energy Policy* Volume 171, 113275 (2022). <https://doi.org/10.1016/j.enpol.2022.113275>
7. Konstantinou, T., C. Gkartzonikas, K. Gkritza, “Public Acceptance of Electric Roadways,” *International Journal of Sustainable Transportation* 17(1) (2023). <https://doi.org/10.1080/15568318.2021.1983675>

8. Konstantinou, T., K. Gkritza, “Examining the Barriers to Electric Truck Adoption as a System: A Grey-DEMATEL Approach,” *Transportation Research Interdisciplinary Perspectives*, 17: 100746 (2023). <https://doi.org/10.1016/j.trip.2022.100746>
9. Le W., Sharp, B., Meng, T., Du, B., Yi, M., Suomalainen, K., Gkritza, K., “Exploration of the Nexus between Solar Potential and Electric Vehicle Uptake: Evidence from New Zealand,” *Energy Policy*, Volume 173, 113406 (2023). <https://doi.org/10.1016/j.enpol.2022.113406>
10. Kang, K., D. Chen, D. Koo, C. Peng, K. Gkritza and S. Labi, “Agent-based Simulation Model for Electric Vehicle Long-Distance Trips in the State of Indiana,” *Transportation Research Record, Journal of the Transportation Research Board* 2677(2): 555–563 (2023). <https://doi.org/10.1177/03611981221107921>
11. Konstantinou, T., S. Labi, K. Gkritza, “Assessing Highway Revenue Impacts of Electric Vehicles Using a Case Study,” *Research in Transportation Economics*, 100, 101248 (2023). <https://doi.org/10.1016/j.retrec.2022.101248>
12. Flaris, K., K. Gkritza, P. Singleton, A. Graul, Z. Song, “Bus Riders’ Perceptions towards Transit Bus Electrification,” *Transportation Research Part D: Transport and Environment, Special Issue on Public Transit Electrification*, 117, 103642 (2023). <https://doi.org/10.1016/j.trd.2023.103642>
13. Konstantinou, T., K. Gkritza, “Are We Getting Close to Truck Electrification? U.S. Truck Fleet Managers’ Stated Intentions to Electrify their Fleets,” *Transportation Research Part A: Policy and Planning* 173, 103697 (2023). <https://doi.org/10.1016/j.tra.2023.103697>
14. Luo, H., Chahine, R^G, Gkritza, K., Cai, H., “What Motivates the Use of Shared Mobility Systems and their Integration with Public Transit: Evidence from A Choice Experiment Study,” *Transportation Research Part C: Emerging Technologies*, 155, 104286 (2023). <https://doi.org/10.1016/j.trc.2023.104286>
15. Chahine, R., Luo, H.G, Cai, H., Gkritza, K., “A Comparative Analysis of Bike-sharing and E-scooter Sharing Services in a College Town,” *Case Studies on Transport Policy*, 15, 101130 (2024). <https://doi.org/10.1016/j.cstp.2023.101130>
16. Sinton, J. G. Cervini, K. Gkritza, K., S. Labi, Z. Song, “Examining Electric Vehicle Adoption at the Postal Code Level in US States,” *Transportation Research Part D: Transport and Environment*, 127, 104068 (2024). <https://doi.org/10.1016/j.trd.2024.104068>
17. Qian, X., K. Gkritza, “Spatial and Temporal Variance in Public Perception of Electric Vehicles: A Comparative Analysis of Adoption Pioneers and Laggards Using Twitter Data,” *Transport Policy*, 149: 150–162 (2024). <https://doi.org/10.1016/j.tranpol.2024.02.011>
18. Chahine, R, L. L. Losada-Rojas, K. Gkritza, “Navigating Post-Pandemic Urban Mobility: Unveiling Intentions for Shared Micro-Mobility Usage Across Three U.S. Cities”, *Travel Behavior and Society*, 36, 100813 (2024). <https://doi.org/10.1016/j.tbs.2024.100813>
19. Losada-Rojas, L. L., A. Cruz-Porter, I. Kumar, L.J. Beaulieu, K. Gkritza, “Community Capitals and Economic Resilience: Insights from the Great Lakes Region Post-Great Recession,” *Regional Studies*, 1–17 (2024). <https://doi.org/10.1080/00343404.2024.2355987>
20. Chahine, R, LS. Christ, K. Gkritza, “A Latent Class Analysis of Public Perceptions About Shared Mobility Barriers and Benefits”, *Transportation Research Interdisciplinary Perspectives*, 25, 101132 (2024). <https://doi.org/10.1016/j.trip.2024.101132>
21. Losada-Rojas, L. L., D. Pyrialakou; B. S. Waldorf, J. A. Banda, K. Gkritza, “Understanding Transportation-related Health Determinants and their Interrelationships in Rural U.S.,” *Journal of Transport & Health*, 38, 101887 (2024). <https://doi.org/10.1016/j.jth.2024.101887>
22. Cervini, G., J. Jung, K. Gkritza “Temperature and Electric Vehicle Adoption: A ZIP Code-Level Analysis in the US”, *Transportation Research Part D: Transport and Environment*, 136, 104435 (2024). <https://doi.org/10.1016/j.trd.2024.104435>
23. Liang, N., Krishna, A., Pitts, B., S. Connaughton, Kozak, K., Gkritza, K., “Understanding Older Adults' Needs for and Perceptions of Shared Autonomous Vehicles,” *Applied Ergonomics*, 123, 104408 (2025). <https://doi.org/10.1016/j.apergo.2024.104408>

24. Chahine, R, J. Duarte, K. Gkritza, “Effect of Protected Bike Lanes on Bike-Sharing Ridership: A New York City Case Study”, *Journal of Transport Geography* (accepted on January 28, 2024).

Technical Reports (since 2020, 38 in total)

1. Ke, Y., Losada-Rojas, L. L., Chacon-Hurtado, D., Gkritza, K., & Fricker, J. D. (2020). “Incorporating Economic Resilience Metrics into INDOT’s Transportation Decision-making” (Joint Transportation Research Program Report No. FHWA/IN/JTRP-2020/04). West Lafayette, IN: Purdue University. <https://doi.org/10.5703/1288284317115> [235 downloads as of 11/12/2024]
2. Adsit, S. E., Konstantinou, T., Gkritza, K., & Fricker, J. D. (2021). Public Acceptance of INDOT’s Traffic Engineering Treatments and Services (Joint Transportation Research Program Publication No. FHWA/IN/JTRP-2021/01). West Lafayette, IN: Purdue University. <https://doi.org/10.5703/1288284317280> [251 downloads as of 11/12/2024]
3. Iyer, A. V., Gkritza, K., Dunlop, S. R., Thakkar, D. J., Candanedo, R., Jayan, S., Gupta, P., Jain, R., Bhargav, S., Sabnis, A., Chopra, V., & Chen, X. (2021). “Last Mile Delivery and Route Planning for Freight” (Joint Transportation Research Program Publication No. FHWA/IN/JTRP-2021/13). West Lafayette, IN: Purdue University. <https://doi.org/10.5703/1288284317315> [145 downloads as of 11/12/2024]
4. Konstantinou, T., Haddad, D., Prasad, A., Wright, E., Gkritza, K., Aliprantis, D., Pekarek, S., & Haddock, J. E. (2021). “Feasibility Study and Design of In-Road Electric Vehicle Charging Technologies” (Joint Transportation Research Program Publication No. FHWA/IN/JTRP-2021/25). West Lafayette, IN: Purdue University. <https://doi.org/10.5703/1288284317353> [3,100 downloads as of 11/12/2024]
5. Losada-Rojas, L. L., A. Cruz-Porter, I. Kumar, L.J. Beaulieu, K. Gkritza (2022), “Economic Resilience and Recovery in the U.S. Great Lakes Region: A Socioeconomic and Transportation Infrastructure Perspective”, U.S. Economic Development Administration.
6. Konstantinou, T., Chen, D., Flaris, K., Kang, K., Koo, D. D., Sinton, J., Gkritza, K., & Labi, S. (2022). “A Strategic Assessment of Needs and Opportunities for the Wider Adoption of Electric Vehicles in Indiana” (Joint Transportation Research Program Publication No. FHWA/IN/JTRP-2022/12). West Lafayette, IN: Purdue University. <https://doi.org/10.5703/1288284317376> [596 downloads as of 11/12/2024]
7. Chahine, R., Adu Gyamfi, P., Subash, N., Cho, W., Kelley, K. O., Connaughton, S. L., & Gkritza, K. (2022). “Design of Educational Material and Public Awareness Campaigns for Improving Work Zone Driver Safety” (Joint Transportation Research Program Publication No. FHWA/IN/JTRP-2022/13). West Lafayette, IN: Purdue University. <https://doi.org/10.5703/1288284317375> [214 downloads as of 11/12/2024]
8. Gkritza, K., Gkartzonikas, C., Losada-Rojas, L. L. and Candanedo, R. E., *Public* “Acceptance and Socio-Economic Analysis of Shared Autonomous Vehicles: Implications for Policy and Planning” (2022). *Center for Connected and Automated Transportation*. Paper 9. <http://dx.doi.org/10.5703/1288284317568> [221 downloads as of 11/12/2024]
9. Gkritza, K., Gkartzonikas, C., Losada-Rojas, L. L. and Zhang, Z., “Behavioral Intention to Ride in an AV and Implications on Mode Choice Decisions, Energy Use and Emissions” (2022). *Center for Connected and Automated Transportation*. Paper 10. <http://dx.doi.org/10.5703/1288284317569> [231 downloads as of 11/12/2024]
10. Gkritza, K., Losada-Rojas, L. L., “Ridesharing, Active Travel Behavior, and Personal Health: Implications for Shared Autonomous Vehicles” (2022). *Center for Connected and Automated Transportation*. Paper 11. <http://dx.doi.org/10.5703/1288284317570> [261 downloads as of 11/12/2024].

11. Luo, H., Chahine, R., Rambaram, A., Rosenzweig, E. T., Gkritza, K., & Cai, H. (2022). “Assessing the Travel Demand and Mobility Impacts of Transformative Transportation Technologies in Indiana” (Joint Transportation Research Program Publication No. FHWA/IN/JTRP-2022/11). West Lafayette, IN: Purdue University. <https://doi.org/10.5703/1288284317374> [249 downloads as of 11/12/2024].
12. Liang, N., Krishna, A., Gkritza, K., Kozak, K., (2023). “Preferences of Seniors 65yr+ for Interiors of Shared Autonomous Vehicles,” Ford Research & Advanced Engineering Project No.: 000376-PUR0036-H.
13. Ju, H. K., Kim, T. R., Kang, K., Koo, D. D., Gkritza, K., & Labi, S. (2023). “A Strategic Assessment of Needs and Opportunities for the Wider Adoption of Electric Vehicles in Indiana-Phase II” (Joint Transportation Research Program Publication No. FHWA/IN/JTRP-2023/04). West Lafayette, IN: Purdue University. <https://doi.org/10.5703/1288284317590> [141 downloads as of 11/12/2024].
14. Gkritza, K. and Chahine, R., “The Impact of COVID-19 on User Perceptions of Public Transit, Shared Mobility/Micro-Mobility Services, and Emerging Vehicle Types” (2023). *Center for Connected and Automated Transportation*. Paper 35. <http://dx.doi.org/10.5703/1288284317648> [249 downloads as of 11/12/2024].
15. Verma, R., Luo, H., Deodhar, S., Ka, E., Chahine, R., Natu, P., Malhotra, H., & Polisetty, V., Thakkar, D. J., Ukkusuri, S. V., Cai, H., Dunlop, S. R., Iyer, A. V., & Gkritza, K. (2023). “Forecasting Shifts in Hoosiers’ Travel Demand and Behavior (Joint Transportation Research Program Publication No. FHWA/IN/JTRP-2023/28). West Lafayette, IN: Purdue University. <https://doi.org/10.5703/1288284317685> [60 downloads as of 11/12/2024]
16. Moncada, O. A., Imran, Z., Vickers, C., Gkritza, K., Pekarek, S., Aliprantis, D., Brovont, A., Jahangiri, B., & Haddock, J. E. (2024). “Full-scale Dynamic Wireless Power Transfer and Pilot Project Implementation” (Joint Transportation Research Program Publication No. FHWA/IN/JTRP-2024/11). West Lafayette, IN: Purdue University. <https://doi.org/10.5703/1288284317744> [78 downloads as of 11/12/2024]
17. Mwamba, I. C., Benny, D., John, A. P., Holguin Mejia, D. O., Song, D., Sabu, J., Dong, J., Pourgholamali, M., Modali, S., Ajagu, R. O., Agbelie, B. R., Volovski, M., Gkritza, K., Sinha, K. C., & Labi, S. (2024). “Updating Cost Allocation and Revenue Attribution” (Joint Transportation Research Program Publication No. FHWA/IN/JTRP-2024/23). West Lafayette, IN: Purdue University. <https://doi.org/10.5703/1288284317764> [12 downloads as of 11/12/2024]
18. Padhye, S., Sharma, A., Arefkhani, H., Benny, D., Gkritza, K., Labi, S., & Hastak, M. (2024). “INDOT Project Change Orders: Root Causes and Recommendations” (Joint Transportation Research Program Publication No. FHWA/IN/JTRP-2024/14). West Lafayette, IN: Purdue University. <https://doi.org/10.5703/1288284317747>

Service

Memberships in academic, professional and scholarly societies

- American Society of Civil Engineers (since 2003)
 - T&DI Planning, Economics and Finance Committee (2010-2015)
- American Society for Engineering Education (since 2008)
- Institute of Transportation Engineers (since 2003)
- International Association for Travel Behaviour Research (since 2022)
- International Road Federation (since 2006)
 - Committee on Road Finance and Economics (2010-2014)
- North American Colleges & Teachers of Agriculture (since 2014)

- Society of Women Engineers (since 2005)
- Transportation Research Forum (since 2014)
- Tau Beta Pi (since 2006)
- Transportation Research Board
 - Committee on Transportation and Economic Development
 - Member since 2006
 - Paper review coordinator, 2009–2012
 - Co-Chair, 2014–2020
 - Committee on Transportation Economics
 - Member 2008–2013
 - Committee on Freight Transportation Economics and Regulation
 - Member 2009–2021
 - Planning and Environment Group Young Member Council
 - Member 2010–2012
 - Committee on Motorcycles and Mopeds
 - Member, 2012–2018
 - Committee on Agricultural Transportation
 - Member 2020–2023
 - Committee on Transportation and Energy
 - Member, 2023–2026

Honors and awards (post Ph.D.)

- 2008 American Society of Civil Engineers ExCEED Fellow.
- 2011 Schafer Award for Excellence in Teaching, Research, and Service, Civil, Construction, and Environmental Engineering, Iowa State University.
- 2013 Early Career Engineering Faculty Research Award, College of Engineering, Iowa State University.
- 2014 National Academy of Engineering Frontiers of Engineering Education Symposium Attendee.
- 2016 2016 Outstanding Engineering Graduate Student Mentor, Lyles School of Civil Engineering.
- 2016 Jane F. Garvey/UMass ITE Transportation Leadership Award.
- 2017 College of Engineering Faculty of Excellence in Leadership Award, Purdue University.
- 2017 Greek Diaspora Fellow, Institute of International Education, Stavros Niarchos Foundation and Fulbright Foundation in Greece.
- 2017 Best Reviewer Award, International Journal of Transportation Science and Technology.
- 2018 Purdue Policy Research Institute Fellow, 2018–2019.
- 2020 Faculty Leadership Academy for Interdisciplinary Research (FLAIR) Fellow, Spring/Fall 2020.
- 2020 Purdue Policy Research Institute Affiliate, 2020–2021.
- 2022 American Society of Civil Engineers (ASCE) Frank M. Masters Transportation Engineering Award.
- 2022 2022 Outstanding Faculty Mentor Award Recipient, College of Engineering, Purdue University.
- 2023 Outstanding Associate Editor Award, International Journal of Transportation Science and Technology.
- 2023 ASCE Fellow, ASCE Board of Directors.
- 2024 Executive Leadership in Academic Technology, Engineering and Science (ELATES) Fellow, Drexel University.