
Erick Guerra

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EDUCATION

- 2013 Ph.D., City and Regional Planning, University of California, Berkeley
Dissertation: *The new suburbs: Evolving travel behavior, the built environment, and subway investments in Mexico City*
(Committee: Robert Cervero, Chair; Daniel Chatman; Elizabeth Deakin; Joan Walker)
- 2007 Master of Urban Planning, Graduate School of Design, Harvard University
- 2001 BA in Fine Arts and French, University of Pennsylvania

APPOINTMENTS

- 2013-2022 Associate Professor (Assistant Professor 2013-2018), Department of City and Regional Planning, University of Pennsylvania
- 2019-2022 Director, Cooperative Mobility for Competitive Megaregions Transportation Center, University of Pennsylvania
- 2017-2022 Director of Education and Outreach, Mobility 21 National Transportation Center, University of Pennsylvania
- 2015-2022 Faculty Fellow, Penn Institute for Urban Research, University of Pennsylvania
- 2015-2021 Faculty Investigator, Penn Injury Science Center, University of Pennsylvania
- 2009-2012 Doctoral Researcher, University of California Transportation Center, University of California, Berkeley
- 2007-2009 Teaching Associate, Harvard Graduate School of Design
- 2007-2009 Research Associate, Institute for International Urban Development, Cambridge, MA

PUBLICATIONS

Peer-reviewed articles

- Guerra, Erick (2022). What the heck is a choice rider? A theoretical framework and empirical model. *Journal of Transport and Land Use*, 15 (1): 165-182.
- Guerra, Erick and Ariadna Reyes (2022). Examining behavioral responses to Mexico City's driving restriction: a mixed methods approach. *Transportation Research Part D: Transport and Environment*, 104.

- Guerra, Erick, Alex Li, and Ariadna Itzel Reyes Sánchez (2022). How do low-income commuters get to work in US and Mexican cities? A comparative empirical assessment *Urban Studies*, 59 (1).
- Shantz, Aaron, Jeff Casello, Clarence Woudsma, and Erick Guerra (2022). Understanding Factors Associated with Commuter Rail Ridership: A Demand Elasticity Study of the GO Transit Rail Network. *Transportation Research Record*, <https://doi.org/10.1177/03611981221082573>.
- Guerra, Erick, Andrew Sandweiss, and Seunglee David Park (2021). “Does Rationing Really Backfire? A Critical Review of the Literature on License-Plate-Based Driving Restrictions.” *Transport Reviews*, <https://doi.org/10.1080/01441647.2021.1998244>.
- Guerra, Erick and Meiqing Li (2021). The relationship between urban form and mode choice in US and Mexican cities: A comparative analysis of workers’ commutes. *Journal of Transport and Land Use*, 14(1).
- Dong, Xiaoxia., Erick Guerra, and Ricardo Daziano (2021). Impact of TNC on travel behavior and mode choice: a comparative analysis of Boston and Philadelphia. *Transportation* <https://doi-org.proxy.library.upenn.edu/10.1007/s11116-021-10220-5>
- Guerra, Erick, He Zhang, Luke Hassall, Jialin Wang, and Anna Cheyette (2020). Who cycles to work and where? A comparative multilevel analysis of urban commuters in the US and Mexico. *Transportation Research Part D: Transport and Environment* 87: <https://www.sciencedirect.com/science/article/pii/S1361920920307410>
- Guerra, Erick, Xiaoxia Dong, Lufeng Lin and Yue Guo (2020). A Temporal Analysis of Pedestrian Crashes. *Transportation Research Record* 2674 (8): 252-63.
- Morris, Erick, Evelyn Blumenberg, and Erick Guerra (2020). Does lacking a car put the brakes on activity participation? Private vehicle access, time use, and subjective well-being among low-income adults. *Transportation Research Part A: Policy and Practice* 136: 375-397.
- Guerra, Erick and Ricardo Daziano (2020). Electric vehicles and residential parking in an urban environment: results from a stated preference experiment. *Transportation Research Part D: Transport and Environment* 79: 10222.
- Merlin, Louis A., Erick Guerra, and Eric Dumbaugh (2020). Crash Risk, Crash Exposure, and the Built Environment: A Conceptual Review. *Accident Analysis & Prevention* 134: 105244.
- Guerra, Erick, Julie Gamble, and John Taylor (2020). Bus Rapid Transit in Solo, Indonesia: Lessons from a Low Ridership System. *Case Studies on Transport Policy* 8 (2): 492-499.
- Li, Shengxiao (Alex), Yixue Zhang, Hangqing Ruan, Erick Guerra, and Denise Burnette (2020). “The Role of Transportation in Older Adults’ Use of and Satisfaction with Primary Care in China.” *Journal of Transport & Health* 18: <https://doi.org/10.1016/j.jth.2020.100898>.
- Dubey, Subodh, Prateek Bansal, Ricardo Daziano, and Erick Guerra (2020). A Generalized Continuous-Multinomial Response Model with a t-distributed Error Kernel. *Transportation Research Part B: Methodological* 133: 114-141.

- Montejano, J., Caudillo, C., Monkkonen, P., Guerra, E., Núñez, J. M., Garza, B. E., Ávila, G., & Medina, S. (2020). Urban Form and Productivity in México 1995-2015. *European Journal of Sustainable Development* 9(1), 300–300.
- Monkkonen, Paavo, Jorge Montejano, Erick Guerra, and Camilo Caudillo (2020). Compact Cities and Economic Productivity in Mexico.” *Urban Studies* 57 (10), 2080-2097
- Guerra, Erick, Xiaoxia Dong, and Michelle Kondo (2019). Do Denser Neighborhoods Have Safer Streets? Population Density and Traffic Safety in the Philadelphia Region. *Journal of Planning Education and Research*.
- Guerra, Erick (2019). Electric vehicles, air pollution, and the motorcycle city: A stated preference survey of consumers’ willingness to adopt electric motorcycles in Solo, Indonesia. *Transportation Research Part D: Transport and Environment* 68: 52–64.
- Dong, Xiaoxia, Matt DiScenna, and Erick Guerra (2019). Transit user perception of driverless buses. *Transportation* 46 (1), 35-50.
- Reina, Vincent, Jake Wegmann, and Erick Guerra (2019). Are Location Affordability and Fair Housing on a Collision Course? *Cityscape* 21 (1): 125–142.
- Landis, John, David Hsu, and Erick Guerra (2019). Intersecting national climate change policy with local development trends, travel patterns, and building forms. *Journal of Planning Education and Research* 39 (2), 206-226.
- Guerra, Erick, Camilo Caudillo, Paavo Monkkonen, and Jorge Montejano (2018). Urban form, transit supply, and travel behavior in Latin America: Evidence from Mexico’s 100 largest urban areas. *Transport Policy* 69: 98–105.
- Guerra, Erick, Camilo Caudillo, Cynthia Goytia, Tatiana Peralta Quiros, and Camila Rodriguez (2018). Residential Location, Urban Form, and Household Transportation Spending in Greater Buenos Aires. *Journal of Transport Geography* 72: 76–85.
- Klein, Nicholas, Erick Guerra, and Michael Smart (2018). The Philadelphia story: Age, race, gender and changing travel trends. *Transport Geography* 69: 19–25.
- Bansal, Prateek, Ricardo Daziano, and Erick Guerra (2018). A Minorization-Maximization (MM) algorithm for semiparametric logit models: bottlenecks, extensions, and comparisons. *Transportation Research Part B: Methodological* 115: 17-40.
- Kondo, Michelle C., Christopher Morrison, Erick Guerra, Elinore J. Kaufman, and Douglas J. Wiebe (2018). Where do bike lanes work best? A Bayesian spatial model of bicycle lanes and bicycle crashes. *Safety Science* 103: 225–33.
- Monkkonen, Paavo, Andre Comandon, Jorge Alberto Montejano Escamilla, and Erick Guerra (2018). Urban sprawl and the growing geographic scale of segregation in Mexico, 1990–2010. *Habitat International* 73: 89–95.
- Guerra, Erick and Adam Millard-Ball (2017). Getting around a license-plate ban: Behavioral responses to Mexico City’s driving restriction. *Transportation Research Part D: Transport and Environment* 55: 113-126.

- Guerra, Erick (2017). Does where you live affect how much you spend on transit? The link between urban form and household transit expenditures in Mexico City. *The Journal of Transport and Land Use* 10 (1): 1–24.
- Guerra, Erick (2016). Planning for cars that drive themselves. *Journal of Planning Education and Research* 36 (2): 210–24.
- Guerra, Erick (2015). Has Mexico City's shift to commercially produced housing increased car ownership and car use? *Journal of Transport and Land Use* 8 (2): 171–89.
- Guerra, Erick (2015). The geography of car ownership in Mexico City: A joint model of households' residential location and car ownership decisions. *Journal of Transport Geography* 43 (1): 171–80.
- Morris, Eric A. and Erick Guerra (2015). Are we there yet? Trip duration and mood during travel. *Transportation Research Part F: Traffic Psychology and Behaviour* 33 (August): 38–47.
- Guerra, Erick (2014). The built environment and car use in Mexico City: Is the relationship changing over time? *Journal of Planning Education and Research* 34 (4): 394-408.
- Guerra, Erick (2014). Mexico City's suburban land use and transit connection: The effects of the Line B Metro expansion. *Transport Policy* 32 (March): 105–114.
- Morris, Eric A., and Erick Guerra (2014). Mood and mode: does how we travel affect how we feel? *Transportation* 42 (1): 25–43.
- Guerra, Erick, Robert Cervero, and Daniel Tischler (2012). The half-mile circle: Does it best represent transit station catchments? *Transportation Research Record* 2276 (1): 101-109.
- Guerra, Erick and Robert Cervero (2011). Cost of a ride: The effects of densities on fixed-guideway transit ridership and costs. *Journal of the American Planning Association*, 77 (3): 267-290.
- Guerra, Erick (2011). Valuing rail transit: Comparing capital and operating costs to consumer benefits. *Transportation Research Record* 2219 (1): 50-58.
- Cervero, Robert and Erick Guerra (2011). To T or not to T: A ballpark assessment of the costs and benefits of urban rail transportation. *Public Works Management & Policy* 16 (2): 111-128.
- Guerra, Erick (2010). Too much riding on climate change? *Berkeley Planning Journal* 23: 9-17.

Books and book chapters

- Guerra, Erick and Gilles Durantou (2021) Transport modes and cities. In: Vickerman, Roger (eds.) *International Encyclopedia of Transportation*. vol. 5, pp. 45-50. UK: Elsevier Ltd.
- Cervero, Robert, Erick Guerra, and Stefan Al (2017). *Beyond mobility: Planning cities for people and places*. Washington, D.C.: Island Press.
- Guerra Erick and Camilo Caudillo (2017). *Movilidad y desarrollo sustentable*, in *Densidad, diversidad, y policentrismo: ¿planeando ciudades más sustentables?* (Ed., Jorge Montejano). Ciudad de México: Consejo Nacional de Ciencia y Tecnología.

Other academic articles and book reviews

- Guerra, Erick (2019). Urban Form, Transit Supply, and Travel Behavior in Mexico's 100 Largest Urban Areas. *Urban Link*, March 2019 issue.
- Guerra, Erick, and Eric A. Morris (2018). Cities, automation, and the self-parking elephant in the room. *Planning Theory & Practice* 19 (2): 291-297.
- Guerra, Erick (2016). Review: The folklore of the freeway: Race and revolt in the modernist city. *Planning Perspectives*, 31 (1): pp. 134–35.
- Guerra, Erick (2015). Suburban transit in Mexico City. *ACCESS Magazine* 46: 20-25.
- Guerra, Erick (2015). When autonomous cars take to the road. *Planning Magazine*, May 2015 issue.
- Guerra, Erick and Robert Cervero (2013). Is a half-mile circle the right standard for TODs? *ACCESS Magazine* 42: 15-19.
- Guerra, Erick and Robert Cervero (2012). Transit and the “D” word. *ACCESS Magazine* 40: 2-8.

Selected reports and working papers

- Montejano, Jorge, Paavo Monkkonen, Erick Guerra and Camilo Caudillo (2019). The costs and benefits of urban expansion: Evidence from Mexico, 1990-2010. Cambridge, MA: Lincoln Institute of Land Policy.
- Guerra, Erick and Camilo Caudillo (2017). The geography of housing and transportation costs in Buenos Aires. Washington, DC: The World Bank.
- Duranton, Gilles and Erick Guerra (2016). Moving to access: Urban development, transportation, and accessibility. Washington, DC: The Brookings Institution.
- Guerra Erick and Mariel Kirschen (2016). Housing plus transportation affordability indices: uses, opportunities, and challenges. Technical paper for OECD round-table on income inequality, social inclusion, and mobility.
- Kota Kita with Urban Launchpad (2015). The Angkots of Solo: Report of Batik Solo Transit and Angkot integration. Solo, Indonesia: Kota Kita.
- Chatman, Daniel, Robert Cervero, Don Emerson, Ian Carlton, Dana Weissman, Emily Moylan, Joe Zissman, Erick Guerra, Jin Murakami, Paolo Ikezoe, Donald Emerson, Daniel Tischler, Daniel Means, Sandra Winkler, Kevin Sheu, and Sun Young Kwon (2014). Making effective fixed-guideway transit investments: Indicators of success. Transit Cooperative Research Program Report 167; Volume 1: Handbook; Volume 2: Research Report. Washington, DC: Transportation Research Board
- Rifai, Ahmad, Erick Guerra, Michael Haggerty, and John Taylor (2011). Informal transportation networks in three Indonesian cities. Manila, Philippines: Cities Development Initiative for Asia.
- Cervero, Robert and Erick Guerra (2011) Urban densities and transit: A multi-dimensional perspective. University of California Institute of Transportation Studies Working Paper 2011-06. Berkeley: Institute of Transportation Studies.

TALKS

Conference Presentations

- 2022 *2022 Vision Zero PHL Conference*, Philadelphia, PA. “Roosevelt Boulevard Speed Cameras Effects on reported collisions and traffic fatalities.”
- 2022 *101st Annual Meeting of the Transportation Research Board*, Washington, DC. “What the heck is a choice rider? A theoretical framework and empirical model.”
- 2022 *101st Annual Meeting of the Transportation Research Board*, Washington, DC. “Who drives, where, and when? An evaluation of Mexico City's license-plate-based driving restrictions.”
- 2021 *World Symposium on Transport and Land Use Research*, Portland, Oregon. “What the heck is a choice rider?”
- 2021 *American Collegiate Schools of Planning Annual Conference*, Miami, Florida. “What the heck is a choice rider?”
- 2020 *American Collegiate Schools of Planning Annual Conference*, online. “Commute patterns of low-income workers in US and Mexican cities”
- 2019 *American Collegiate Schools of Planning Annual Conference*, Greenville, SC. “The relationship between urban form and mode choice in US and Mexican cities: A comparative analysis of workers’ commutes”
- 2018 *97th Annual Meeting of the Transportation Research Board*, Washington, DC. “The Philadelphia story: age, race, gender, and changing travel trends.”
- 2018 *97th Annual Meeting of the Transportation Research Board*, Washington, DC. “The geography of household transportation expenses in Greater Buenos Aires (Poster).”
- 2017 *American Collegiate Schools of Planning Annual Conference*, Denver, CO. “Does increasing neighborhood density mean safer streets?”
- 2017 *World Symposium on Transport and Land Use Research*, Brisbane, Australia. “Does where you live affect how much you spend on transit? The link between urban form and household transit expenditures in Mexico City.”
- 2017 *Symposium on Transportation Innovations and Urban Land in Latin America*, Berkeley, CA. “Sprawling density: transit use, vehicle ownership, and Mexico’s evolving urban form”
- 2017 *96th Annual Meeting of the Transportation Research Board*, Washington, DC. “Getting around a license-plate ban: Behavioral responses to Mexico City’s driving restriction.”
- 2017 *96th Annual Meeting of the Transportation Research Board*, Washington, DC. “Electric vehicles, air pollution, and the motorcycle city.”

- 2016 *American Collegiate Schools of Planning Annual Conference*, Portland, OR. “Urban form and travel outcomes in Mexico’s 100 largest urban agglomerations.”
- 2016 *95th Annual Meeting of the Transportation Research Board*, Washington, DC. “Urban form and household transit expenditures in Mexico City.”
- 2015 *American Collegiate Schools of Planning Annual Conference*, Houston, TX. “Electric vehicles, air pollution, and the motorcycle city.”
- 2015 *Network on European Communications and Transport Activity Research Conference*, Ann Arbor, MI. “Urban form and household transit expenditures in Mexico City.”
- 2015 *94th Annual Meeting of the Transportation Research Board*, Washington, DC. “Has Mexico City’s shift to commercially produced housing increased car ownership and car use?”
- 2014 *93rd Annual Meeting of the Transportation Research Board*, Washington, DC. “Planning for cars that drive themselves (Poster).”
- 2014 *American Collegiate Schools of Planning Annual Conference*, Philadelphia, PA. “Planning for cars that drive themselves.”
- 2014 *American Collegiate Schools of Planning Annual Conference*, Philadelphia, PA. “Evolving travel behavior, urban form, and subway investments in Mexico City.” 2013 Barclay Gibbs Jones Award for the Best Dissertation in Planning.
- 2014 *World Symposium on Transport and Land Use Research*, Delft, Netherlands. “Has Mexico City’s shift to commercially produced housing increased car ownership and car use?”
- 2014 *93rd Annual Meeting of the Transportation Research Board*, Washington, DC. “Mexico City’s suburban land use and transit connection.”
- 2013 *Joint AESOP / ACSP Congress*, Dublin, Ireland. “Mexico City’s suburban land use and transit connection.”
- 2013 *University of California Transportation Center Conference*, Los Angeles, CA. “Suburbanization, commercial housing development, and growing car ownership in Mexico City.”
- 2012 *American Collegiate Schools of Planning Annual Conference*, Cincinnati, OH. “Suburbanization, commercial housing development, and growing car ownership in Mexico City.”
- 2011 *90th Annual Meeting of the Transportation Research Board*, Washington, DC. “The half-mile circle.”
- 2011 *American Collegiate Schools of Planning Annual Conference*, Salt Lake City, UT. “Cost of a ride.”
- 2010 *University of California Transportation Center Conference*, Berkeley, CA. “Valuing transit.”

- 2010 *89th Annual Meeting of the Transportation Research Board*, Washington, DC. “Valuing transit.”
- 2010 *African Studies Association Annual Meeting*, San Francisco, CA. “Migrant associations and collective investments: Can public transportation provide an opportunity for combining financial and altruistic investments?”
- 2009 *University of California Transportation Center Conference*, Irvine, CA. “Modeling the emissions benefits of transportation projects in Quito, Ecuador.”

Invited Lectures

- 2021 *Inaugural Keynote Lecture to the Graduates of the Maestría Movilidad Urbana, Transporte y Territorio, Centro Universitario de Tonalá, Universidad de Guadalajara*. “The relationship between urban form and mode choice in US and Mexican cities”
- 2021 *American Council of Engineering Companies of PA Spring Conference*. “Getting to know your regional UTCs: Cooperative Mobility for Competitive Megaregions.
- 2019 *University of Pennsylvania Latin America and Caribbean Conference*, Philadelphia, PA. “Urban form, transit supply, and travel behavior in Latin America Evidence from Mexico's 100 largest urban areas.”
- 2019 *University of Southern California*, Los Angeles, CA. “Urban form, transportation technology, and travel behavior in Latin America: Evidence from Mexico's 100 largest urban areas.”
- 2019 *Harvard University*, Cambridge, MA. “Urban form, transportation technology, and travel behavior in Latin America: Evidence from Mexico's 100 largest urban areas”
- 2018 *Next Generation of Truck Freight Transport Summit*, Philadelphia, PA. “Freight and the Last Mile.”
- 2018 *University of Pennsylvania Bicycle Committee*, Philadelphia, PA. “Where do bike lanes work best?”
- 2018 *City of Philadelphia’s Vision Zero Research Partnership Workshop*, Philadelphia, PA. “What can we learn from the first automated-vehicle-involved traffic fatality?”
- 2018 *PennIUR Faculty Book Talk*, Philadelphia, PA. “Beyond mobility: Planning cities for people and places.”
- 2018 *Perry World House Global Shifts Workshop*, Philadelphia, PA. “Transit, sustainability, and cities in Mexico.”
- 2018 *Grupo Milenio Forum*, Mexico City. Foro sobre innovación en la movilidad de la Ciudad de México.

- 2018 *World Bank Meeting*, Buenos Aires, Argentina: “La geografía de la asequibilidad de vivienda y transporte en el Área Metropolitana de Buenos Aires.”
- 2017 *Philly Tech Week: The Self-Navigating Region*. Delaware Valley Regional Planning Commission, Philadelphia, PA. “Cities, automation, and the self-driving elephant in the room.”
- 2017 *Urban Land Institute: Driverless Car Working Group Meeting*. “Cities, automation, and the self-parking elephant in the room.”
- 2017 *Netherlands Ministry of Infrastructure and the Environment and the U.S. Department of Transportation Joint Research Workshop on Transportation*, Washington, DC. “Shared mobility, urban form, and self-driving the elephant in the room.”
- 2017 *Subcommittee Meeting on Emerging Vehicles for Low Speed Transportation, Transportation Research Board*, Washington, DC. “Electric vehicles, air pollution, and the motorcycle city.”
- 2017 *PenTrans Forum*. “Can theory meet practice? Academic institutions and transportation policy.”
- 2017 *Penn Injury Science Center Research Meeting*, Philadelphia, PA. “Does increasing neighborhood density mean safer streets?”
- 2017 *Carnegie Mellon University: Mobility 21 Faculty Seminar Series*, Pittsburgh, PA. “Electric vehicles, air pollution, and the motorcycle city.”
- 2017 *Organization for Economic Co-operation and Development Round-Table*, Paris, France. “Housing and transportation affordability.”
- 2016 *Delaware Valley Regional Planning Commission: Information Resources Exchange Group*, Philadelphia, PA. “Self-driving cars and the future(s) of urban transportation”
- 2015 *Dwell on Design*, New York, NY. “Driverless cars, urban form, and public policy.”
- 2015 *Delaware Valley Regional Planning Commission: Breaking Ground*, Philadelphia, PA. “Self-driving cars and the future(s) of urban transportation.”
- 2014 *Penn Institute for Urban Research Forum*, Philadelphia, PA. “Automation and the future of cities.”
- 2014 *Transit & Cities Conference*, Berkeley, CA. “Mexico City’s suburban transit.”
- 2014 *Delaware Valley Regional Planning Commission: Future Forces*, Philadelphia, PA. “Planning for cars that drive themselves.”
- 2014 *The Volpe National Transportation Systems Center Perspectives Series*, Cambridge, MA. “The geography of car ownership in Mexico City.”

- 2014 *Singapore-MIT Alliance for Research and Technology*, Singapore. “Has Mexico City’s shift to commercially produced housing increased car ownership and car use?”
- 2011 *Volvo Research and Educational Foundation: Centers of Excellence Workshop*, Beijing, China. “Urban densities and transit.”

TEACHING

Classes

- 2013-2022 Introduction to Transportation Planning (CPLN 550)
 Case Studies in International Multimodal Transportation (CPLN 655)
 Quantitative Methods of Planning (CPLN 501)
- 2021 Studio: Integrated transit and land use plan for Ciudad del Este, Paraguay (CPLN 760)
- 2018 Studio: planning the public realm in low income neighborhoods in Queretaro, Mexico (CPLN 760)
- 2016 Studio: developing a bicycle plan for Queretaro, Mexico (CPLN 760)
- 2002-2004 High School English (Peace Corps, Gabon)

Ph.D. students

- Current Bing-yu Chiu Ph.D. student, chair
 Shengxiao Li, Ph.D. candidate, chair
 Jay Arzu, Ph.D. student, chair
- Former Camilo Caudillo, Ph.D. 2022 (CentroGeo, Mexico), co-chair
 Laurent Corroyer, Ph.D. candidate, committee
 Aditi Manke, Ph.D. 2020, (Rutgers), committee
 Xiaoxia Dong, Ph.D. 2020, chair
 Chandan Deuskar, Ph.D. 2020, committee
 Daniel Suh, Ph.D. 2018, committee
 Amber Woodburn, Ph.D. 2016, committee

Advising

- 2013-2022 Sustainable Transportation and Infrastructure Advisees (10 students per year)
- 2015-2016 Smart Cities Advisees (5 students)
 Probation Advisees (5 students)

GRANTS

Research grants

- 2019-2022 U.S. Department of Transportation (**PI**) Cooperative Mobility for Competitive Megaregions (CM2), University Transportation Center, \$1,000,000 per year (\$200,000 for UPenn).
- 2017-2022 U.S. Department of Transportation (**team member**) with Rahul Mangharam (**PI**), \$3,000,000 per year (ca. 25% of funding for UPenn). “Mobility 21: National University Transportation Center for Improving Mobility.”
- 2020-2021 Mobility 21, University Transportation Center (**PI**), \$81,000. “Transit dependents, choice riders, and service criticality: an analysis of the determinants of bus ridership in the Philadelphia Region
- 2019-2021 Cooperative Mobility for Competitive Megaregions (CM2), University Transportation Center (**PI**), \$52,000. “Who drives, where, and when? An evaluation of behavioral responses to license-plated based driving restrictions.”
- 2019-2020 Cooperative Mobility for Competitive Megaregions (CM2), University Transportation Center (**PI**), \$59,000. “New in town: An examination of the impact of Uber and Lyft in Philadelphia”
- 2017-2019 Mobility 21, University Transportation Center (**PI**), \$50,000. “The built environment and pedestrian safety in the Philadelphia region.”
- 2017-2019 Cooperative Mobility for Competitive Megaregions (CM2), University Transportation Center (**PI**), \$105,000. “Transportation and land use across US and Mexican cities and megaregions.”
- 2018-2019 Kleinman Center Faculty Grant (**PI**) \$15,000. “Valuation of electric vehicle and parking policies in Philadelphia.”
- 2017-2018 Cooperative Mobility for Competitive Megaregions (CM2), University Transportation Center (**Co-PI**), with Vincent Reina (**PI**), \$45,000. “Equitable access to transit within and across megaregions.”
- 2017 Cooperative Mobility for Competitive Megaregions (CM2), University Transportation Center (**PI**) with Mike Smart (**Co-PI**) and Nick Klein (**Co-PI**), \$45,000. “The Philadelphia Story: urban renaissance and shifting travel behavior in a Northeast region.”
- 2016-2017 University Research Foundation, University of Pennsylvania (**PI**), \$28,000. “The built environment, traffic enforcement, and pedestrian safety in the Philadelphia region”.
- 2014-2016 Technologies for Safe and Efficient Transportation, University Transportation Center (**PI**), \$50,000. “The built environment and pedestrian safety in the Philadelphia region.”

- 2014-2015 Technologies for Safe and Efficient Transportation, University Transportation Center **(PI)**, \$30,000. “Air quality, electric vehicles, and the motorcycle city.”
- 2014-2015 Kleinman Center for Energy Policy **(PI)**, \$5,000. “Air quality, electric vehicles, and the motorcycle city.”
- 2013-2015 University Research Foundation, University of Pennsylvania **(PI)**, \$35,000. “The influence of off-street residential parking on car ownership and use in suburban Mexico City.”
- 2013-2015 Technologies for Safe and Efficient Transportation, University Transportation Center **(PI)**, \$40,000. “Planning for self-driving cars.”
- 2010-2014 Transit Cooperative Research Program **(supporting)** with Dan Chatman **(PI)** and Robert Cervero **(Co-PI)**, \$500,000. “TCRP H42: An exploration of fixed-guideway transit criteria revisited.”

Selected professional grants and research contracts

- 2019-2021 Lincoln Institute of Land Policy **(Co-PI)** with Paavo Monkkonen **(PI)** and Jorge Montejano **(Co-PI)**, \$47,000. “Sustainable Urban Form: How Land Regulations Shape Urban Spatial Structure, Transportation Infrastructure, and Greenhouse Gas Emissions.”
- 2016-2017 World Bank **(PI)**, \$25,000. “The geography of housing and transit costs in Buenos Aires: Developing an indicator of metropolitan housing and transit costs.”
- 2016-2017 The Brookings Institute **(Co-PI)** with Gilles Duranton **(PI)**, \$8,000. “Moving to Access: Urban development, transportation, and accessibility.”
- 2015-2017 Lincoln Institute of Land Policy **(Co-PI)** with Jorge Montejano **(PI)** and Paavo Monkkonen **(Co-PI)**, \$27,000. “Los costos de la productividad urbana: crecimiento económico y expansión urbana en México.”
- 2016 Open Streets Philadelphia **(PI)** with PennPraxis, \$7,500. “Evaluation of 2016 Philadelphia Free Streets event.”
- 2014-2015 Organisation for Economic Co-operation and Development **(PI)**, \$8,000. “Housing plus transportation affordability indices: uses, opportunities, and challenges.”

SERVICE

Department, school, and university

- 2019-2022 Associate Chair, Department of City and Regional Planning
- 2013-2022 Faculty Co-Advisor: Sustainable Transportation and Infrastructure Concentration, Department of City and Regional Planning
- 2013-2022 Faculty Advisor: UrbTrans Student Transportation Group

2017-2021 Facilities Committee, University of Pennsylvania

2014-2021 Curriculum Committee, University of Pennsylvania, School of Design, Chair (2021)

2018-2020 Penn in Latin America and the Caribbean Initiative Steering Committee

2017-2018 Faculty Search Committee: School of Design and School of Engineering UPS Transportation

2017-2018 Symposium co-organizer and panel moderator: Mobility 21 Consortium Meeting.

2015-2016 Associate Chair, Department of City and Regional Planning

2015-2016 Faculty Advisor, Penn Global Task Force, School of Design

2014-2016 Faculty Advisor: Smart Cities Concentration, Department of City and Regional Planning

2014-2015 Faculty Search Committee: Community and Economic Development, Department of City and Regional Planning.

Field

2020-2022 Paper Review Coordinator and Standing Member, Transportation Research Board, Committee on Economic Development and Land Use (AMS50)

2017-2020 Research Subcommittee Chair and Paper Review Coordinator, Transportation Research Board, Committee on Transportation and Land Development (ADD30)

2016-2020 Pennsylvania Department of Transportation Task Force on Autonomous Vehicle Testing Policy.

2018-2022 Barclay Gibbs Jones Award Committee Chair (member, 2018-2020) for the Best Dissertation in Planning.

2017-2018 City of Philadelphia Policy Advisory and Data and Prioritization Committee for Strategic Transportation Plan

2017-2018 Federal Highway and Volpe Center Advisory Committee on Shared Mobility and MPO planning.

2016-2021 Conference track organizer: World Symposium on Transport and Land Use Research

2016 CSP/IACP Karen Polenske Best Student Paper Award Committee

2016 Kleinman Center for Energy Policy Speaker Series, Philadelphia, PA. Discussant on “The role of urban planning in urban transportation.”

2016 Transportation Research Board: Breakout session moderator on bicycle and pedestrian policy and planning for autonomous vehicles.

2016 NECTAR Conference. Latin American transport moderator.

2016	PennIUR. Discussant on Open Streets, Philadelphia.
2016-2019	Greater Philadelphia Futures Group member, Delaware Valley Regional Planning Commission.
2015	ACSP Conference: Moderator, mobile workshop organizer, discussant
2015	Social Science & Policy Forum Immigration and Metropolitan Revitalization Conference, Philadelphia, PA, Discussant
2014-2015	American Institute of Architects Philadelphia Chapter, Ed Bacon Student Urban Design Competition, Juror.
2014-2015	Economic Impacts of PATCO on Delaware Valley Economy. Advisor to Delaware Valley Regional Planning Commission.
2013	Round-Table Discussion with Ed Glaeser, Berkeley, CA: Moderator
2011-2013	Pedestrian Advisory Committee. Caltrans District 4, Oakland, CA
2010-2012	California Redevelopment Agency, Oakland. Public Advisory Committee
2010-2011	University of California Transportation Center Annual Conference, Berkeley, CA: Conference co-organizer

Editorial and grant peer review

Journal of the American Planning Association Editorial Advisory Board (2022)

Transportation Research Part D Editorial Advisory Board (2020-2022)

Transportation Research Part D Guest editor, special issue on air pollution in Latin America (2021-2022)

Berkeley Planning Journal, Editorial Board (2010-2012)

Journal reviews: *International Journal of Housing Policy*, *International Journal of Sustainable Transportation*, *Journal of the American Planning Association*, *Journal of Planning Education and Research*, *Journal of Regional Science*, *Journal of Transport and Land Use*, *Transport Geography*, *Transportmetrica*, *Transport Policy*, *Transportation Research Part A*, *Transportation Research Part D*, *Transportation Research Record*, *Transport Reviews*, *Urban Geography*

Grant and policy reviews: National Science Foundation, Pew Charitable Trusts, National Center for Sustainable Transportation University Transportation Center, Cooperative Mobility for Competitive Megaregions University Transportation Center, Israel Science Foundation, University of California Center on Economic Competitiveness in Transportation University of Transportation Center, American Planning Association's Planning Advisory Service

FELLOWSHIPS AND AWARDS

2021	2021 G. Holmes Perkins Distinguished Graduate Teaching Award for Standing Faculty at the Stuart Weitzman School of Design
2021	Best Article 2020 Shortlist, <i>Urban Studies</i>
2020	ITS America Emerging Leaders Program Global Challenge Winner, Student team advisor
2019	Urban Design Group 2019 Book Award: Beyond Mobility, Planning cities for people and places
2017	Best paper award (out of 125 submitted), World Symposium on Transport and Land Use Research
2013	Barclay Gibbs Jones Award for the Best Dissertation in Planning, Association of Collegiate Schools of Planning
2013	Doctoral Student Academic Achievement Award, UC Berkeley
2013	University of California Transportation Center Dissertation Grant
2012-2013	Dean's Normative Time Fellowship, UC Berkeley
2012	Gill-Chin Lim Travel Award, Association of Collegiate Schools of Planning
2010-2012	Eisenhower Fellowship, US Department of Transportation
2009-2010	University of California Student Transportation Fellowship
2006	Rappaport Fellow, Harvard University