

John Douglas Houston

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Education

Postdoctoral Fellow, School of Public Health, University of California, Los Angeles, 2008-2009.
PhD, Urban Planning, University of California, Los Angeles, 2008.
MA, Urban Planning, University of California, Los Angeles, 1999.
BA, Plan II Honors Program, University of Texas, Austin, 1993.

Professional Positions

Associate Professor, Urban Planning and Public Policy, University of California, Irvine, 2015-Present.
Assistant Professor, Planning, Policy and Design, University of California, Irvine, 2009-2015.
Lecturer, Department of Urban Planning, University of California, Los Angeles, 2007.
Project Manager, Lewis Center for Regional Policy Studies, University of California, Los Angeles, 1999-2004.
Lecturer, Department of Urban Planning, University of California, Los Angeles, 1999-2002.

Campus Leadership (Selected)

Director, Master of Urban and Regional Planning, UC Irvine, 2015-2017, Fall 2018, Winter/Spring 2021.
PAB Accreditation Review Lead, Master of Urban and Regional Planning, UC Irvine, 2019-Present.
Member, Transportation Equity Committee, UC Institute of Transportation Studies, 2020-Present.
Social Ecology Representative, Academic Senate Subcommittee on Courses, UC Irvine, 2018-Present.
Director, UCI Engage, UC Irvine, 2018-2019.
Chair, Field Study Advisory Board, School of Social Ecology, UC Irvine, 2016-2017.
Member, Institute for Transportation Studies Executive Committee, UC Irvine, 2012-Present.

Publications

* Indicates co-author was a graduate student or postdoc during the study conceptualization, data collection, analysis, or manuscript preparation.

Journal Articles, Peer-Reviewed

Houston D. and M. E. Zuñiga*. (2021). Perceptions of Neighborhood Change in a Latinx Transit Corridor. *Journal of Transport Geography*. Published online June 6, 2021, <https://doi.org/10.1016/j.jtrangeo.2021.103097>.

Maharramli, B.* and **D. Houston**. (2021). Navigating inclusion and legitimacy in campus-community environmental partnerships to advance urban social-ecological resilience. *Environmental Education Research*, 27(7): 955-969, <https://doi.org/10.1080/13504622.2021.1897528>.

Sharmeen, N.* and **D. Houston**. (2020). Urban Form, Socio-Demographics, Attitude and Activity Spaces: Using Household-Based Travel Diary Approach to Understand Travel and Activity Space Behaviors. *Urban Science*. 4(4), 69, <https://doi.org/10.3390/urbansci4040069>.

Goodrich, K. A. *, V. Basolo, D. L. Feldman, R. A. Matthew, J. E. Schubert*, A. Luke*, A. Eguiarte, D. Boudreau, K. Serrano, A. Reyes, S. Contreras, **D. Houston**, W. Cheung*, A. AghaKouchak and B. F. Sanders. Addressing Pluvial Flash Flooding through Community-Based Collaborative Research in Tijuana, Mexico. (2020). *Water*, 12(5), 1257, <https://doi.org/10.3390/w12051257>.

Sanders, B. F., J. E. Schubert*, K. Goodrich*, **D. Houston**, D. L. Feldman, V. Basolo, A. Luke*, D. Boudreau, B. Karlin*, W. Cheung*, S. Contreras*, A. Reyes, A. Eguiarte, K. Serrano, M. Allaire, H. Moftakhari, A. AghaKouchak, and R. Matthew. (2020). Collaborative modeling with fine-resolution data enhances flood awareness, minimizes differences in flood perception, and produces actionable flood maps. *Earth's Future*, 7,

<https://doi.org/10.1029/2019EF001391>.

Sharmeen, N.* and **D. Houston** (2019). Spatial Characteristics and Activity Space Pattern Analysis of Dhaka City, Bangladesh. *Urban Science*, 3(1), 36, <https://doi.org/10.3390/urbansci3010036>.

Hsu, H.-P.*, M. G. Boarnet, and **D. Houston**. (2019) Gender and Rail Transit Use: Influence of Environmental Beliefs and Safety Concerns. *Transportation Research Record* 2673(4): 327-338, <https://doi.org/10.1177/0361198119837193>.

Houston, D. and M. Zuñiga*. (2019). Put a park on it: How freeway caps are reconnecting and greening divided cities. *Cities: The International Journal of Urban Policy and Planning*, 85, 98-109. <https://doi.org/10.1016/j.cities.2018.08.007>.

Li, W.*, **D. Houston**, M. G. Boarnet, and H. Park*. (2018). Intrapersonal Day-to-Day Travel Variability, Transit Accessibility and Duration of Household Travel Surveys. *Journal of Transport and Land Use*, 11(1), 1125-1145, <http://dx.doi.org/10.5198/jtlu.2018.984>.

Lo, W.-T.* and **D. Houston**. (2018). Do Compact, Accessible, and Walkable Communities Promote Gender Equality in Spatial Behavior? *Journal of Transport Geography*, 68, 42-54, <https://doi.org/10.1016/j.jtrangeo.2018.02.009>.

Houston, D. (2018). Environmental Justice: Progress derailed. Invited Editorial. *American Journal of Public Health*, 108(4), 441-443, <https://doi.org/10.2105/AJPH.2018.304330>

Houston, D., W. Cheung*, V. Basolo, D. Feldman, R. Matthew, B. F. Sanders, B. Karlin*, J. E. Schubert*, K. A. Goodrich*, S. Contreras*, and A. Luke*. (2019). The Influence of Hazard Maps and Trust of Flood Controls on the Perception of Coastal Flood Risk. *Environment and Behavior*, 51(4), 347-375, <https://doi.org/10.1177/0013916517748711>.

Lee, J.*, M. G. Boarnet, **D. Houston**, H. Nixon, and S. Spears. (2017). Changes in Service and Travel Behavior Near a New Light Rail Transit Line. *Sustainability*, 9(10), 1827, <https://doi.org/10.3390/su9101827>.

Houston, D., A. Dang*, J. Wu, Z. Chowdhury, and R. D. Edwards. (2016). The cost of convenience; Air pollution and noise on freeway and arterial light rail station platforms in Los Angeles. *Transportation Research Part D*, 49, 127-137, <http://dx.doi.org/10.1016/j.trd.2016.09.011>.

Jerrett, M., J. G. Su*, K. E. Macleod, C. Hanning, **D. Houston**, and J. Wolch. (2016). Safe Routes to Play? Pedestrian and Bicyclist Crashes Near Parks in Los Angeles. *Environmental Research*, 151, 742-755, <http://dx.doi.org/10.1016/j.envres.2016.07.029>.

Hong, A.*, M. G. Boarnet, and **D. Houston**. (2016). New light rail transit and active travel: A longitudinal study. *Transportation Research Part A: Policy and Practice*, 92, 131-144, <http://dx.doi.org/10.1016/j.tra.2016.07.005>.

Cheung, W.*, **D. Houston**, J. E. Schubert*, M. V. Basolo, D. L. Feldman, R. A. Matthew, B. F. Sanders, B. Karlin*, K. A. Goodrich*, S. L. Contreras*, and A. Luke*. (2016). Integrating resident digital sketch maps with expert knowledge to assess spatial knowledge of flood risk: A case study of participatory mapping in Newport Beach, California. *Applied Geography*, 74, 56–64. <http://dx.doi.org/10.1016/j.apgeog.2016.07.006>.

Spears, S.*, M. G. Boarnet, and **D. Houston**. (2017). Driving reduction after the introduction of light rail transit: Evidence from an experimental-control group evaluation of the Los Angeles Expo Line. *Urban Studies*, 54(1), 2780-2799, <https://doi.org/10.1177/0042098016657261>.

Boarnet, M. G., Z. Wang*, and **D. Houston**. (2017). Can New Light Rail Reduce Personal Vehicle Carbon Emissions? A Before-After, Experimental-Control Evaluation in Los Angeles. *Journal of Regional Science*, 57(3), 523-539. <https://doi.org/10.1111/jors.12275>.

Hu, M.*, W. Li*, L. Li*, **D. Houston, D.**, and J. Wu. (2016). Refining time-activity classification of human subjects using the global positioning system. *PLoS ONE*, 11(2), 1–18, <https://doi.org/10.1371/journal.pone.0148875>

Feldman, D. L., S. Contreras*, B. Karlin*, M. V. Basolo, R. A. Matthew, B. F. Sanders, **D. Houston**, W. Cheung*, K. Goodrich*, A. Reyes, K. Serrano, J. Schubert*, and A. Luke. (2015). Communicating flood risk: Looking back and forward at traditional and social media outlets. *International Journal of Disaster Risk Reduction*, 15, 43–51. <http://dx.doi.org/10.1016/j.ijdrr.2015.12.004>.

- Houston, D.**, T. B. T. Luong*, and M. G. Boarnet. (2014). Tracking daily travel: Assessing discrepancies between GPS-derived and self-reported travel patterns. *Transportation Research Part C: Emerging Technologies*, 48, 97-108.
- Houston, D.** (2014). Implications of the modifiable areal unit problem for assessing built environment correlates of moderate and vigorous physical activity. *Applied Geography*, 50, 40-47.
- Houston, D.**, M. G. Boarnet, G. Ferguson*, and S. Spears*. (2014). Can Compact Rail Transit Corridors Transform the Automobile City? Planning for More Sustainable Travel in Los Angeles. *Urban Studies*, 52(5), 938-959.
- Houston, D.**, W. Li*, and J. Wu. (2014). Disparities in Exposure to Automobile and Truck Traffic and Vehicle Emissions Near the Los Angeles–Long Beach Port Complex. *American Journal of Public Health*, 104(1), 156-164.
- Spears, S.*, **D. Houston, D.**, and M. G. Boarnet. (2013). Illuminating the unseen in transit use: A framework for examining the effect of attitudes and perceptions on travel behavior. *Transportation Research Part A: Policy and Practice*, 58, 40–53.
- Houston, D.**, J. Wu, D. Yang*, and Jaimes, G*. (2013). Particle-bound polycyclic aromatic hydrocarbon concentrations in transportation microenvironments. *Atmospheric Environment*, 71, 148-157.
- Pan, H., C. Batolome, E. Gutierrez, M. Princevac, R. D. Edwards, M. G. Boarnet, and **D. Houston**. (2013). Investigation of roadside particulate matter concentration surrounding major arterials in five Southern Californian cities. *Journal of the Air & Waste Management Association*, 63(4), 482-498.
- Houston, D.**, M. V. Basolo, D. Yang, D.*, and G. Jaimes*. (2013). Walkability, Transit Access, and Traffic Exposure for Low-Income Residents; Built Environment Implications of Affordable Housing Programs. *American Journal of Public Health*, 103(4), 673-678.
- Houston, D.** and P. Ong. (2013). Arts accessibility to major museums and cultural/ethnic institutions; can school tours overcome neighborhood disparities? *Environment and Planning A*, 45, 728-748.
- Wu, J., C. Jiang, **D. Houston**, D. B. Baker, and R. Delfino. (2011). Automated time activity classification based on global positioning systems (GPS) tracking data. *Environmental Health*, 10: 101.
- Houston, D.**, G. Jaimes, P. Ong, and A. Winer. (2011). Traffic exposure near the Los Angeles–Long Beach port complex: using GPS-enhanced tracking to assess the implications of unreported travel and locations. *Journal of Transport Geography*, 19, 1399-1409.
- Boarnet, M. G., **D. Houston**, R. D. Edwards, M. Princevac, G. Ferguson, H. Pan, and C. Bartolome. (2011). Fine Particulate Concentrations on Sidewalks in Five Southern California Cities. *Atmospheric Environment*, 45, 4025-4033.
- Wu, J., C. Jiang, Z. Liu, **D. Houston, D.**, G. Jaimes, and R. McConnell. (2010). Performance of Different Global Positioning System Devices for Time-Location Tracking in Air Pollution Epidemiological Studies. *Environmental Health Insight*, 4, 93-108.
- Wu, J., **D. Houston**, F. Lurmann, P. Ong, and A. Winer. (2009). Exposure of PM_{2.5} and EC from diesel and gasoline vehicles in communities near the Ports of Los Angeles and Long Beach, California. *Atmospheric Environment*, 43, 1962–1971.
- Houston, D.**, M. Krudysz, and A. Winer. (2008). Diesel Truck Traffic in Port-Adjacent Low-Income and Minority Communities; Environmental Justice Implications of Near-Roadway Land Use Conflicts. *Transportation Research Record: Journal of the Transportation Research Board*, 2076, 38-46.
- Houston, D.**, P. Ong, J. Wu, and A. Winer. (2006). Proximity of Licensed Child Care Facilities to Near-Roadway Vehicle Pollution. *American Journal of Public Health*, 96(9), 1611-1617.
- Ong, P., M. Graham, and **D. Houston**. (2006). The Policy and Programmatic Importance of Spatial Alignment of Multiple GIS Data Sources. *American Journal of Public Health*, 96(3), 499-504.
- Houston, D.**, J. Wu, P. Ong, and A. Winer. (2004). Structural Disparities of Urban Traffic in Southern California: Implications for Vehicle-Related Air Pollution Exposure in Minority and High-Poverty Neighborhoods. *Journal of Urban Affairs*, 25(5), 565-592.

Miller, D. and **D. Houston**. (2003). Distressed Asian American Neighborhoods. *AAPI Nexus; Asian Americans & Pacific Islanders Policy, Practice and Community*, 1(1), 67-84.

Ong, P. and **D. Houston**. (2002). Transit, Employment, and Women on Welfare. *Urban Geography*, 23(4), 344-364.

Lejano, R. P., B. Piazza, and **D. Houston**. (2002). Rationality as social justice and the spatial distributional analysis of risk. *Environment and Planning C: Government and Policy*, 20, 871-888.

Book Chapters, Peer-Reviewed

Zuñiga*, M. E. and **D. Houston**. Neighborhood Change in Near-Transit Latinx Communities; Challenges and Opportunities for Sustainable Development. (2021). In Gonzalez, E, M. Zuñiga, A. C. Hernandez, and R. Torres (Eds.) Gentrification and Alternative Futures. Routledge Press (under contract). Accepted March 2021.

Boarnet, M. G., **D. Houston**, G. Ferguson, and S. Spears. (2011). Land Use and Vehicle Miles of Travel in the Climate Change Debate: Getting Smarter than Your Average Bear. Urban Form, Transportation and Emissions (Ch. Chapter 7, pp. 151-187). Cambridge, MA: Lincoln Institute of Land Policy.

Houston, D. and P. Ong. (2006). Impacts of the New Social Regime. In Ong, P., Loukaitou-Sideris, A. (Eds.) Jobs and Economic Development in Minority Communities; Realities, Challenges, and Innovation (Ch. Chapter 2, pp. 40-62). Philadelphia, PA: Temple University Press.

Research Note, Peer-Reviewed

Houston, D. and P. Ong. (2012). Determinants of Voter Participation in Neighborhood Council Elections. *Nonprofit and Voluntary Sector Quarterly*, 41(4), 686-703.

Research Reports (Selected)

Zheng, H., N. J. Marantz., J. H. Kim, and **D. Houston**. (2021). Accessibility, Affordability, and the Allocation of Housing Targets to California's Local Governments. University of California Institute for Transportation Studies. Report No. UC-ITS-2020-50. DOI: 10.7922/G20P0XBV.

Zheng, H., N. J. Marantz., J. H. Kim, and **D. Houston**. (2021). Policy Brief: California Can Simplify the Housing Element Law to Reduce Administrative Burdens and Improve Social Equity. DOI: 10.7922/G24F1P2K.

Parks, V., **D. Houston**, P. Ong, and Y. B. Kim. (2020). Economic Impacts of the COVID-19 Crisis in Orange County, California: Neighborhood Gaps in Unemployment-Insurance Coverage.

Houston, D. and A. Lo. (2018). Do Compact, Accessible, and Walkable Communities Promote Gender Equality? University of California Institute for Transportation Studies. Report No. UC-ITS-2017-22. DOI: 10.7922/G2VM49H7.

Houston, D. and A. Lo. (2018). Policy Brief: Compact, Accessible, and Walkable Communities Help Support Gender Equality. University of California Institute for Transportation Studies. DOI: 10.7922/G2QV3JR2.

Kim, J. H., **D. Houston**, J. Cho, A. Lo, and N. Sharmeen. (2017). Transit Investment Impacts on Land Use Beyond the Half-Mile Mark. University of California Institute for Transportation Studies. Report No. UC-ITS-2017-05. DOI: 10.7922/G20CV4FXB.

Ritchie, S., **D. Houston**, and M. E. Zuñiga. (2017). Policy and Literature Review on Effect Millennials Have on Vehicle Miles Traveled, Greenhouse Gas Emissions, and the Built Environment. Report No. UC-ITS-2017-25. DOI: 10.7922/G20000BS.

Kim, J. H., **D. Houston**, J. Cho, A. Lo, X. Shi, A. Hoff, N. Branich, H. C. Ly, A. L. Walker, and Y. Zhang. (2016). Infill Dynamics in Rail Transit Corridors: Challenges and Prospects for Integrating Transportation and Land Use Planning. University of California Transportation Center (UCTC). Berkeley, CA.

Houston, D., M. Boarnet, and S. Spears. (2015). Evaluating the Benefits of Light Rail Transit. California Air Resources Board. Sacramento, CA.

Loukaitou-Sideris, A., **D. Houston**, and A. Bromberg. (2007). The Gold Line Corridor Study Final Report. The

Southern California Association of Governments. Los Angeles, CA.

Ong, P., and **D. Houston**. (2005). CalWORKs Sanctions Patterns in Four California Counties; An Analysis of Administrative Data. California Policy Research Center, University of California. Berkeley, CA.

McConville, S. and **D. Houston**. (2002). Career Trajectories of Female Welfare Recipients in California: Effects of Personal Characteristics and Firm Characteristics on Employment Stability, Earnings Growth and Welfare Usage. University of California Institute of Labor and Employment.

Houston, D. and P. Ong. (2002). Housing Discrimination in California's Rural & Agricultural Counties. California Department of Fair Housing and Employment.

Ong, P. and **D. Houston**. (2002). Patterns of Households in the Very Low & Low Income Brackets in Rural California Counties. California Department of Housing and Community Development.

Funded Research

Houston, D. (Co-PI), J. H. Kim (Co-PI), N. Marantz (Co-PI), J. Barajas (Co-PI). Assessing the potential for densification and VMT reduction in areas without rail transit access. California Resilient and Innovative Mobility Initiative (RIMI). \$60,000. (2022 - 2023).

Houston, D. (Co-PI), B. F. Sanders (PI). Dynamics and Perceptions of Ultrahazardous Flooding across the Wildland Urban Interface. NSF - National Science Foundation. \$670,000. (2021 - 2024).

Houston, D. (Co-PI), N. Marantz (PI), J. H. Kim (Co-PI). Evaluating the Potential for Housing Development in Transportation-Efficient and Healthy, High-Opportunity Areas in California. California Air Resources Board. \$599,974. (2021 - 2024).

Houston, D. (PI). Social Impacts of Transit Oriented Development on Disadvantaged Communities. UCI Institute of Transportation Studies (SB1, Mobility Research Program). \$70,381. (2019 - 2021).

Houston, D. (Co-PI), N. Marantz (PI), J. H. Kim (Co-PI). Causes of Housing Construction Delay in Transit-Accessible and Jobs-Rich Areas in California. UCI Institute of Transportation Studies (SB1, Mobility Research Program). \$79,991. (2020 - 2021).

Houston, D. (Co-PI), N. Marantz (PI), J. H. Kim (Co-PI). Accessibility, Affordability, and the Allocation of Housing Targets to California's Local Governments. UCI Institute of Transportation Studies (SB1, Mobility Research Program). \$83,804. (2019 - 2020). (See Research Report RR07 and Policy Brief RR07-PB)

Houston, D. (PI). Do Compact, Accessible, and Walkable Communities Promote Gender Equality? UCI Institute for Transportation Studies. UCI Institute for Transportation Studies. \$49,149. (2018 - 2019). (See Research Report RR05 and Policy Brief RR05-PB)

Houston, D. (Co-PI), S. Ritchie (PI). Literature Review on Effect Millennials Have on Vehicle Miles Traveled, Greenhouse Gas Emissions, and the Built Environment. UCI Institute for Transportation Studies. \$28,575. (2016 - 2017). (See Research Report RR03)

Houston, D. (Co-PI), J. H. Kim (PI). Beyond the Half-mile Walking Distance Buffer: The Impact of Transit Investment on Broader Vicinity Areas. UCI Institute for Transportation Studies. \$49,149. (2016 - 2017). (See Research Report RR04)

Houston, D. (Co-PI), B. F. Sanders (PI), M. V. Basolo (Co-PI), D. L. Feldman (Co-PI), R. A. Matthew (Co-PI). Hazards SEES Type 2: Preventing Flood Hazards from Becoming Disasters through Two-way Communication of Parcel-level Flood Risk. NSF - National Science Foundation. \$2,819,380. (2013 - 2017).

Houston, D. (Co-PI), J. H. Kim (PI). Infill Dynamics in Rail Transit Corridors; Challenges and Prospects for Integrating Transportation and Land Use Planning. University of California Transportation Center, \$119,019. (2014 - 2016). (See Research Report RR02)

Houston, D. (PI). Before/After Program Evaluation of Travel Behavior Changes Associated with Urban Form Changes (The Expo Study). Multicampus Research Programs and Initiatives (MRPI) on Sustainable Transportation. \$186,100. (2012 - 2015). (\$60,000 during the review period, 2014 - 2015).

Houston, D. (PI). Before/After Evaluation of Travel Impacts and Co-Benefits of Light Rail Transit (The Expo Study). California Air Resources Board. \$200,000. (2013 - 2015). (See Research Report RR01)

- Houston, D.** (PI). Changes in Transit Use near a New Light Rail Transit Line (The Expo Line Study). Mineta Transportation Institute (San Jose State University). \$16,831. (2013 - 2013).
- Houston, D.** (PI). The Expo Line Study. University of California Transportation Center. \$27,330. (2012 - 2013).
- Houston, D.** (PI). Noise/Air Pollution Exposures for Transit Riders. Multicampus Research Programs and Initiatives (MRPI) on Sustainable Transportation. \$5,320.00. (2012 - 2013).
- Houston, D.** (PI). Affordable Housing in Transportation Corridors – Built Environment, Accessibility, and Air Pollution Implications of Near-Roadway Residential Locations. University of California Transportation Center. \$36,500. (2011 - 2012).
- Houston, D.** (PI). Affordable Housing in Transportation Corridors – Built Environment, Accessibility, and Air Pollution Implications of Near-Roadway Residential Locations. University of California Transportation Center. (2010 - 2012).
- Houston, D.** (PI). Regional Health Impacts from Goods Movement-Raising Awareness in Four Counties. The California Endowment. \$30,000. (2009 - 2011).
- Houston, D.** (Co-PI), Boarnet, Marlon G (PI). Innovative Data Collection Methods for Transportation and Land Use Program Evaluation. Multicampus Research Programs and Initiatives (MRPI) on Sustainable Transportation, \$23,890. (2009 - 2010).
- Houston, D.** (PI), Variability of Travel Behavior of Harbor Community Residents. University of California Transportation Center. \$15,000. (2009 - 2010).

Presentations and Invited Talks

- 11/2020 “Perceptions of Neighborhood Change in a Latinx Transit Corridor?” Houston, D. (Presenter). Conference of the Association of Collegiate Schools of Planning, Virtual format. With Zuñiga, M.
- 11/2020 “Illuminating Santa Ana’s Sunshine Ordinance: A City’s Development Process and Its Impact on Neighborhood Change?” Zuñiga, M. (Presenter). Conference of the Association of Collegiate Schools of Planning, Virtual format. With Houston, D.
- 2/2019 Invited Talk. “Environmental Justice Challenges of Sustainable Development in High-Traffic Corridors.” Houston, D. (Presenter). The “Urban Green Space, Transit and Health Outcomes” symposium at the Anderson School of Management, University of California, Los Angeles.
- 11/2018 “The Drone Proliferation: An Emerging Challenge for Urban Aerial Space in the U.S.” Li, X. (Presenter). Conference of the Association of Collegiate Schools of Planning, Buffalo, NY. With Houston, D.
- 10/2017 “Do More Accessible & Walkable Built Environments Promote Gender Equality in Household Activity Space Behaviors?” Houston, D. (Presenter). Conference of the Association of Collegiate Schools of Planning, Denver, Colorado. With Lo, A.
- 10/2017 “The Embodiment of Social & Spatial Inequality: How Environmental Disparities & Illegality Impact the Health of Latino Communities”, Houston, D. Conference of the Association of Collegiate Schools of Planning, Denver, Colorado. With Zuñiga, M. (Presenter).
- 5/2017 Invited Talk. “Can compact rail transit corridors transform the automobile city? Challenges and opportunities for more sustainable travel in Los Angeles.” Houston, D. (Presenter). University of California Center Sacramento.
- 11/2016 “Can Cap Parks Overcome the Environmental Injustices of Urban Freeways?” Houston, D. Conference of the Association of Collegiate Schools of Planning, Portland, Oregon. With Zuñiga, M. (Presenter).
- 11/2016 “The Location, Activity, and Environmental Exposure Framework”, Houston, D. Conference of the Association of Collegiate Schools of Planning, Portland, Oregon. With Yang, D. (Presenter).
- 10/2015 “Improving the Reliability of Travel Survey Data for Sustainable Transportation: Day-to-Day Travel Variability and the 'Optimal' Survey Duration”, Houston, D. Conference of the Association of Collegiate Schools of Planning, Houston, Texas. With Li, W. (Presenter), Boarnet, M., Park, H.

- 10/2014 "Can New Light Rail Transit Promote Neighborhood Physical Activity?", Houston, D. Conference of the Association of Collegiate Schools of Planning, Philadelphia, Pennsylvania. With Hong, A. (Presenter), Boarnet, M.
- 10/2014 "Do Travel Effects of New Light Rail Service Persist? An Examination of Longer-term Impacts of Los Angeles' Expo Line on Travel Behavior", Houston, D. Conference of the Association of Collegiate Schools of Planning, Philadelphia, Pennsylvania. With Spears, S. (Presenter), Boarnet, M.
- 10/2014 "Does Rail Transit Reduce Personal Vehicle Carbon Emission? A Before-After, Experimental-Control Evaluation of Los Angeles' Expo Light Rail Line", Houston, D. Conference of the Association of Collegiate Schools of Planning, Philadelphia, Pennsylvania. With Boarnet, M., Wang, X. (Presenter).
- 10/2014 "Health-Related Built Environment Quality for the Federally Subsidized Housing for Low- and Moderate-Income Households in Southern California", Houston, D. Conference of the Association of Collegiate Schools of Planning, Philadelphia, Pennsylvania. With Wang, D. (Presenter), Ong, P.
- 4/2014 "Flood Resilient Infrastructure and Sustainable Environment (RISE) Project (Poster)", Houston, D. Planning for Disaster Resilience Symposium, Texas A&M University, College Station, Texas, Author, with Goodrich, K. (Presenter), Contreras, S. (Presenter), Matthew, R., Sanders, B. F., Matthew, R. A., Basolo, M. V.
- 3/2014 "Segment-level Analysis of the Environmental Context of MVPA During Active Travel (Poster)", Houston, D. Active Living Research Annual Conference, San Diego, CA. With Abdel-Salam, G. (Presenter), Boarnet, M. G.
- 2/2013 "Walking to Transit: Transit Proximity and Physical Activity in a Low-Income Community (Poster)", Houston, D. Active Living Research Annual Conference, San Diego, CA. With Boarnet, M. G., Abdel-Salam, G. (Presenter), Hong, A., Yang, D., Li, W., Spears, S.
- 11/2012 "Illuminating the Unseen in Neighborhood Travel: A Framework for Examining the Influence of Attitudes, Norms, and Perceptions on Travel Behavior", Houston, D. Conference of the Association of Collegiate Schools of Planning, Cincinnati, Ohio. With Spears, S. (Presenter), Boarnet, M. G.
- 11/2012 "Transit Ridership, Bus Ridership, and Physical Activity in a Low Income Community", Houston, D. (Presenter). Conference of the Association of Collegiate Schools of Planning, Cincinnati, Ohio. With Boarnet, M. G., Li, W., Spears, S., Yang, D.
- 11/3/2012 "Using Mobile Tracking Technologies to Characterize Air Pollution Exposure in Major Goods Movement Corridors", Houston, D. Conference of the Association of Collegiate Schools of Planning, Cincinnati, Ohio. With Jaimes, G., Wu, J., Yang, D. (Presenter).
- 10/2011 "Aligning Housing Policy with Smart Growth Goals", Houston, D. (Presenter). Conference of the Association of Collegiate Schools of Planning, Salt Lake City, Utah. With Basolo, V., Yang, D.
- 8/2010 "Estimating Commute Time and Distance for Human Subjects in Air Pollution Epidemiological Studies", Houston, D. Conference of the International Society of Exposure Assessment, Seoul, Korea. With Wu, J. (Presenter)
- 5/2010 "Land Use and Vehicle Miles of Travel in the Climate Change Debate: Getting Smarter than Your Average Bear", Houston, D. Land Policy Conference of the Lincoln Institute of Land Policy, Cambridge, Massachusetts. With Boarnet, M. G. (Presenter), Ferguson, G., Spears, S.
- 1/2009 "Freight and Livability", Houston, D. (Panelist). National Urban Freight Conference, Long Beach, CA.
- 1/2008 "Environmental Justice Implications of Diesel Truck Traffic in Port-Adjacent Communities", Houston, D. (Presenter). Transportation Research Board Conference, Washington, DC. With Krudysz, M., Winer, A.
- 10/2007 "Exposure of PM2.5 and EC from Diesel and Gasoline Vehicles in Communities near the Ports of Los Angeles and Long Beach", Houston, D. Conference of the International Society of Exposure Assessment, Durham, NC. With Wu, J. (Presenter), Ong, P., Winer, A.
- 6/2007 "Measurements of Diesel Truck Traffic Associated with Goods Movement", Houston, D. World Conference on Transportation Research. With Krudysz, M., Winer, A. (Presenter).

10/1999 "Neighborhood Impacts and Residential Mobility of Welfare Recipients in Los Angeles County: A Concentration into Poverty?", Houston, D. (Presenter) Conference of the Association of Collegiate Schools of Planning, Chicago, Illinois.

Courses Taught

Undergraduate: Environmental Justice, Urban and Regional Planning, Field Study, Advanced Field Study
Graduate: History of Urban Planning, GIS for Planners, Transportation and Environmental Health

Supervised Graduate Students

Received PhD degree

Chaired Committee: Xiangyu Li (2022, Co-Chair), Narae Lee (2021), Naila Sharmeen (2021), Michelle Zuñiga (2021), Wan-Tzu (Ashley) Lo (2017), Xiaoxia (Shia) Shi (2017), Harya (Koko) Dillon (2017), Dongwoo Yang (2015), Thi Bich Thuy (Vanessa) Luong (2015), Gaby Abdel-Salam (2014), Steven Spears (2013)

Committee Member: Bemmy Maharramli (2019), Jaewoo Cho (2018), Wing Cheung (2017), Bahareh Schatzadeh (2017), Suman Mitra (2016), Seth Contreras (2015), I-Cha Lee (2013), Hsin-Ping Hsu (2013), Alyssa Whitby Chamberlain (2012)

Received Master degree

Chaired Capstone: Ann Marie Hoang (2021), Ines Galmiche (2020), Doris Wang (2017), Eric Chau (2017), Jonathan Lightfoot (2017), Olivia Harris (2017), Tanjeeb Ahmed (2017), Sarah Geldmacher (2016), Joseph Cryer (2016), Tyler Reese Smith (2016), Niki Iranpour Tari (2016), Roger Rath (2015), Kai Zhang (2014), Ryan Sudaryanto Mak (2013), Hung To (2012), Teresa Santilena (2012), Anqi Zhao, Advisor (2011), Justin Piper (2011), Max Franco (2011), Polly Beattie (2010), Sean Habbi (2010)