
Erick Guerra

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EDUCATION

- 2013 Ph.D., City and Regional Planning, University of California, Berkeley
2007 Master of Urban Planning, Graduate School of Design, Harvard University
2001 BA in Fine Arts and French, University of Pennsylvania

APPOINTMENTS

- 2013-16 *Assistant Professor*, University of Pennsylvania, Philadelphia
2009-12 *Doctoral Researcher*, University of California Transportation Center, Berkeley
2007-09 *Teaching Associate*, Harvard Graduate School of Design, Cambridge
Research Associate, Institute for International Urban Development, Cambridge

PUBLICATIONS

Peer-Reviewed Articles

- Guerra, Erick Guerra (forthcoming). What is relationship between urban form and household transit expenditures? An empirical study from Mexico City. *Journal of Transport and Land Use*
- Dong, Xiaoxia, Matt DiScenna, and Erick Guerra (forthcoming). Transit User Perception of Driverless Buses. *Transportation*.
- Guerra, Erick (2016). Planning for Cars that Drive Themselves. *Journal of Planning Education and Research*, 36 (2), pp. 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), pp. 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*, Vol. 43 (1), pp. 171–80.
- Morris, Eric and Erick Guerra (2015). Are we there yet? Trip duration and mood during travel. *Transportation Research Part F: Traffic Psychology and Behaviour*, 33, pp. 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*, Vol. 34 (4), pp. 394–408.
- Guerra, Erick (2014). Mexico City's suburban land use and transit connection: The effects of the Line B Metro expansion. *Transport Policy*, Vol. 32, pp. 105–114.
- Morris, Eric, & Erick Guerra (2014). Mood and mode: does how we travel affect how we feel? *Transportation*, Vol. 42 (1) pp. 25–43.
- Guerra, Erick, Robert Cervero, & Daniel Tischler (2012). The Half-Mile Circle: Does It Best Represent Transit Station Catchments? *Transportation Research Record*, Vol. 2276, pp. 101-109.

- Guerra, Erick & Robert Cervero (2011). Cost of a Ride: The Effects of Densities on Fixed-Guideway Transit Ridership and Costs. *Journal of the American Planning Association*, Vol. 77 (3), pp. 267-290.
- Guerra, Erick (2011). Valuing Rail Transit: Comparing Capital and Operating Costs to Consumer Benefits. *Transportation Research Record*, Vol. 2219, pp.50-58.
- Cervero, Robert & 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), pp. 111-128.
- Guerra, Erick (2010). Too much riding on climate change? *Berkeley Planning Journal*, Vol. 23, pp. 9-17.

Books and Book Chapters

- Cervero, Robert, Erick Guerra, and Stefan Al (2017, forthcoming). Beyond Mobility: Planning Cities for People and Place. Washington, D.C.: Island Press.
- Guerra Erick and Camilo Caudillo (2017, forthcoming). *Movilidad y Desarrollo Sustentable*, in Principios de Sustentabilidad Urbana (Ed., Jorge Montejano). Ciudad de México: Consejo Nacional de Ciencia y Tecnología.

Articles under Review

- Guerra, Erick. Electric vehicles, air pollution, and the motorcycle city: A stated preference survey of consumers' willingness to adopt electric motorcycles in Solo, Indonesia.
- Guerra, Erick and Adam Millard-Ball. Getting around a license-plate ban: Behavioral responses to Mexico City's driving restriction
- Guerra, Erick and John Taylor. One bus, zero birds: Bus Rapid Transit gone awry in Solo, Indonesia.
- Kondo, Michelle, Christopher Morrison, Erick Guerra, Elinore J. Kaufman, and Douglas Wiebe. Where do bike lanes work best? A Bayesian spatial model of bicycle lanes and bicycle crashes.
- Landis, John, Erick Guerra, and David Hsu. Intersecting National Climate Change Policy with Local Development Trends, Travel Patterns, and Building Forms.

Other Academic Articles & Book Reviews

- Guerra, Erick (2016). Review: The Folklore of the Freeway: Race and Revolt in the Modernist City. *Planning Perspectives*, Vol. 31 (1), pp. 134–35.
- Guerra, Erick (2015). Suburban Transit in Mexico City. *ACCESS Magazine*, Vol. 46, pp. 20-25.
- Guerra, Erick (2015). When Autonomous Cars Take to the Road: Be ready; it may happen soon. *Planning Magazine*, May 2015 issue.
- Guerra, Erick & Robert Cervero (2013). Is a Half-Mile Circle the Right Standard for TODs? *ACCESS Magazine*, Vol. 42, pp. 15-19.
- Guerra, Erick & Robert Cervero (2012). Transit and the “D” Word. *ACCESS Magazine*, Vol. 40, pp. 2-8.

Reports and Working Papers

- Duranton, Gilles and Erick Guerra (2017) with Gilles Duranton. 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.
- 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, & Sun Young Kwon (2014). Making Effective Fixed-Guideway Transit Investments: Indicators of Success. Volume 1: Handbook, Volume 2: Research Report.
- Rifai, Ahmad, Erick Guerra, Michael Haggerty, & John Taylor (2011). Informal Transportation Networks in Three Indonesian Cities. Cities Development Initiative Asia.
- Cervero, Robert & 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.
- Gray, Paddy, Erick Guerra, & John Driscoll (2010). Living Together: An Investigation of Six Case Studies on the Island of Ireland and Strategies for Promoting Safe, Prosperous, Integrated Communities. Armagh: International Centre for Local and Regional Development.
- Serageldin, Mona, Erick Guerra, and Christa Lee-Chuvala (2009). Climate Change in the Local Development Agenda: Promoting Resilience through Enhanced Understanding of Early Threats. World Bank Fifth Urban Research Symposium.
- Adair, Alastair, Jim Berry, John Driscoll, Chris van Egeraat, Erick Guerra, Stanley McGreal, Christopher Ryan, & Francois Vigier (2009). The Newry-Dundalk Twin City Region: Supporting the Implementation of Cross-Border Collaborative Frameworks. Armagh: International Centre for Local and Regional Development.
- Serageldin, Mona, Francois Vigier, Christa Lee-Chuvala, & Erick Guerra (2008). North African Section of "State of African Cities Report 2008. Nairobi: UN-HABITAT.
- Serageldin, Mona, Erick Guerra, Richard Kruger, & Winnie Mituallah (2008). Migration, Remittances, and Investment in Sub-Saharan Africa. Stockholm: Swedish International Development Cooperation Agency.
- Bleviss, Deborah, Cesar Arias, Erick Guerra, Patricia Herrmann, & Christopher Zegras (2007). Sustainable Transportation Options for Reducing Greenhouse Gases in Quito, Ecuador. Washington, D.C.: Inter-American Development Bank.

TALKS

Peer Reviewed Presentations

- 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"
 Transportation Research Board, Washington, DC. "Getting around a license-plate

- ban: Behavioral responses to Mexico City's driving restriction."
 Transportation Research Board, Washington, DC. "Electric vehicles, air pollution, and the motorcycle city."
- 2016 ACSP Conference, Portland, OR. "Urban Form And Travel Outcomes In Mexico's 100 Largest Urban Agglomerations."
 Transportation Research Board, Washington, DC. "Urban Form and Household Transit Expenditures in Mexico City."
- 2015 ACSP Conference, Houston, TX. "Electric vehicles, air pollution, and the motorcycle city."
 NECTAR Conference, Ann Arbor, MI. "Urban Form and Household Transit Expenditures in Mexico City."
 Transportation Research Board, Washington, DC. "Has Mexico City's shift to commercially produced housing increased car ownership and car use?"
 Transportation Research Board, Washington, DC. "Planning for cars that drive themselves (Poster)."
- 2014 ACSP Conference, Philadelphia, PA. "Planning for cars that drive themselves."
 ACSP 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.
 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?"
 Transportation Research Board, Washington, DC. "Mexico City's Suburban Land Use and Transit Connection."
- 2013 ACSP Conference, Dublin, Ireland. "Mexico City's Suburban Land Use and Transit Connection."
 University of California Transportation Center Conference, Los Angeles, CA. "Suburbanization, Commercial Housing Development, and Growing Car Ownership in Mexico City."
- 2012 ACSP Conference, Cincinnati, OH. "Suburbanization, Commercial Housing Development, and Growing Car Ownership in Mexico City."
 Transportation Research Board, Washington, DC. "The Half-Mile Circle."
- 2011 ACSP, Salt Lake City, UT. "Cost of a Ride"
 University of California Transportation Center Conference, Berkeley, CA. "Valuing Transit."
- 2010 Transportation Research Board, Washington, DC. "Valuing Transit."
 African Studies Association, San Francisco, CA. "Migrant Associations and Collective Investments: Can public transportation provide an opportunity for combining financial and altruistic investments?"
 University of California Transportation Center Conference, Irvine, CA. "Modeling the Emissions Benefits of Transportation Projects in Quito, Ecuador."

Invited Lectures

- 2017 Philly Tech Week: The self-navigating region. DVRPC, Philadelphia, PA. "Cities, Automation, and the Self-Driving Elephant in the Room."
 Urban Land Institute: Driverless car working group. "Cities, Automation, and the

- Self-Parking Elephant in the Room.”
Carnegie Mellon University: Mobility 21 Faculty Seminar Series. Pittsburgh, PA. “Electric vehicles, air pollution, and the motorcycle city.”
- 2016 Volpe National Transportation Systems Center and the Netherlands Ministry of Infrastructure and the Environment Workshop on Shared Mobility, Washington, DC. “Shared Mobility, Urban Form, and Self-Driving the Elephant in the Room.”
Organization for Economic Co-operation and Development Round-Table, Paris, France. “Housing and Transportation Affordability.”
- 2015 Delaware Valley Regional Planning Commission: Information Resources Exchange Group, Philadelphia, PA. “Self-Driving Cars and the Future(s) of Urban Transportation”
Dwell on Design. New York, NY. Driverless cars, urban form, and public policy.
- 2014 Delaware Valley Regional Planning Commission: Breaking Ground, Philadelphia, PA. “Self-Driving Cars and the Future(s) of Urban Transportation.”
Penn Institute for Urban Research, Philadelphia, PA. “Automation and the Future of Cities.”
Transit & Cities Conference, Berkeley, CA. “Mexico City’s Suburban Transit.”
Delaware Valley Regional Planning Commission: Future Forces, Philadelphia, PA. “Planning for cars that drive themselves.”
The Volpe National Transportation Systems Center Perspectives Series, Cambridge, MA. “The Geography of Car Ownership in Mexico City.”
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

- 2016 Studio: developing a bicycle plan for Queretaro, Mexico
- 2013-16 Introduction to Transportation Planning (CPLN 550)
Case Studies in International Multimodal Transportation (CPLN 655)
Quantitative Methods of Planning (CPLN 501)
- 2007-09 Methods of City Planning (responsible for grading and labs)
Analytic Methods of City Planning (responsible for grading and labs)
- 2006 Microeconomics (teaching assistant)
- 2002-04 High School English (Peace Corps, Gabon)

PhD Students

- Current Xiaoxia Dong, PhD student current, chair
Camilo Caudillo, PhD student current (CentroGeo, Mexico), co-chair
Daniel Suh, PhD candidate current, committee
- Former Amber Woodburn, PhD 2016, committee

Masters Student Advising

- 2013-17 Sustainable Transportation and Infrastructure Advisees (60 students)
2015-16 Smart Cities Advisees (5 students)
Probation Advisees (5 students)

Research Assistants

- 2016-17 MCP: Diwen Shen, Xinyi Zhou, Juan Benitez, Meiqing Li. BA/BS: Jack Kearney; Ilan Gold
2015-16 MCP: Lucia Artavia, Alma Siulagi, Simon Kassel, Diwen Shen, Ziming Liu, Mariel Kirschen
2014-15 MCP: Zach Billet, Matt DiScenna, Lex Powers, Chi Zhang. BA: Juan Visser

CONSULTING

- 2015-16 Kota Kita and Living Cities, Transportation Advisor, Women on wheels: analyzing and improving conditions for women bicyclists in Solo, Indonesia.
2014-15 Kota Kita, Transportation Advisor, Integrating Informal Public Transportation with Rapid Bus in Solo, Indonesia.
2013 Calthorpe Associates, Sub-Consultant on Regional Modeling and Scenarios: Comprehensive Development Plan, Mexico City Metropolitan Area
2011-12 UN-HABITAT Sustainable Urban Mobility Strategy and Policy Development, Nairobi, Kenya.
2011 Cities Development Initiative for Asia, Transportation Advisor for Informal Public Transportation in Medium-Sized Indonesian Cities
2007 BBG Group, Sub-Consultant on Transportation and Sustainability Program for Inter-American Development Bank in Quito, Ecuador

GRANTS

- 2017 U.S. Department of Transportation (Team member) with Rahul Mangharam (PI), \$3,000,000 per year (50% of funding for Upenn). "Mobility 21: National University Transportation Center for Improving Mobility."
World Bank (PI) \$25,000. "The Geography of Housing and Transit Costs in Buenos Aires: Developing an indicator of metropolitan housing and transit costs"
2016-17 University Research Foundation, University of Pennsylvania, (PI) \$28,000. "The Built Environment, Traffic Enforcement, and Pedestrian Safety in the Philadelphia Region".
The Brookings Institute (Co-PI) with Gilles Duranton (PI) \$8,000. "Moving to Access: Urban development, transportation, and accessibility."
2015-17 Lincoln Institute of Land Policy (Co-PI) with Jorge Escamilla (PI) and Paavo Monkkonen (Co-PI), \$27,000. "Los costos de la productividad urbana: crecimiento económico y expansión urbana en México."
Technologies for Safe and Efficient Transportation, University Transportation Center (PI), \$30,000. "The built environment and pedestrian safety in the Philadelphia region."
2016 Organisation for Economic Co-operation and Development (PI) \$8,000. "Housing

- plus Transportation Affordability Indices: uses, opportunities, and challenges.”
- 2014-16 Technologies for Safe and Efficient Transportation, University Transportation Center (PI), \$40,000. “Air quality, electric vehicles, and the motorcycle city.”
- 2014-15 Kleinman Center for Energy Policy (PI), \$5,000. “Air quality, electric vehicles, and the motorcycle city.”
- 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.”
- 2013-15 Technologies for Safe and Efficient Transportation, University Transportation Center (PI), \$50,000. “Planning for Self-Driving Cars.”
- 2010-14 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.”

SERVICE

Department, School, and University

- 2017 Director of Education and Outreach, Mobility 21 National Transportation Center Symposium co-organizer and panel moderator: Mobility 21 Consortium Meeting.
- 2013-17 Faculty Co-Advisor: Sustainable Transportation and Infrastructure Concentration, Department of City and Regional Planning
Faculty Advisor: Urbtrans Student Transportation Group
- 2015-16 Associate Chair, Department of City and Regional Planning
Faculty Advisor, Penn Global Task Force, School of Design
- 2014-16 Curriculum Committee, University of Pennsylvania, School of Design
Faculty Advisor: Smart Cities Concentration, Department of City and Regional Planning
- 2014-15 Faculty Search Committee: Community and Economic Development, Department of City and Regional Planning.

Field

- 2017 Federal Highway and Volpe Center Advisory Committee on Shared Mobility and MPO planning.
- 2016-17 PennDOT Task Force on Autonomous Vehicle Testing Policy.
Conference track organizer: World Symposium on Transport and Land Use Research
- 2016 CSP/IACP Karen Polenske Best Student Paper Award Committee
Kleinman Center for Energy Policy Speaker Series, Philadelphia, PA. Discussant on “The Role of Urban Planning in Urban Transportation.”
Transportation Research Board: Breakout session moderator on bicycle and pedestrian policy and planning for autonomous vehicles.
NECTAR Conference. Latin American Transport Moderator.
- 2015 PennIUR. Discussant on Open Streets, Philadelphia.
Greater Philadelphia Futures Group member, DVRPC.
- 2014-15 ACSP Conference: Moderator, mobile workshop organizer, discussant

- 2014 Social Science & Policy Forum Immigration and Metropolitan Revitalization Conference, Philadelphia, PA: Discussant
American Institute of Architects Philadelphia Chapter, Ed Bacon Student Urban Design Competition: Juror.
Economic Impacts of PATCO on Delaware Valley Economy. Advisor to DVRPC.
- 2013-14 Round-Table Discussion with Ed Glaeser, Berkeley, CA: Moderator
- 2013 Pedestrian Advisory Committee. Caltrans District 4, Oakland, CA
- 2011-13 California Redevelopment Agency, Oakland. Public Advisory Committee
- 2010-12 University of California Transportation Center Annual Conference, Berkeley, CA:
- 2010-11 Conference co-organizer

Journals and Reviews

- 2010-17 Academic Reviewer: National Science Foundation, 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, Transport Policy, Transportation Research Part A, Transportation Research Part D, Transportation Research Record, Urban Geography
- 2010-12 Berkeley Planning Journal, Editorial Board

FELLOWSHIPS AND AWARDS

- 2016-17 Penn Institute for Urban Research Faculty Fellow
- 2015-17 Investigator, Penn Injury Science Center
- 2013 Barclay Gibbs Jones Award for the Best Dissertation in Planning
Doctoral Student Academic Achievement Award, UC Berkeley
- 2012-13 University of California Transportation Center Dissertation Grant
Dean's Normative Time Fellowship
- 2012 Gill-Chin Lim Travel Award
- 2010-12 Eisenhower Fellowship
- 2009-10 University of California Student Transportation Fellowship
- 2006 Rappaport Fellow, Harvard University