

AMY E. LEE

Postdoctoral Scholar
Institute of Transportation Studies
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EDUCATION

2023 Ph.D. Transportation Technology & Policy. University of California, Davis
2017 MS. Transportation Technology & Policy. University of California, Davis
2017 Graduate Certificate in Industrial Ecology. University of California, Davis
2011 BS. Environmental Policy & Planning. University of California, Davis

APPOINTMENTS

2023– UCLA. Institute of Transportation Studies. Postdoctoral Scholar
2012–18 Sacramento Area Council of Governments
Associate Research Analyst. January 2018 – September 2018
Research Analyst II. 2014–2017
Planner I. 2012–2014
2011–12 Sacramento Area Bicycle Advocates. Advocacy & Outreach Manager

TEACHING

Courses Taught

Applied Research Methods. UC Davis ESP 178. Instructor of Record. Winter 2022
Applied Research Methods. UC Davis ESP 178. Teaching Assistant. Winter 2021
Urban & Regional Planning. UC Davis ESP 171. Instructor of Record. Summer 2020
Urban & Regional Planning. UC Davis ESP 171. Teaching Assistant. Spring 2020
Urban & Regional Planning. UC Davis ESP 171. Teaching Assistant. Spring 2019
Urban & Regional Planning. UC Davis ESP 171. Teaching Assistant. Spring 2017

Guest Lectures

FEDTalk. UCLA Institute of Transportation Studies. Fall 2023.
Geography, Environment, and Planning Research Colloquium. Sonoma State University. Spring 2022
Transportation Policy (ECI 165). University of California, Davis. Fall 2019
Transportation Research Center Seminar. University of Vermont. Fall 2019
Environmental Analysis (ESP 1). University of California, Davis. Summer 2019
Urban & Regional Planning (ESP 171). University of California, Davis. Spring 2015, 2017, 2019, & 2020
Centre for Transport & Society Seminar. University of the West of England. Bristol, UK. Spring 2011

REFEREED PUBLICATIONS

2020 Handy, S. and **A. Lee**. What Is It About Bicycling? Evidence from Davis, California. *Travel Behaviour and Society*. 20: 348-357. DOI: 10.1016/j.tbs.2020.05.001
2020 Volker, J., **A. Lee**, and S. Handy. Induced Vehicle Travel in Environmental Review. *Transportation Research Record*. DOI: 10.1177/0361198120923365

- 2019 Volker, J., J. Kaylor, and **A. Lee**. A New Metric in Town: A Survey of Local Planners on California's Switch from LOS to VMT. *Transport Findings*, November. DOI: 10.32866/10817
- 2019 Volker, J., **A. Lee**, and D. Fitch. Streamlining the Development Approval Process in a Post-Level of Service Los Angeles. *Journal of the American Planning Association*. 85(2): 114-132. DOI: 10.1080/01944363.2019.1601587
- 2018 Sciara, G.C. and **A. Lee**. Allocating Transportation Revenues to Support Climate Policies in California and Beyond. *California Journal of Politics and Policy*. 10(1). DOI: 10.5070/P2cjpg10139474
- 2018 **Lee, A.** and S. Handy. Leaving Level-of-Service Behind: The Implications of a Shift to VMT Performance Metrics. *Research in Transportation Business and Management*. 29: 14–25. DOI: 10.1016/j.rtbm.2018.02.003
- 2015 **Lee, A.** and S. Handy. Crashes and other safety-related incidents in the formation of attitudes toward bicycling. *Transportation Research Part F: Traffic Psychology and Behaviour*. 28: 14–24. DOI: 10.1016/j.trf.2014.11.001
- 2014 Underwood, S., S. Handy, D. Paterniti, and **A. Lee**. 2014. Why do teens abandon bicycling? A retrospective look at attitudes and behaviors. *Journal of Transport & Health*. 1(1): 17–24. DOI: 10.1016/j.jth.2013.12.002

RESEARCH REPORTS, PLANS, ETC.

- 2023 **Lee, A.** The Policy and Politics of Highway Expansions. Doctoral dissertation. <https://escholarship.org/uc/item/13x3n8zr>
- 2021 Deakin, E., C. Chow, D. Son, S. Handy, E. Barbour, **A. Lee**, et al. Evaluation of California State and Regional Transportation Plans and Their Prospects for Attaining State Goals. (California Transportation Assessment Report Pursuant to AB 285) UC Berkeley: Institute of Transportation Studies at UC Berkeley. <https://escholarship.org/uc/item/50j4b4r8>
- 2021 **Lee, A.** and S. Handy. Putting Our Cash Where Our Climate Policy Is: Transportation Funding versus Planning for Climate Protection among California MPOs. Part 2 of: "MPO Planning and Implementation of State Policy Goals". Part of "Evaluation of California State and Regional Transportation Plans and Their Prospects for Attaining State Goals". <https://escholarship.org/uc/item/7p8096mh>
- 2020 **Lee, A.** Maps 1, 2, 3, 4, 5a and 5b in Lily Pearl Balloffet, author, *Argentina in the Global Middle East*. Stanford, California: Stanford University Press.
- 2020 **Lee, A.** Results of the 2019-20 Campus Travel Survey. Institute of Transportation Studies. University of California, Davis. <https://escholarship.org/uc/item/9929r4j1>
- 2020 **Lee, A.** and J. Volker. The Cannery Mixed-Use Project (Davis, CA) Case Study. Prepared for the California Senate Bill 743 Implementation Assistance Project. www.SB743.org/casestudies
- 2020 **Lee, A.** State Route 210 Widening, San Bernardino County Case Study. Prepared for the California Senate Bill 743 Implementation Assistance Project. www.SB743.org/casestudies
- 2020 Steinberger, A. and **A. Lee**. City of Woodland 2035 General Plan Update Case Study. Prepared for the California Senate Bill 743 Implementation Assistance Project. www.SB743.org/casestudies
- 2019 **Lee, A.** Results of the 2018-19 Campus Travel Survey. Institute of Transportation Studies. University of California, Davis. <https://escholarship.org/uc/item/44z3060c>
- 2018 Sciara, G.C. & **A. Lee**. Aligning California's Transportation Funding with its Climate Policies. National Center for Sustainable Transportation. <https://escholarship.org/content/qt9jp6d597/qt9jp6d597.pdf>
- 2017 **Lee, A.** Leaving Level-of-Service Behind: The Implications of a Shift to VMT Performance Metrics for California's Built Environment. Unpublished master's thesis. University of California, Davis. <https://www.proquest.com/docview/2046938445>
- 2017 **Lee, A.**, K. Fang, and S. Handy. Evaluation of Sketch-Level Vehicle Miles Traveled Quantification Tools: Strategic Growth Council Grant Programs Evaluation Support Project. National Center for Sustainable Transportation. <https://escholarship.org/content/qt08k3q8m5/qt08k3q8m5.pdf>

- 2017 Electric Vehicle Readiness and Infrastructure Plan. Prepared for the County of Sacramento and the Cities Within. Sacramento Area PEV Collaborative and Sacramento Area Council of Governments.
- 2015 Yolo Case Study: Context-Sensitive Economic Development West of 505. Sacramento Area Council of Governments. www.sacog.org/post/yolo-case-study
- 2014 Sacramento Regional Agricultural Infrastructure Project: Yuba County Case Study. Sacramento Area Council of Governments. www.sacog.org/post/yuba-case-study
- 2013 Take Charge: An Infrastructure Roadmap for EVs. 2013. Sacramento Area Council of Governments. <https://www.sacog.org/post/pev-implementation>
- 2010 **Lee, A.** *Holocarpha macradenia* v. Alternate Transportation: An Endangered Species and the Broadway-Brommer Bike Path. Prized Writing 2009–2010. University of California, Davis University Writing Program.

AWARDS & FELLOWSHIPS

- 2024 Charley V. Wootan Memorial Award – outstanding doctoral dissertation in transportation policy & planning
- 2021 Dwight D. Eisenhower Transportation Graduate Fellowship – \$35,500
- 2021 National Center for Sustainable Transportation Dissertation Grant – \$30,000
- 2020 Mary Nichols Environmental Policy Award (with Dr. Jamey Volker)
- 2020 National Center for Sustainable Transportation Outstanding Student of the Year
- 2020 Dwight D. Eisenhower Transportation Graduate Fellowship – \$5,000
- 2020 Eno Center for Transportation Future Leaders Development Conference (cancelled due to Covid)
- 2019 National Center for Sustainable Transportation Graduate Student Exchange to University of Vermont
- 2019 Dwight D. Eisenhower Transportation Graduate Fellowship – \$5,000
- 2011 WTS Sacramento Sharon D. Banks Memorial Undergraduate Scholarship
- 2010 UC Davis Sustainable Transportation Center Undergraduate Research Fellowship

SELECTED PRESENTATIONS & TALKS

- 2024 “Pathways to Decarbonizing Urban Transportation” at the Transportation Research Board Annual Meeting. Washington, DC. Panelist.
- 2023 “The Consequences of Highway Expansion” at the ACSP Annual Conference. Chicago. Panelist.
- 2022 “To Advocate or Not: Exploring the promises and perils of evangelism among transportation planning professors” at the ACSP Annual Conference. Toronto. Panelist.
- 2022 “Highways and the Danger Zone: Policy and Politics of Highway Expansions during a Climate Crisis” at the ACSP Annual Conference. Toronto. Lectern presentation.
- 2022 “Highway Expansion & Induced Travel” presented to the Yolo County Transit District Board of Directors. January 10. Invited speaker.
- 2021 “Putting our Cash Where Our Climate Policy Is: Transportation Planning versus Programing for Climate Protection in California” at the ACSP Annual Conference. Virtual. Lectern presentation.
- 2021 “The High Carbon of Scarce Housing” at the Transportation Research Board Annual Meeting. Virtual. Poster.
- 2020 “Comparing Induced Travel Research Methods” at the Transportation Research Board Annual Meeting. Washington, DC. Poster.
- 2018 “The Implications of a Switch from LOS to VMT Performance Metrics” at the ACSP Annual Conference. Buffalo, New York. Lightning talk.
- 2018 “Adaptive Regional Transportation Solutions from the Coast to the Valley” at the California Adaptation Forum. Sacramento, CA. August. Lectern presentation.

- 2018 “LOS versus VMT in California’s Environmental Review: A Los Angeles Case Study” at the Transportation Research Board Annual Meeting. Washington, DC. Poster.
- 2018 “What Is It About Bicycling? Evidence from Davis, California” at the Transportation Research Board Annual Meeting. Washington, DC. Poster.
- 2017 “LOS to VMT: A new approach to measuring congestion impacts” at the Portland State University Transportation & Communities Summit. Portland, Oregon. Invited panelist.
- 2017 “Quantifying Vehicle Miles Traveled” with Professor Susan Handy. National Center for Sustainable Transportation. Webinar Presenter & Co-host.
- 2017 “Sketch-Level Methods for Quantifying Vehicle Miles Traveled” at the Transportation Research Board Annual Meeting. Washington, DC. Poster.
- 2017 “Allocating State Transportation Funds to Promote Sustainability” at the Transportation Research Board Annual Meeting. Washington, DC. Lectern presentation.
- 2012 “Exploring the Formation of Attitudes toward Bicycling” at ProWalk/ProBike/ProPlace. Long Beach, California. Lectern presentation.
- 2012 “Incidents and Crashes: Exploring the Formation of Attitudes toward Bicycling” at the Transportation Research Board Annual Meeting. Washington, DC. Poster.
- 2011 “Exploring Attitudes to Bicycling: A Retrospective Look from Adulthood” at Velo-City International Conference on Bicycling. Sevilla, Spain. Roundtable.

SERVICE & MENTORSHIP

Academic Service

- 2021–22 UC Davis Institute of Transportation Studies Diversity, Equity, & Inclusion (DEI) Committee
- 2020–22 Transportation Technology & Policy Graduate Group Student Representative
- 2020–22 Transportation Technology & Policy Graduate Group Executive Committee
- 2021 TRB Conference on Advancing Transportation Equity. Program Committee
- 2020–21 Transportation Technology & Policy Graduate Group Peer Mentor
- 2019 6th International Conference on Women’s Issues in Transportation. Abstract Committee

External Service

- 2023 Commissioner. City of Sacramento. Active Transportation Commission
- 2021–22 Sacramento Area Council of Governments’ Project Evaluation Technical Working Group
- 2015–16 City of Davis Transportation Systems Design Standards Advisory Group
- 2014–16 Vice Chair. City of Davis. Bicycling, Transportation, and Street Safety Commission
- 2015–17 Secretary. SACOG Employees’ Association

Student Mentorship

- Oliver Craven. Research assistant, 2022. BS Environmental Policy & Planning 2023
- Rosanelly Alvarez-Coria. Research assistant, 2021. BS Managerial Economics 2022
- Holly Murphy. Research assistant, 2021. BS Environmental Policy & Planning 2022
- Noah Larson. Research assistant, 2019-21. BS Civil Engineering 2020
- Joseph Kaylor. Research assistant, 2017-18. BS Environmental Policy & Planning 2018

MEDIA COVERAGE

Monica Stark. 2023. “Researchers, activists sound alarm on highway widening.” *Davis Enterprise*. 2 June 2023. https://www.davisenterprise.com/news/state_government/researchers-activists-sound-alarm-on-highway-widening/article_1f18af46-2602-5ad4-b0dc-70c5314f0c5e.html

Andrew Bowen. 2022. “After pledging 'net zero' emissions, San Diego wants to spend \$22.5M to expand a freeway.” KPBS. 21 October. <https://www.kpbs.org/news/environment/2022/10/21/net-zero-emissions-climate-action-plan-san-diego-expand-sr-56-freeway-hov-lanes>

Melanie Curry. 2022. “Legislative Report Says: Align Transportation Money with Climate Goals. Now: How?” *Streetsblog Cal*. 10 March. <https://cal.streetsblog.org/2022/03/10/legislative-report-says-align-transportation-money-with-climate-goals-now-how>

Jake Blumgart. 2022. “Searching for Ways to Limit Induced Demand in a Car-Loving Society.” *Governing*. 7 March. <https://www.governing.com/next/searching-for-ways-to-limit-induced-demand-in-a-car-loving-society>

Melanie Curry. 2022. “Induced Demand is Hard to Explain – But It’s Crucial to Get It.” *Streetsblog Cal*. 2 March. <https://cal.streetsblog.org/2022/03/02/induced-demand-is-hard-to-explain-but-its-crucial-to-get-it>

Jake Blumgart. 2022. “Why the Concept of Induced Demand is a Tough Sell.” *Governing*. 28 February. <https://www.governing.com/now/why-the-concept-of-induced-demand-is-a-hard-sell>

Melanie Curry. 2022. “Report: CA’s Historical Focus on Highway Construction Must Change.” *Streetsblog Cal*. 23 February. <https://cal.streetsblog.org/2022/02/23/report-cas-historical-focus-on-highway-construction-must-change>

Liam Dillon & Ben Poston. 2021. “Freeways force out residents in communities of color – again.” *Los Angeles Times*. 11 November 2021. <https://www.latimes.com/projects/us-freeway-highway-expansion-black-latino-communities>

Joe Linton. 2021. “Interview: California Freeway Expansion Projects Induce Travel, and Underestimate Impacts of Additional Driving.” *Streetsblog Cal*. 21 February. <https://cal.streetsblog.org/2021/02/17/interview-california-freeway-expansion-projects-induce-travel-and-underestimate-impacts-of-additional-driving>

Office Hour with Dr. Naomi Janowitz. “Transportation Studies.” KDVS Radio. 8 January 2019.