

Carole Turley Voulgaris

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Education

University of California, Los Angeles	Los Angeles, California
Doctor of Philosophy, Urban Planning	2012 – 2017
University of Notre Dame	Notre Dame, Indiana
Master of Business Administration, Finance concentration, Magna cum laude	2010 – 2012
Brigham Young University	Provo, Utah
Master of Science, Civil Engineering	2006 – 2007
Brigham Young University	Provo, Utah
Bachelor of Science, Civil Engineering	2000 – 2006

Employment

Harvard Graduate School of Design	2019-present
Assistant Professor, Department of Urban Planning and Design	Cambridge, Massachusetts
California Polytechnic State University	2018-2019
Assistant Professor, Department of Civil and Environmental Engineering	San Luis Obispo, California
Transpo Group	2007-2010
Transportation Engineer	Kirkland, Washington
Utah Transit Authority	2006-2007
Capital Development Intern	Salt Lake City, Utah

Research

Selected Refereed Journal Articles

- Braun, L. M., H.T.K. Le, **C.T. Voulgaris** & R.C. Nethery. 2021. Healthy for whom? Equity in the spatial distribution of cycling risks in Los Angeles, CA. *Journal of Transport and Health*, 23. DOI: 10.1016/j.jth.2021.101227
- Darling, W., E. Carpenter, T. Johnson-Praino, C. Brakewood & **C.T. Voulgaris**. 2021. A comparison of reduced-fare programs for low-income transit riders. *Transportation Research Record: Journal of the Transportation Research Board*. DOI: 10.1177/03611981211017900
- Voulgaris, C.T.**, R. Hosseinzade, A. Pande & S. Alexander. 2021. Neighborhood effects of Safe Routes to School programs on the likelihood of active travel to school. *Transportation Research Record: Journal of the Transportation Research Board*. DOI: 10.1177/0361198121995490
- Voulgaris, C.T.** 2020. What is a forecast for? Motivations for transit ridership forecast accuracy in the federal New Starts program. *Journal of the American Planning Association*, 86(4), 458-469
DOI: 10.1080/01944363.2020.1746191
- Voulgaris, C.T.** 2020. Trust in Forecasts? Correlates with ridership forecast accuracy for fixed-guideway transit projects. *Transportation*, 47, 2439-2477. DOI: 10.1007/s11116-019-10024-8
- Panik, R.T., E. Morris, & **C.T. Voulgaris**. 2019. Does walking and bicycling more mean exercising less? Evidence from the U.S. and the Netherlands. *Journal of Transport & Health*, 15. DOI: 10.1016/j.jth.2019.100590
- Shinn, J.E., & **C.T. Voulgaris**. 2019. Ridership Ramp-up? Initial ridership variation on new rail transit projects. *Transportation Research Record: Journal of the Transportation Research Board*.
DOI: 10.1177/0361198119844462
- Blumenberg, E., A.E. Brown, K.M. Ralph, B.D. Taylor, & **C.T. Voulgaris**. 2019. A resurgence in urban living? Trends in residential location patterns of young and older adults since 2000. *Urban Geography*.
DOI: 10.1080/02723638.2019.1597594
- Voulgaris, C.T.** 2019. Crystal Balls and Black Boxes: What makes a good forecast? *Journal of Planning Literature*, 34(3), 286-299. DOI: 10.1177/0885412219838495

- Voulgaris, C. T.**, Smart, M. J., & Taylor, B. D. 2019. Tired of Commuting? Relationships among Journeys to School, Sleep, and Exercise among American Teenagers. *Journal of Planning Education and Research*, 39(2)142-154, DOI: 10.1177/0739456X17725148.
- Ralph, K.M., **C.T. Voulgaris**, & A.E. Brown. 2017. Travel and the Built Environment: Insights using Activity Densities, the Sprawl Index, and Neighborhood Types. *Transportation Research Record: Journal of the Transportation Research Board*, 2653, 1-9, DOI: 10.3141/2653-01
- Ralph, K.M., **C.T. Voulgaris**, B.D. Taylor, E. Blumenberg, & A.E. Brown. 2017. Millennials, built form, and travel: Insights from a nationwide typology of U.S. neighborhoods. *Journal of Transport Geography*. 57, 218-226, DOI: 10.1016/j.jtrangeo.2016.10.007
- Voulgaris, C.T.**, B.D. Taylor, E. Blumenberg, A.E. Brown, & K. Ralph. 2017. Synergistic neighborhood relationships with travel behavior: An analysis of travel in 30,000 US neighborhoods. *Journal of Transportation and Land Use*, 10(1), 437-461, DOI: 10.5198/jtlu.2016.840
- Voulgaris, C.T.** 2016. A TUF Sell: Transportation Utility Fees as User Fees for Local Roads and Streets. *Journal of Public Works Management and Policy*, 21(4), 305-323. DOI: 10.1177/1087724X16629961
- Brown, A., E. Blumenberg, B.D. Taylor, K. Ralph, & **C.T. Voulgaris**. 2016. A Taste for Transit? Analyzing Public Transit Trends among Youth. *Journal of Public Transportation*, 19(1), 49-67. DOI: 10.5038/2375-0901.19.1.4
- Selected Conference Presentations**
- Voulgaris, C.T.**, G. Macfarlane, J. Kaylor, T. Su & A. Bauranov. 2021. Whose Emissions Are These Anyway? Estimating Vehicle Miles Traveled to Account For Site-Level Transportation Impacts on Climate Change. *61st Annual Association of Collegiate Schools of Planning Conference*. Online.
- Voulgaris, C.T.**, & S. Littlefield. 2021. Working from home or taking work home? Travel effects of the option to work from home. *100th Annual Meeting of the Transportation Research Board*. Online.
- Voulgaris, C.T.**, R. Hosseinzade, A. Pande & S. Alexander. 2021. Neighborhood effects of Safe Routes to School programs on the likelihood of active travel to school. *100th Annual Meeting of the Transportation Research Board*. Online.
- Darling, W., E. Carpenter, T. Johnson-Praino, C. Brakewood & **C.T. Voulgaris**. 2021. A comparison of reduced-fare programs for low-income transit riders. *100th Annual Meeting of the Transportation Research Board*. Online.
- Voulgaris, C.T.** 2020. Home away from home or work away from work: What are the travel effects of working from home? *60th Annual Association of Collegiate Schools of Planning Conference*. Online.
- Voulgaris, C.T.** & R. Oulton. 2019. Green and Complete Streets as an Opportunity for Cross-course Collaborative Projects. *American Society of Engineering Education Pacific Southwest Conference*. Los Angeles.
- Shinn, J.E. & **C.T. Voulgaris**. 2019. Ridership Ramp-up? Initial ridership variation on new rail transit projects. *98th Annual Meeting of the Transportation Research Board*. Washington, DC.
- Panik, R.T., E.A. Morris, & **C.T. Voulgaris**. 2019. Does walking and bicycling more mean exercising less? Evidence from the US and the Netherlands. *98th Annual Meeting of the Transportation Research Board*. Washington, DC.
- Voulgaris, C.T.** 2018. In Forecasts We Trust? Correlates with ridership forecast accuracy for fixed-guideway transit projects. *97th Annual Meeting of the Transportation Research Board*. Washington, DC.
- Voulgaris, C.T.** 2017. Federal Money for Local Projects: Analyzing Trends in Federally Funded Transit Project Cost Estimates. *57th Annual Association of Collegiate Schools of Planning Conference*. Denver, Colorado.
- Voulgaris, C.T.** 2017. Costly Errors: Analyzing Trends in Federally Funded Transit Project Cost Estimates. *96th Annual Meeting of the Transportation Research Board*. Washington, DC.
- Voulgaris, C.T.**, E. Blumenberg, M. Brozen & K. Bridges. 2017. Are These Streets Made for Walking? Walking and the Built Environment in Four California Cities. *96th Annual Meeting of the Transportation Research Board*. Washington, DC.

- Ralph, K.M., **Voulgaris, C.T.** & A. Brown. 2017. Travel and the Built Environment: Insights using Activity Densities, the Sprawl Index, and Neighborhood Types. *96th Annual Meeting of the Transportation Research Board*. Washington, DC.
- Blumenberg, E., **C.T. Voulgaris**, M. Brozen & K. Bridges. 2017. Walk on: Are changes in neighborhood characteristics associated with changes in walking? *96th Annual Meeting of the Transportation Research Board*. Washington, DC.
- Brozen, M., K. Bridges, **C.T. Voulgaris**, & E. Blumenberg. 2017. Improving the next generation of travel demand models to better represent pedestrian needs: The case of large California Metropolitan Planning Organizations. *96th Annual Meeting of the Transportation Research Board*. Washington, DC.
- Voulgaris, C.T.** 2016. Crystal Balls and Black Boxes: Forecast accuracy for federally-funded transit projects. *56th Annual Association of Collegiate Schools of Planning Conference*. Portland, Oregon.
- Brown, A., E. Blumenberg, B.D. Taylor, **C.T. Voulgaris**, & K. Ralph. 2016. A Taste for Transit? Analyzing Youth and Public Transit Use Trends in the U.S. *95th Annual Meeting of the Transportation Research Board*. Washington, DC.
- Ralph, K., **C.T. Voulgaris**, B.D. Taylor, E. Blumenberg, & A. Brown. 2016. Youth, Travel, and the Built Environment: Insights from Typecasting Places and Younger Travelers. *95th Annual Meeting of the Transportation Research Board*. Washington, DC.
- Voulgaris, C.T.**, E. Blumenberg, B.D. Taylor, A. Brown, & K. Ralph. 2016. Neighborhood Character and Travel Behavior: A Comprehensive Analysis of the U.S. *95th Annual Meeting of the Transportation Research Board*. Washington, DC.
- Voulgaris, C.T.**, E. Blumenberg, A. Brown, K. Ralph & B.D. Taylor. 2015. Who Are the Travelers in Your Neighborhood? *55th Annual Association of Collegiate Schools of Planning Conference*. Houston, Texas.
- Taylor, B.D., E. Blumenberg, A. Brown, K. Ralph & **C.T. Voulgaris**. 2015. Back to the City? Are Millennials Favoring Cities over the Suburbs and Rural Areas, and What Does This Mean for the Future of Travel? *55th Annual Association of Collegiate Schools of Planning Conference*. Houston, Texas.
- Voulgaris, C.T.**, A. Loukaitou-Sideris & B.D. Taylor. 2015. Planning for Pedestrian Flows in Underground Rail Transit Stations: A State-of-Practice Survey. *94th Annual Meeting of the Transportation Research Board*. Washington, DC.
- Voulgaris, C.T.**, B.D. Taylor, & M. Smart. 2015. Long Routes to School? School Travel and Activity Participation among High School Students. *94th Annual Meeting of the Transportation Research Board*. Washington, DC.

Selected Courses Taught

<i>SES 5394: Travel Behavior and Forecasting</i>	Spring 2022 Harvard Graduate School of Design
<i>SES 5437: Transportation Economics and Finance</i>	Fall 2021 Harvard Graduate School of Design
<i>VIS 2128: Spatial Analysis</i>	Fall 2021 Harvard Graduate School of Design
<i>ADV 9204: Preparation for Independent Thesis Proposal</i>	Fall 2020 Harvard Graduate School of Design
<i>SES 5215: Analytic Methods of Urban Planning: Quantitative</i>	Fall 2020, 2021 Harvard Graduate School of Design
<i>STU 1122: Second Semester Core Urban Planning Studio</i>	Spring 2020

<i>VIS 2129: Spatial Analysis and the Built Environment</i>	Harvard Graduate School of Design Fall 2019, 2020
<i>Civil Engineering 523: Transportation System Planning</i>	Harvard Graduate School of Design Fall 2018
<i>Civil Engineering 527: Sustainable Mobility</i>	California Polytechnic State University Spring 2018, 2019
<i>Civil Engineering 423: Intelligent Transportation Systems</i>	California Polytechnic State University Spring 2018, 2019
<i>Civil Engineering 424: Public Transportation</i>	California Polytechnic State University Winter 2018, 2019

Funded Research Grants

<i>Center for Green Buildings and Cities Faculty Research Grant</i>	2021
Role: Co-principal Investigator (with Elizabeth Christoforetti)	Amount: \$19,393
Project Title: Location-based Sustainability Analysis	
<i>Center for Green Buildings and Cities Faculty Research Grant</i>	2020
Role: Principal Investigator	Amount: \$19,992
Project Title: Evaluating Methods for Estimating Site-level Vehicle Miles Traveled	
<i>California State University Transportation Consortium Grant</i>	2019
Role: Principal Investigator	Amount: \$75,000
Project Title: Safety Considerations for All Road Users of Advisory Bike Lanes	
<i>California Department of Transportation Grant</i>	2018
Role: Principal Investigator	Amount: \$782,311
Project Title: Transportation Management Center Training Simulator Support	
<i>CTEDD Research Grant</i>	2018
Role: Co-principal Investigator (with Anurag Pande)	Amount: \$55,177
Project Title: An Empirical Bayes Approach to Quantifying the Impact of Transportation Network Companies on Vehicle Miles Traveled	
<i>Mineta Transportation Institute Research Grant</i>	2018
Role: Principal Investigator	Amount: \$48,271
Project Title: Safe Routes to School Intersectional Analysis	
<i>California State University Transportation Consortium Grant</i>	2018
Role: Principal Investigator	Amount: \$73,453
Project Title: Moving to Walkability? State and revealed behavior on the impacts of land use and travel demand management on mode choice	
<i>UC Institute of Transportation Studies Grant</i>	2017
Role: Principal Investigator	Amount: \$20,000
Project Title: Crystal Balls and Black Boxes: Optimism Bias in Ridership and Cost Forecasts for New Starts Rapid Transit Projects	
<i>UCLA Graduate Division Dissertation Year Fellowship</i>	2016
Role: Principal Investigator	Amount: \$35,830
Project Title: Crystal Balls and Black Boxes: Optimism Bias in Ridership and Cost Forecasts for New Starts Rapid Transit Projects	
<i>UCCONNECT Dissertation Grant</i>	2016
Role: Principal Investigator	Amount: \$7,500
Project Title: Crystal Balls and Black Boxes: Optimism Bias in Ridership and Cost Forecasts for New Starts Rapid Transit Projects	

UCLA Graduate Division Graduate Summer Research Mentorship Grant	2013
Role: Mentored student researcher (with Evelyn Blumenberg)	Amount: \$6,000
Project Title: The Role of Pupil Transportation in Education Reform and School Choice	

Awards and Honors

<i>Transportation Research Board William W. Millar Award</i>	2022
Awarded to the authors of the best paper in the public transportation area at the TRB Annual Meeting	
<i>Urban Planning and Design Student Forum Recognition Faculty Award</i>	2021
Selected by vote of the student body at the Harvard Graduate School of Design	
<i>Transportation Research Board Fred Burggraf Award</i>	2020
Awarded to recognize excellence in transportation research for scholars 35 years of age or younger	
<i>Pacific Southwest Region CUTC Outstanding Student of the Year Award</i>	2018
Awarded by the Council of University Transportation Centers	
<i>Barclay Gibbs Jones Award</i>	2017
Awarded by ACSP for best doctoral dissertation in planning	
<i>Eno Leadership Development Conference Alumni Fellowship</i>	2015
Awarded to top-rated applicant to the Eno Leadership Development Conference	
<i>Institute of Transportation Studies Fellowship</i>	2014
Merit-based fellowship for UCLA graduate students in transportation	
<i>Eisenhower Fellowship</i>	2013
Merit-based fellowship administered by the Federal Highway Administration	
<i>American Public Transportation Foundation Hall of Fame Scholarship</i>	2006
Merit-based scholarship awarded to five transportation students nationally	

Service and Leadership

<i>National Cooperative Highway Research Program</i>	2021-present
Member, project panel on incorporation of uncertainty in long-range transportation planning	
<i>Eno Center for Transportation</i>	2020-present
Member, advisory panel on transit costs and project delivery	
<i>Association of Collegiate Schools of Planning</i>	2020-present
Member, Doctoral Committee	
<i>Transportation Research Board, National Academies of Sciences, Engineering, and Medicine</i>	
Secretary, AP090: Standing Committee on Transit Data	2021-present
Member, AP030: Standing Committee on Public Transportation Marketing and Fare Policy	2021-present

Professional License

Professional Engineer (PE), Washington License #: 47256