

## Publications for David Levinson

### 2018

Cui, M., Levinson, D. (2018). Accessibility analysis of risk severity. *Transportation*, 45(4), 1029-1050. <a href="http://dx.doi.org/10.1007/s11116-017-9837-4">[More Information]</a>

Cui, M., Levinson, D. (2018). Accessibility and the Ring of Unreliability. *Transportmetrica A: Transport Science*, 14(1-2), 4-21. <a href="http://dx.doi.org/10.1080/23249935.2016.1258441">[More Information]</a>

Deboosere, R., El-Geneidy, A., Levinson, D. (2018). Accessibility-oriented development. *Journal of Transport Geography*, 70, 11-20. <a href="http://dx.doi.org/10.1016/j.jtrangeo.2018.05.015">[More Information]</a>

Ermagun, A., Levinson, D. (2018). An Introduction to the Network Weight Matrix. *Geographical Analysis: an international journal of theoretical geography*, 50(1), 76-96. <a href="http://dx.doi.org/10.1111/gean.12134">[More Information]</a>

Janson, M., Levinson, D. (2018). Choice of High Occupancy/Toll Lanes under Alternative Pricing Strategies. *Transportation Research Record*, In Press. <a href="http://dx.doi.org/10.1177/0361198118786637">[More Information]</a>

Cui, M., Levinson, D. (2018). Full cost accessibility. *Journal of Transport and Land Use*, 11(1), 661-679. <a href="http://dx.doi.org/10.5198/jtlu.2018.1042">[More Information]</a>

Levinson, D., Krizek, K. (2018). *Metropolitan transport and land use: Planning for place and plexus, second edition*. New York: Routledge. <a href="http://dx.doi.org/10.4324/9781315684482">[More Information]</a>

Parthasarathi, P., Levinson, D. (2018). Network structure and the journey to work: An intra-metropolitan analysis. *Transportation Research Part A*, 118, 292-304. <a href="http://dx.doi.org/10.1016/j.tra.2018.09.008">[More Information]</a>

Ermagun, A., Levinson, D. (2018). Spatiotemporal traffic forecasting: review and proposed directions. *Transport Reviews*, 38(6), 786-814. <a href="http://dx.doi.org/10.1080/01441647.2018.1442887">[More Information]</a>

Huang, J., Levinson, D., Wang, J., Zhou, J., Wang, Z. (2018). Tracking job and housing dynamics with smartcard data. *Proceedings of the National Academy of Sciences of the United States of America*, 115(50), 12710-12715. <a href="http://dx.doi.org/10.1073/pnas.1815928115">[More Information]</a>

### 2017

Ermagun, A., Levinson, D. (2017). "Transit makes you short": On health impact assessment of transportation and the built environment. *Journal of Transport and Health*, 4, 373-387. <a href="http://dx.doi.org/10.1016/j.jth.2016.08.004">[More Information]</a>

Zhang, L., Levinson, D. (2017). A model of the rise and fall of

roads. *Journal of Transport and Land Use*, 10(1), 337-356. <a href="http://dx.doi.org/10.5198/jtlu.2016.887">[More Information]</a>

Huang, A., Levinson, D. (2017). A Model of Two-destination Choice in Trip Chains with GPS data. *Journal of Choice Modelling*, 24, 51-62. <a href="http://dx.doi.org/10.1016/j.jocm.2016.04.002">[More Information]</a>

Jiang, H., Levinson, D. (2017). Accessibility and the evaluation of investments on the Beijing Subway. *Journal of Transport and Land Use*, 10(1), 395-408. <a href="http://dx.doi.org/10.5198/jtlu.2016.884">[More Information]</a>

Iacono, M., Levinson, D. (2017). Accessibility dynamics and location premia: Do land values follow accessibility changes? *Urban Studies*, 54(2), 364-381. <a href="http://dx.doi.org/10.1177/0042098015595012">[More Information]</a>

Melo, P., Graham, D., Levinson, D., Aarabi, S. (2017). Agglomeration, accessibility and productivity: Evidence for large metropolitan areas in the US. *Urban Studies*, 54(1), 179-195. <a href="http://dx.doi.org/10.1177/0042098015624850">[More Information]</a>

Tilahun, N., Levinson, D. (2017). Contacts and meetings: Location, duration and distance traveled. *Travel Behaviour and Society*, 6, 64-74. <a href="http://dx.doi.org/10.1016/j.tbs.2016.06.002">[More Information]</a>

Owen, A., Levinson, D. (2017). Developing a Comprehensive U.S. Transit Accessibility Database. In Piyushimita (Von) Thakuriah, Nebiyou Tilahun and Moira Zellner (Eds.), *Seeing Cities Through Big Data: Research, Methods and Applications in Urban Informatics*, (pp. 279-290). Cham: Springer. <a href="http://dx.doi.org/10.1007/978-3-319-40902-3\_16">[More Information]</a>

Levinson, D., Marshall, W., Axhausen, K. (2017). *Elements of Access: Transport Planning for Engineers, Transport Engineering for Planners*. Australia: Network Design Lab.

Murphy, B., Levinson, D., Owen, A. (2017). Evaluating the Safety In Numbers effect for pedestrians at urban intersections. *Accident Analysis and Prevention*, 106, 181-190. <a href="http://dx.doi.org/10.1016/j.aap.2017.06.004">[More Information]</a>

Di, X., Liu, H., Zhu, S., Levinson, D. (2017). Indifference bands for boundedly rational route switching. *Transportation*, 44(5), 1169-1194. <a href="http://dx.doi.org/10.1007/s11116-016-9699-1">[More Information]</a>

Wasfi, R., Steinmetz-Wood, M., Levinson, D. (2017). Measuring the transportation needs of people with developmental disabilities: A means to social inclusion. *Disability and Health Journal*, 10(2), 356-360. <a href="http://dx.doi.org/10.1016/j.dhjo.2016.10.008">[More Information]</a>

Zhu, S., Levinson, D., Liu, H. (2017). Measuring Winners and Losers from the New I-35W Mississippi River Bridge. *Transportation*, 44(5), 905-918. <a href="http://dx.doi.org/10.1007/s11116-016-9684-8">[More Information]</a>

Information]

Ermagun, A., Levinson, D. (2017). Public transit, active travel, and the journey to school: a cross-nested logit analysis. *Transportmetrica A: Transport Science*, 13(1), 24-37. <a href="http://dx.doi.org/10.1080/23249935.2016.1207723">[More Information]

Levinson, D., Marion, B., Owen, A., Cui, M. (2017). The City is flatter: Changing patterns of job and labor access. *Cities*, 60, 124-138. <a href="http://dx.doi.org/10.1016/j.cities.2016.08.002">[More Information]

Danczyk, A., Di, X., Liu, H., Levinson, D. (2017). Unexpected versus expected network disruption: Effects on travel behavior. *Transport Policy*, 57, 68-78. <a href="http://dx.doi.org/10.1016/j.tranpol.2017.02.002">[More Information]

Ermagun, A., Chatterjee, S., Levinson, D. (2017). Using Temporal Detrending to Observe the Spatial Correlation of Traffic. *PloS One*, 12(5), 1-21. <a href="http://dx.doi.org/10.1371/journal.pone.0176853">[More Information]

## 2016

Ermagun, A., Levinson, D. (2016). "Transit Makes you Short": On Health Impact Assessment of Transportation and the Built Environment. *Transportation Research Board Annual Meeting*, USA: Transportation Research Board.

Levinson, D. (2016). A Random Walk Down Main Street. *Tema*, 9(2), 163-172. <a href="http://dx.doi.org/10.6092/1970-9870/3914">[More Information]

Levinson, D., Istrate, E. (2016). *Access for Value: Financing Transportation Through Land Value Capture*.

Levinson, D., Giacomini, D., Badsey-Ellis, A. (2016). Accessibility and the choice of network investments in the London underground. *Journal of Transport and Land Use*, 9(1), 131-150. <a href="http://dx.doi.org/10.5198/jtlu.2015.797">[More Information]

Cui, M., Levinson, D. (2016). Accessibility and the Ring of Unreliability. *Transportation Research Board Annual Meeting*, USA: Transportation Research Board.

Ermagun, A., Levinson, D. (2016). Accessibility and Transit Performance. *Transportation Research Board Annual Meeting*, USA: Transportation Research Board.

Levinson, D. (2016). Climbing Mount Next: The Effects of Autonomous Vehicles on Society. *Minnesota Journal of Law, Science and Technology*, 16(2), 787-809.

Iacono, M., Levinson, D. (2016). Cohort Effects and Their Influence on Car Ownership. *Transportation Research Board Annual Meeting*, USA: Transportation Research Board.

Totten, J., Levinson, D. (2016). Cross-elasticities in frequencies and ridership for Urban local routes. *Journal of Public Transportation*, 19(3), 117-125. <a href="http://dx.doi.org/10.5038/2375-0901.19.3.7">[More Information]

Zador, P., Levinson, D. (2016). *Evaluating Perturbation Impact on Key Travel Models: Census Statistical Disclosure Control Research Project 1*.

Murphy, B., Levinson, D., Owen, A. (2016). Evaluating the "Safety In Numbers" Effect With Estimated Pedestrian Activity. *Transportation Research Board Annual Meeting*, USA: Transportation Research Board.

Ermagun, A., Levinson, D. (2016). Intra-household bargaining for school trip accompaniment of children: A group decision approach. *Transportation Research Part A*, 94, 222-234. <a href="http://dx.doi.org/10.1016/j.tra.2016.09.012">[More Information]

Schoner, J., Lindsey, G., Levinson, D. (2016). Is Bicycling Contagious? Effects of Bike Share Stations and Activity on System Membership and General Population Cycling. *Transportation Research Board Annual Meeting*, USA: Transportation Research Board.

Schoner, J., Lindsey, G., Levinson, D. (2016). Is Bikesharing Contagious? Modeling Its Effects on System Membership and General Population Cycling. *Transportation Research Record*, 2587, 125-132. <a href="http://dx.doi.org/10.3141/2587-15">[More Information]

Iacono, M., Levinson, D. (2016). Mutual causality in road network growth and economic development. *Transport Policy*, 45, 209-217. <a href="http://dx.doi.org/10.1016/j.tranpol.2015.06.005">[More Information]

Ermagun, A., Levinson, D. (2016). Physical Activity in School Travel: A Cross-Nested Logit Approach. *Transportation Research Board Annual Meeting*, USA: Transportation Research Board.

Zhu, S., Marshall, J., Levinson, D. (2016). Population exposure to ultrafine particles: Size-resolved and real-time models for highways. *Transportation Research Part D*, 49, 323-336. <a href="http://dx.doi.org/10.1016/j.trd.2016.09.010">[More Information]

Levinson, D. (2016). Review of "Gridlock: Why We're Stuck in Traffic and What to Do About It" by Randal O'Toole. *Journal of Transport and Land Use*, 4(1), 83-85.

Yokoo, T., Levinson, D. (2016). Road network structure and speeding using GPS data. *Transportation Research Board Annual Meeting*, USA: Transportation Research Board.

Levinson, D. (2016). *Spontaneous Access: Reflexions on Designing Cities and Transport*. USA: David Levinson.

Huang, A., Levinson, D. (2016). STREET: Where simulation meets reality. In Ann Hill Duin, Edward A. Nater, Farhad X. Anklesaria (Eds.), *Cultivating Change in the Academy*, (pp. 127-129). USA: University of Minnesota.

El-Geneidy, A., Levinson, D., Diab, E., Boisjoly, G., Verbich, D., Loong, C. (2016). The Cost of Equity: Assessing Transit Accessibility and Social Disparity using Total Travel Cost. *Transportation Research Board Annual Meeting*, USA: Transportation Research Board.

El-Geneidy, A., Levinson, D., Diab, E., Boisjoly, G., Verbich, D., Loong, C. (2016). The cost of equity: Assessing transit accessibility and social disparity using total travel cost. *Transportation Research Part A*, 91, 302-316. <a href="http://dx.doi.org/10.1016/j.tra.2016.07.003">[More Information]

Mogush, P., Krizek, K., Levinson, D. (2016). The value of bicycle trail access in home purchases. In Karst T. Geurs, Roberto Patuelli, Tomaz Ponce Dentinho (Eds.), *Accessibility, Equity and Efficiency: Challenges for Transport and Public Services*, (pp. 193-209). Edward Elgar Publishing.

Wang, K., Levinson, D. (2016). Towards a Metropolitan Fundamental Diagram using Travel Survey Data. *Transportation Research Board Annual Meeting*, USA: Transportation Research Board.

Wang, K., Levinson, D. (2016). Towards a Metropolitan Fundamental Diagram Using Travel Survey Data. *PloS One*,

11(2), 1-18. <a href="http://dx.doi.org/10.1371/journal.pone.0148660">[More Information]</a>

Lagune-Reutler, M., Guthrie, A., Fan, Y., Levinson, D. (2016). Transit Riders' Perception of Waiting Time and Stops Surrounding Environments. *Transportation Research Board Annual Meeting*, USA: Transportation Research Board.

Lagune-Reutler, M., Guthrie, A., Fan, Y., Levinson, D. (2016). Transit stop environments and waiting time perception: Impacts of trees, traffic exposure, and polluted air. *Transportation Research Record*, 2543, 82-90. <a href="http://dx.doi.org/10.3141/2543-09">[More Information]</a>

Fan, Y., Guthrie, A., Levinson, D. (2016). Waiting time perceptions at transit stops and stations: Effects of basic amenities, gender, and security. *Transportation Research Part A*, 88, 251-264. <a href="http://dx.doi.org/10.1016/j.tra.2016.04.012">[More Information]</a>

Stanley, J., Levinson, D. (2016). Workshop 3 report: Sustainable funding sources and related cost benefit measurements. *Research in Transportation Economics*, 59, 143-150. <a href="http://dx.doi.org/10.1016/j.retrec.2016.10.004">[More Information]</a>

## 2015

Ermagun, A., Levinson, D. (2015). Access and Transit Performance. *THREDBO International Conference Series on Competition and Ownership in Land Passenger Transport*, Chile.

Brosnan, M., Levinson, D. (2015). Accessibility and the Allocation of Time: Changes in Travel Behavior 1990-2010. *Transportation Research Board 94th Annual Meeting*, USA: Transportation Research Board Publications (TRB).

Levinson, D., Giacomini, D., Badsey-Ellis, A. (2015). Accessibility and the choice of network investments in the London Underground. *Transportation Research Board 94th Annual Meeting*, USA: Transportation Research Board Publications (TRB).

Cui, M., Levinson, D. (2015). Accessibility and the Ring of Unreliability. *6th International Symposium on Transport Network Reliability*, Japan.

Cui, M., Levinson, D. (2015). Accessibility and the Ring of Unreliability. *NECTAR-RSAI Session on Resilience and Vulnerability*, USA.

Brosnan, M., Levinson, D. (2015). Automobile accessibility and the allocation of time 1990-2010. *Electronic International Journal of Time Use Research*, 12, 115-132. <a href="http://dx.doi.org/10.13085/eIJTUR.12.1.115-132">[More Information]</a>

Huang, A., Levinson, D. (2015). Axis of travel: Modeling non-work destination choice with GPS data. *Transportation Research Part C*, 58, 208-223. <a href="http://dx.doi.org/10.1016/j.trc.2015.03.022">[More Information]</a>

Schoner, J., Cao, J., Levinson, D. (2015). Catalysts and magnets: Built environment and bicycle commuting. *Journal of Transport Geography*, 47, 100-108. <a href="http://dx.doi.org/10.1016/j.jtrangeo.2015.07.007">[More Information]</a>

Huang, J., Levinson, D. (2015). Circuitry in urban transit networks. *Journal of Transport Geography*, 48, 145-153. <a href="http://dx.doi.org/10.1016/j.jtrangeo.2015.09.004">[More

Information]</a>

Owen, A., Levinson, D. (2015). Developing a Comprehensive US Transit Accessibility Database. *Transportation Research Board 94th Annual Meeting*, USA: Transportation Research Board Publications (TRB).

Schoner, J., Lindsey, G., Levinson, D. (2015). Differences Between Walking and Bicycling Over Time: Implications for Performance Measurement. *Transportation Research Board 94th Annual Meeting*, USA: Transportation Research Board Publications (TRB).

Zhu, S., Levinson, D. (2015). Do People Use the Shortest Path? An Empirical Test of Wardrop's First Principle. *PloS One*, 10(8), 1-18. <a href="http://dx.doi.org/10.1371/journal.pone.0134322">[More Information]</a>

Schoner, J., Lindsey, G., Levinson, D. (2015). Factors Associated with the Gender Gap in Bicycling Over Time. *Transportation Research Board 94th Annual Meeting*, USA: Transportation Research Board Publications (TRB).

Di, X., Liu, H., Zhu, S., Levinson, D. (2015). Indifference Bands for Route Switching. *Transportation Research Board 94th Annual Meeting*, USA: Transportation Research Board Publications (TRB).

Iacono, M., Levinson, D. (2015). Methods for estimating the economic impact of transportation improvements: An interpretive review. In R Hickman, M Givoni, D Bonilla and D Banister (Eds.), *Handbook on Transport and Development*, (pp. 243-258). UK: Edward Elgar Publishing. <a href="http://dx.doi.org/10.4337/9780857937261.00023">[More Information]</a>

Owen, A., Levinson, D. (2015). Modeling the commute mode share of transit using continuous accessibility to jobs. *Transportation Research Part A*, 74, 110-122. <a href="http://dx.doi.org/10.1016/j.tra.2015.02.002">[More Information]</a>

Levinson, D. (2015), *Modernizing American Transportation Policy*.

Di, X., Liu, H., Levinson, D. (2015). Multiagent route choice game for transportation engineering. *Transportation Research Record*, 2480, 55-63. <a href="http://dx.doi.org/10.3141/2480-07">[More Information]</a>

Tang, W., Levinson, D. (2015). *Multiday GPS Travel Behavior Data for Travel Analysis | An Empirical Study of the Deviation between Actual and Shortest-Travel-Time Paths*, FHWA-HEP-015-026, (pp. 178 - 202). Washington DC, United States of America: Travel Model Improvement Program (TMIP).

Guthrie, A., Fan, Y., Levinson, D. (2015). Perception of Waiting Time at Transit Stops and Stations. *Transportation Research Board 94th Annual Meeting*, USA: Transportation Research Board Publications (TRB).

Giacomini, D., Levinson, D. (2015). Road network circuitry in metropolitan areas. *Environment and Planning B: Planning and Design*, 42(6), 1040-1053. <a href="http://dx.doi.org/10.1068/b130131p">[More Information]</a>

Xin, W., Levinson, D. (2015). Stochastic Congestion and Pricing Model with Endogenous Departure Time Selection and Heterogeneous Travelers. *Mathematical Population Studies*, 22(1), 37-52. <a href="http://dx.doi.org/10.1080/08898480.2013.836423">[More Information]</a>

Parthasarathi, P., Hochmair, H., Levinson, D. (2015). Street

network structure and household activity spaces. *Urban Studies*, 52(6), 1090-1112. <a href="http://dx.doi.org/10.1177/0042098014537956">[More Information]</a>

Levinson, D., Krizek, K. (2015). *The End of Traffic and the Future of Transport*. USA: David Levinson & Kevin Krizek.

## 2014

Levinson, D., Giacomini, D., Badsey-Ellis, A. (2014). Accessibility and the Choice of Network Investments in the London Underground. *World Symposium on Transport and Land Use Research*, Delft.

Schoner, J., Cao, X., Levinson, D. (2014). Catalysts and Magnets: Effects of Built Environment on Bicycle Commuting. *Transportation Research Board 93rd Annual Meeting*, USA: Transportation Research Board Publications (TRB).

Iacono, M., Levinson, D. (2014). Causality in the Link Between Road Network Growth and Regional Development. *Transportation Research Board 93rd Annual Meeting*, USA: Transportation Research Board Publications (TRB).

Janson, M., Levinson, D. (2014). HOT or not driver elasticity to price on the MnPASS HOT lanes. *Research in Transportation Economics*, 44(1), 21-32. <a href="http://dx.doi.org/10.1016/j.retrec.2014.04.008">[More Information]</a>

Janson, M., Levinson, D. (2014). HOT or Not: Driver Elasticity to Price on the MnPASS HOT Lanes. *Transportation Research Board 93rd Annual Meeting*, USA: Transportation Research Board Publications (TRB).

Owen, A., Janson, M., Levinson, D. (2014). Incremental Accessibility Benefits and Choice of Subscriptions for High-Occupancy Toll Lanes. *Transportation Research Record*, 2412, 93-99. <a href="http://dx.doi.org/10.3141/2412-11">[More Information]</a>

Owen, A., Janson, M., Levinson, D. (2014). Incremental Accessibility Benefits and HOT-Lane Subscription Choice. *Transportation Research Board 93rd Annual Meeting*, USA: Transportation Research Board Publications (TRB).

Owen, A., Levinson, D. (2014). Modeling the Commute Mode Share of Transit Using Continuous Accessibility to Jobs. *Transportation Research Board 93rd Annual Meeting*, USA: Transportation Research Board Publications (TRB).

Giacomini, D., Levinson, D. (2014). Road Network Circuitry in Metropolitan Areas. *Transportation Research Board 93rd Annual Meeting*, USA: Transportation Research Board Publications (TRB).

Huang, A., Levinson, D. (2014). Survival Analysis-Based Choice Set Formation Approach for Single-Destination Choice Using GPS Travel Data. *Transportation Research Board 93rd Annual Meeting*, USA: Transportation Research Board Publications (TRB).

Schoner, J., Levinson, D. (2014). The missing link: bicycle infrastructure networks and ridership in 74 US cities. *Transportation*, 41(6), 1187-1204. <a href="http://dx.doi.org/10.1007/s11116-014-9538-1">[More Information]</a>

Garrison, W., Levinson, D. (2014). *The Transportation Experience: Policy, Planning, and Deployment (2nd Edition)*. USA: Oxford University Press.

Schoner, J., Levinson, D. (2014). Which Station? Access Trips and Bike Share Route Choice. *Transportation Research Board 93rd Annual Meeting*, USA: Transportation Research Board Publications (TRB).

## 2013

Levinson, D., Zhu, S. (2013). A portfolio theory of route choice. *Transportation Research Part C*, 35, 232-243. <a href="http://dx.doi.org/10.1016/j.trc.2013.03.001">[More Information]</a>

Anderson, P., Levinson, D., Parthasarathi, P. (2013). Accessibility futures. *Transactions in GIS*, 17(5), 683-705. <a href="http://dx.doi.org/10.1111/tgis.12024">[More Information]</a>

Graham, D., Melo, P., Levinson, D. (2013). Agglomeration, Accessibility, and Productivity: Evidence for Urbanized Areas in the US. *Transportation Research Board 92nd Annual Meeting*, USA: Transportation Research Board.

Tilahun, N., Levinson, D. (2013). An agent-based model of origin destination estimation (ABODE). *Journal of Transport and Land Use*, 6(1), 73-88. <a href="http://dx.doi.org/10.5198/jtlu.v1.271">[More Information]</a>

Levinson, D. (2013). Commentary: Infrastructure and Urban Development: Evidence from Chinese Cities by Yan Song. *7th Annual Land Policy Conference: Infrastructure and Land Policies*, Cambridge: Lincoln Institute of Land Policy.

Levinson, D. (2013). Enterprising Roads. *Transportation Research Board 92nd Annual Meeting*, USA: Transportation Research Board.

Levinson, D. (2013), *Enterprising Roads: Improving the Governance of America's Highways*.

Chi, G., Quddus, M., Huang, A., Levinson, D. (2013). Gasoline price effects on traffic safety in urban and rural areas: Evidence from Minnesota, 1998-2007. *Safety Science*, 59, 154-162. <a href="http://dx.doi.org/10.1016/j.ssci.2013.05.012">[More Information]</a>

Janson, M., Levinson, D. (2013). HOT or Not: Driver Elasticity to Price on the MnPASS HOT Lanes. *International Transportation Economics Association Conference*, USA.

Di, X., Liu, H., Levinson, D. (2013). Multi-agent Route Choice Game for Transportation Engineering. *Transportation Research Board 92nd Annual Meeting*, USA: Transportation Research Board.

Parthasarathi, P., Levinson, D. (2013). Network Structure and the Journey to Work: An Intrametropolitan Analysis. *Transportation Research Board 92nd Annual Meeting*, USA: Transportation Research Board.

Parthasarathi, P., Levinson, D., Hochmair, H. (2013). Network Structure and Travel Time Perception. *PloS One*, 8(10), 1-13. <a href="http://dx.doi.org/10.1371/journal.pone.0077718">[More Information]</a>

Junge, J., Levinson, D. (2013). Property tax on privatized roads. *Research in Transportation Business & Management*, 7, 35-42. <a href="http://dx.doi.org/10.1016/j.rtbm.2013.03.010">[More Information]</a>

Liao, C., Levinson, D. (2013). ROAD: Interactive Geometric Design Tool for Transportation Education and Training. *Journal of Professional Issues in Engineering Education and Practice*, 139(2), 116-122. <a href="http://dx.doi.org/10.1061/(ASCE)EI.1943-5541.0000142">[More Information]</a>

Carrion, C., Levinson, D. (2013). Route choice dynamics after a link restoration. *Transportation Research Board 92nd Annual Meeting*, USA: Transportation Research Board.

Iacono, M., Levinson, D. (2013). Rural Highway Expansion

and Economic Development: Impacts on Private Earnings and Employment. *Transportation Research Board 92nd Annual Meeting*, USA: Transportation Research Board.

Tilahun, N., Levinson, D. (2013). Selfishness and altruism in the distribution of travel time and income. *Transportation*, 40(5), 1043-1061. <a href="http://dx.doi.org/10.1007/s11116-013-9456-7">[More Information]</a>

Chi, G., Porter, J., Cosby, A., Levinson, D. (2013). The impact of gasoline price changes on traffic safety: A time geography explanation. *Journal of Transport Geography*, 28, 1-11. <a href="http://dx.doi.org/10.1016/j.jtrangeo.2012.08.015">[More Information]</a>

Huang, A., Levinson, D. (2013). The structure and evolution of a skyway network. *The European Physical Journal: Special Topics*, 215(1), 123-134. <a href="http://dx.doi.org/10.1140/epjst/e2013-01719-1">[More Information]</a>

Anderson, P., Owen, A., Levinson, D. (2013). The Time Between: Continuously-defined accessibility functions for schedule-based transportation systems. *Transportation Research Board 92nd Annual Meeting*, USA: Transportation Research Board.

Carrion, C., Levinson, D. (2013). Uncovering the influence of commuters perception on the reliability ratio. *Transportation Research Board 92nd Annual Meeting*, USA: Transportation Research Board.

Carrion, C., Levinson, D. (2013). Valuation of travel time reliability from a GPS-based experimental design. *Transportation Research Part C*, 35, 305-323. <a href="http://dx.doi.org/10.1016/j.trc.2012.10.010">[More Information]</a>

## 2012

Zhu, S., Levinson, D. (2012). A Portfolio Theory of Route Choice. *91st Annual Meeting of the Transportation Research Board*, Washington, DC, USA.

Levinson, D., Huang, A. (2012). A positive theory of network connectivity. *Environment and Planning B: Planning and Design*, 39(2), 308-325. <a href="http://dx.doi.org/10.1068/b37094">[More Information]</a>

Krizek, K., Levinson, D. (2012). Access. In Randall Crane and Rachel Weber (Eds.), *The Oxford Handbook of Urban Planning*, (pp. 166-180). United States: Oxford University Press. <a href="http://dx.doi.org/10.1093/oxfordhb/9780195374995.013.0009">[More Information]</a>

Iacono, M., Levinson, D. (2012). Accessibility Dynamics and Location Premia: Do Land Values Follow Accessibility Changes? *91st Annual Meeting of the Transportation Research Board*, Washington, DC, USA.

Levinson, D. (2012). Accessibility impacts of high-speed rail. *Journal of Transport Geography*, 22, 288-291. <a href="http://dx.doi.org/10.1016/j.jtrangeo.2012.01.029">[More Information]</a>

Huang, A., Levinson, D. (2012). Accessibility, Network Structure, and Consumers' Destination Choice: a GIS Analysis of GPS Travel Data. *91st Annual Meeting of the Transportation Research Board*, Washington, DC, USA.

Huang, A., Levinson, D. (2012). Accessibility, Network Structure, and Consumers' Destination Choice: a GIS Analysis of GPS Travel Data in the Twin Cities. *International Conference of Travel Behavior Research*, Canada.

Zhu, S., Levinson, D. (2012). Disruptions to Transportation Networks: A Review. In David Levinson, Henry Liu, Michael Bell (Eds.), *Network Reliability in Practice: Selected Papers from the Fourth International Symposium on Transportation Network Reliability*, (pp. 5-20). New York: Springer. <a href="http://dx.doi.org/10.1007/978-1-4614-0947-2\_2">[More Information]</a>

Zhu, S., Levinson, D. (2012). Do people use the shortest path? An empirical test of Wardrop's first principle. *91st Annual Meeting of the Transportation Research Board*, Washington, DC, USA.

Junge, J., Levinson, D. (2012). Financing transportation with land value taxes: Effects on development intensity. *Journal of Transport and Land Use*, 5(1), 49-63. <a href="http://dx.doi.org/10.5198/jtlu.v5i1.148">[More Information]</a>

Levinson, D. (2012). Fix It First, Expand It Second, Reward It Third. *91st Annual Meeting of the Transportation Research Board*, Washington, DC, USA.

Levinson, D., Xie, F., Ocel, N. (2012). Forecasting and Evaluating Network Growth. *Networks and Spatial Economics*, 12(2), 239-262. <a href="http://dx.doi.org/10.1007/s11067-009-9113-z">[More Information]</a>

Tilahun, N., Levinson, D. (2012). Home Relocation and the Journey to Work. *International Conference of Travel Behavior Research*, Canada.

Fan, Y., Guthrie, A., Levinson, D. (2012). Impact of light-rail implementation on labor market accessibility: A transportation equity perspective. *Journal of Transport and Land Use*, 5(3), 28-39. <a href="http://dx.doi.org/10.5198/jtlu.v5i3.240">[More Information]</a>

Zhao, Z., Levinson, D. (2012). Introduction to the special issue on value capture for transportation finance. *Journal of Transport and Land Use*, 5(1), 1-3. <a href="http://dx.doi.org/10.5198/jtlu.v5i1.361">[More Information]</a>

Wasfi, R., Levinson, D., El-Geneidy, A. (2012). Measuring the transportation needs of seniors. *Journal of Transport Literature*, 6(2), 8-32.

Margiotta, R., Lomax, T., Qu, T., Dowling, R., Reinke, D., Levinson, D. (2012). *NCHRP 08-36, Task 102: Assessing Alternative Methods for Measuring Regional Mobility*, NCHRP 08-36, Task 102, (pp. 1 - 129). USA, United States of America: American Association of State Highway and Transportation Officials (AASHTO).

Levinson, D. (2012). Network structure and city size. *PloS One*, 7(1), 1-11. <a href="http://dx.doi.org/10.1371/journal.pone.0029721">[More Information]</a>

Parthasarathi, P., Hochmair, H., Levinson, D. (2012). Network structure and spatial separation. *Environment and Planning B: Planning and Design*, 39(1), 137-154. <a href="http://dx.doi.org/10.1068/b36139">[More Information]</a>

Parthasarathi, P., Levinson, D. (2012). Network Structure and Travel Time Perception. *International Conference of Travel Behavior Research*, Canada.

Junge, J., Levinson, D. (2012). Prospects for transportation utility fees. *Journal of Transport and Land Use*, 5(1), 33-47. <a href="http://dx.doi.org/10.5198/jtlu.v5i1.141">[More Information]</a>

Levinson, D., Zhu, S. (2012). The hierarchy of roads, the locality of traffic, and governance. *Transport Policy*, 19(1), 147-

154. <a href="http://dx.doi.org/10.1016/j.tranpol.2011.09.004">[More Information]</a>

Anderson, P., Owen, A., Levinson, D. (2012). The Time Between: Continuously-defined accessibility functions for schedule-based transportation systems. *LATSIS Conference*, Switzerland.

Huang, A., Levinson, D. (2012). To Game or Not To Game: Teaching Transportation Planning with Board Games. *91st Annual Meeting of the Transportation Research Board*, Washington, DC, USA.

Huang, A., Levinson, D. (2012). To Game or not To Game: Teaching Transportation Planning with Board Games. *Transportation Research Record*, 2307, 141-149. <a href="http://dx.doi.org/10.3141/2307-15">[More Information]</a>

Carrion, C., Levinson, D. (2012). Value of Travel Time Reliability: A review of current evidence. *91st Annual Meeting of the Transportation Research Board*, Washington, DC, USA.

Carrion, C., Levinson, D. (2012). Value of travel time reliability: A review of current evidence. *Transportation Research Part A*, 46(4), 720-741. <a href="http://dx.doi.org/10.1016/j.tra.2012.01.003">[More Information]</a>

## 2011

Carrion, C., Levinson, D. (2011). A Model of Bridge Choice Across the Mississippi River in Minneapolis. In David Levinson, Henry Liu, Michael Bell (Eds.), *Network Reliability in Practice: Selected Papers from the Fourth International Symposium on Transportation Network Reliability*, (pp. 115-129). New York: Springer. <a href="http://dx.doi.org/10.1007/978-1-4614-0947-2\_8">[More Information]</a>

Tilahun, N., Levinson, D. (2011). An Agent-Based Model of Worker and Job Matching. *1st World Symposium on Transport and Land Use Research*, Canada.

Levinson, D., Xie, F. (2011). Does first last? The existence and extent of first mover advantages on spatial networks. *Journal of Transport and Land Use*, 4(2), 47-69. <a href="http://dx.doi.org/10.5198/jtlu.v4i2.197">[More Information]</a>

Zhu, S., Xie, F., Levinson, D. (2011). Enhancing transportation education through online simulation using an agent-based demand and assignment model. *Journal of Professional Issues in Engineering Education and Practice*, 137(1), 38-45. <a href="http://dx.doi.org/10.1061/(ASCE)EI.1943-5541.0000038">[More Information]</a>

Xie, F., Levinson, D. (2011). Evaluating the effects of the I-35W bridge collapse on road-users in the twin cities metropolitan region. *Transportation Planning and Technology*, 34(7), 691-703. <a href="http://dx.doi.org/10.1080/03081060.2011.602850">[More Information]</a>

Khan, M., Levinson, D. (2011), *Fix It First, Expand It Second, Reward It Third: A New Strategy for America's Highways*.

Chi, G., Zhou, X., McClure, T., Gilbert, P., Cosby, A., Zhang, L., Robertson, A., Levinson, D. (2011). Gasoline Prices and Their Relationship to Drunk-Driving Crashes. *90th Annual Transportation Research Board Meeting TRB 2011*, United States: U.S. National Research Council, Transportation Research Board.

Chi, G., Zhou, X., McClure, T., Gilbert, P., Cosby, A., Zhang, L., Robertson, A., Levinson, D. (2011). Gasoline prices and

their relationship to drunk-driving crashes. *Accident Analysis and Prevention*, 43(1), 194-203. <a href="http://dx.doi.org/10.1016/j.aap.2010.08.009">[More Information]</a>

Chi, G., Cosby, A., Quddus, M., Gilbert, P., Levinson, D. (2011). Gasoline Prices and Traffic Safety in Mississippi. *90th Annual Transportation Research Board Meeting TRB 2011*, United States: U.S. National Research Council, Transportation Research Board.

Zhu, S., Levinson, D. (2011). Hierarchy of Roads, Locality of Traffic, and Governance. *90th Annual Transportation Research Board Meeting TRB 2011*, United States: U.S. National Research Council, Transportation Research Board.

Fan, Y., Guthrie, A., Levinson, D. (2011). Impact of Light-Rail Implementation on Labor Market Accessibility: Transportation Equity Perspective. *90th Annual Transportation Research Board Meeting TRB 2011*, United States: U.S. National Research Council, Transportation Research Board.

Iacono, M., Levinson, D. (2011). Location, regional accessibility, and price effects: Evidence from home sales in Hennepin County, Minnesota. *Transportation Research Record*, 2245, 87-94. <a href="http://dx.doi.org/10.3141/2245-11">[More Information]</a>

Iacono, M., Levinson, D. (2011). Location, Regional Accessibility, and Price Effects: Evidence from Twin Cities Home Sales. *90th Annual Transportation Research Board Meeting TRB 2011*, United States: U.S. National Research Council, Transportation Research Board.

Huang, A., Levinson, D. (2011). Modeling Minneapolis Skyway System. *90th Annual Transportation Research Board Meeting TRB 2011*, United States: U.S. National Research Council, Transportation Research Board.

Parthasarathi, P., Hochmair, H., Levinson, D. (2011). Network Structure and Activity Spaces. *90th Annual Transportation Research Board Meeting TRB 2011*, United States: U.S. National Research Council, Transportation Research Board.

Parthasarathi, P., Levinson, D. (2011). Network Structure and Metropolitan Mobility. *90th Annual Transportation Research Board Meeting TRB 2011*, United States: U.S. National Research Council, Transportation Research Board.

Parthasarathi, P., Hochmair, H., Levinson, D. (2011). Network Structure and Spatial Separation. *90th Annual Transportation Research Board Meeting TRB 2011*, United States: U.S. National Research Council, Transportation Research Board.

El-Geneidy, A., Levinson, D. (2011). Place Rank: Valuing Spatial Interactions. *Networks and Spatial Economics*, 11(4), 643-659. <a href="http://dx.doi.org/10.1007/s11067-011-9153-z">[More Information]</a>

Levinson, D., Huang, A. (2011). Positive Theory of Network Connectivity. *90th Annual Transportation Research Board Meeting TRB 2011*, United States: U.S. National Research Council, Transportation Research Board.

Schofer, J., Buxbaum, J., Clark, W., Duncan, D., Lawton, T., Levinson, D., Mitchell, R., Rosenbloom, S., Small, K., Taylor, B., et al (2011). *Special Report 303: Equity of Evolving Transportation Finance Mechanisms*, (pp. 1 - 196). Washington, USA, United States of America: Transportation Research Board Publications (TRB).

Levinson, D., Marion, B. (2011). The City Is Flatter: Changing Patterns of Job and Labor Access in Minneapolis-Saint Paul, 1995-2005. *90th Annual Transportation Research Board Meeting TRB 2011*, United States: U.S. National Research Council, Transportation Research Board.

Parthasarathi, P., Srivastava, A., Geroliminis, N., Levinson, D. (2011). The importance of being early. *Transportation*, 38(2), 227-247. <a href="http://dx.doi.org/10.1007/s11116-010-9301-1">[More Information]</a>

Zhu, S., Tilahun, N., He, X., Levinson, D. (2011). Travel Impacts and Adjustment Strategies of the Collapse and the Reopening of the I-35W Bridge. In David Levinson, Henry Liu, Michael Bell (Eds.), *Network Reliability in Practice: Selected Papers from the Fourth International Symposium on Transportation Network Reliability*, (pp. 21-36). New York: Springer. <a href="http://dx.doi.org/10.1007/978-1-4614-0947-2\_3">[More Information]</a>

Jenelius, E., Mattsson, L., Levinson, D. (2011). Traveler delay costs and value of time with trip chains, flexible activity scheduling and information. *Transportation Research Part B*, 45(5), 789-807. <a href="http://dx.doi.org/10.1016/j.trb.2011.02.003">[More Information]</a>

Jenelius, E., Mattsson, L., Levinson, D. (2011). Traveler delay costs and value of time with trip chains, flexible activity scheduling and information. *Transportation Research Part B*, 45(5), 789-807. <a href="http://dx.doi.org/10.1016/j.trb.2011.02.003">[More Information]</a>

Levinson, D. (2011). Value Capture Techniques for Transportation Finance. *90th Annual Transportation Research Board Meeting TRB 2011*, United States: U.S. National Research Council, Transportation Research Board.

Carrion, C., Levinson, D. (2011). Value of Reliability: High-Occupancy-Toll Lanes, General-Purpose Lanes, and Arterials. *90th Annual Transportation Research Board Meeting TRB 2011*, United States: U.S. National Research Council, Transportation Research Board.

Carrion, C., Levinson, D. (2011). Why Choose the New I-35W Mississippi River Bridge? *90th Annual Transportation Research Board Meeting TRB 2011*, United States: U.S. National Research Council, Transportation Research Board.

Huang, A., Levinson, D. (2011). Why retailers cluster: An agent model of location choice on supply chains. *Environment and Planning B: Planning and Design*, 38(1), 82-94. <a href="http://dx.doi.org/10.1068/b36018">[More Information]</a>

Tilahun, N., Levinson, D. (2011). Work and home location: Possible role of social networks. *Transportation Research Part A*, 45(4), 323-331. <a href="http://dx.doi.org/10.1016/j.tra.2011.01.004">[More Information]</a>