

DAVID S. HURWITZ, PhD

Associate Professor of Transportation Engineering
School of Civil and Construction Engineering, Oregon State University
101 Kearney Hall, Corvallis, OR 97331 | 541.737.9242 | david.hurwitz@oregonstate.edu

EDUCATION

Ph.D.	University of Massachusetts Amherst	Civil Engineering	2009
M.S.	University of Massachusetts Amherst	Civil Engineering	2006
B.S.	University of Massachusetts Amherst	Civil Engineering	2004

EXPERIENCE

Associate Director, Pacific Northwest Transportation Consortium (PacTrans)	2016 - Present
Director, OSU Driving and Bicycling Simulator Laboratory	2016 - Present
Associate Professor of Transportation Engineering, School of Civil and Construction Engineering, Oregon State University	2015 - Present
Assistant Professor of Transportation Engineering, School of Civil and Construction Engineering, Oregon State University	2009 - 2015
Graduate Teaching Assistant, Civil & Environmental Engineering, UMass Amherst	2007 - 2008
Director, Data Acquisition Transformation & Analysis, INC	2006 - 2009
Traffic Engineer, Vanasse Hangen Brustlin, INC	2006 - 2007
Managing Partner, Quality Data Collection, LLC	2005
Graduate Research Assistant, Civil & Environmental Engineering, UMass Amherst	2004 - 2009
Undergraduate Research Assistant, Civil & Environmental Engineering, UMass Amherst	2003 - 2004

AWARDS AND ACHIEVEMENT

Certificate of Appreciation, In recognition of outstanding efforts to organize and conduct the technical paper review process 98 th TRB Annual Meeting, <i>TRB Simulation and Measurement of Vehicle and Operator Performance (AND30)</i>	2019
OSU Faculty Teaching Excellence Award, <i>Oregon State University</i>	2018
Outstanding Transportation Educator 2017, <i>ITE Western District</i>	2018
SSO Adviser of the Year, OSU ITE Student Chapter, <i>Oregon State University</i>	2018
Award for Excellence, "Mitigation of Lane Departure Crashes in the PNW through Coordinated Outreach," <i>OSU Outreach and Engagement Vice Provost</i>	2018
Blue Ribbon Committee Award for organizing the traffic control devices challenge, Secretary, Traffic Control Devices (AHB50), <i>Transportation Research Board Technical Activities Council</i>	2018
Outstanding English Editing Chair Award, <i>17th Chinese Overseas Transportation Association (COTA) International Conference of Transportation Professionals (CICTP) 2017</i>	
Nominated, Honors College Outstanding Professor of the Year Award, <i>Undergraduate Honors College at Oregon State University</i>	2017

David S. Hurwitz

01/20/2019

Margaret and Thomas Meehan Honors College Eminent Mentor, <i>Undergraduate Honors College at Oregon State University</i>	2017
2016 Outstanding Reviewer, <i>ASCE Journal of Transportation Engineering, Part A: Systems</i>	2017
Recognized for years of dedicated service as a paper review coordinator, <i>TRB Simulation and Measurement of Vehicle and Operator Performance (AND30)</i>	2017
Innovation in Education Award, <i>ITE Transportation Education Council</i>	2016
Honorable Mention, <i>OSU Outreach and Engagement Vice Provost</i>	2015
ExCEED New Faculty Excellence in Teaching Award, <i>ASCE</i>	2014
ExCEED II Teaching Fellow, Florida Gulf Coast University, <i>ASCE</i>	2012
ExCEED Teaching Fellow, University of Colorado Boulder, <i>ASCE</i>	2010
President of the ITE Outstanding Student Chapter of the Year Award, <i>ITE</i>	2009
University Transportation Center Student of the Year, <i>USDOT</i>	2008
Student Essay Award Winner, <i>ITE Northeast District</i>	2008
Student Chapter Service Award, <i>UMass ITE Student Chapter</i>	2008
Desjardins Memorial Scholarship Award, <i>New England Section ITE</i>	2006
National Collegiate Scholar Award, <i>National Society of Collegiate Scholars</i>	2001
Alpha Lambda Delta, <i>National Honor Society for First-Year Students</i>	2001
Eagle Scout Award, <i>Boy Scouts of America</i>	1997

PUBLICATIONS [OSU students underlined; OSU students advised*]

Refereed Journal Publications

1. Abadi, M.G.*, **Hurwitz, D.**, Sheth, M., McCormack, E., & Goodchild, A. (Accepted 11/18/2019) "Factors Impacting Bicyclist Lateral Position and Velocity in Proximity to Commercial Vehicle Loading Zones: Application of a Bicycling Simulator," *Accident, Analysis, & Prevention*, Volume TBD, Pages TBD.
2. Abadi, M.G., Gestson, S., Brown, S., & **Hurwitz, D.** (accepted 1/14/18) "Traffic Signal Phasing Problem-Solving Rationales of Professional Engineers Developed from Eye-Tracking and Clinical Interviews," *Transportation Research Record: Journal of the Transportation Research Board*, Volume TBD, Number TBD, Pages TBD.
3. Wang, X., Yang, M., & **Hurwitz, D.** (2019) "Analysis of Cut-in Behavior Based on Naturalistic Driving Data," *Accident Analysis & Prevention*, Volume 124, 127-137.
<https://doi.org/10.1016/j.aap.2019.01.006>
4. Katathas, P., **Hurwitz, D.**, Parrish, C., & Zhang, Y. (2018) "A survey on road noise prediction for milled shoulder rumble strip designs," *International Journal of Vehicle Noise and Vibration*, Volume 14, Issue 3, 251-269.
<https://www.inderscienceonline.com/doi/abs/10.1504/IJVNV.2018.097211>
5. Jannat, M.*, **Hurwitz, D.**, Monsere, C., & Funk, K. (2018) "Situational Awareness as an explanatory mechanism for Right Hook Crashes," *Safety Science*, Volume 110, 92-101.
<https://www.sciencedirect.com/science/article/pii/S0925753517316107>
6. Horne, D.*, Abadi, M. G.*, & **Hurwitz, D.** (2018) "Bicycling Simulator Calibration: A Proposed Framework," *Transportation Research Record: Journal of the Transportation Research Board*, Volume 0, Number 0, Pages 1-8.
<http://journals.sagepub.com/eprint/qPj58B7KFaEkxwKртеFd/full>
7. Slocum, R., Adams, R., Buker, K.*, **Hurwitz, D.**, Mason, H. B., Parrish, C. & Scott, M. (2018) "Creating Earthquake Response Spectra with Desktop Learning Module Measurements," *Hardware X*, Volume 4. <https://doi.org/10.1016/j.ohx.2018.e00032>

8. Mason, H. B., **Hurwitz, D.**, Buker, K.*, Adams, R., Slocum, R., & Scott, M. H. (2018) "Increasing Student Understanding of Response Spectra: A Case for the Inductive Learning Approach," *Earthquake Spectra*, Volume 34, Issue 2, 459-469. <https://doi.org/10.1193/040417EQS0600>
9. Abadi, M. G.* & **Hurwitz, D.** (2018) "Promoting Bicyclist Perceived Level of Comfort in Dense Urban Environments: Influence of Ambient Traffic, Engineering Treatments and Bicyclist Characteristics," *Sustainable Cities and Society*, Volume 40, 101-109. <https://www.sciencedirect.com/science/article/pii/S2210670717315627>
10. Mohammed, H. A.*, **Hurwitz, D.**, & Smaglik, E. (2018) "Variable Driver Responses to Yellow Indications: An Operational Challenge and Safety Concern," *ITE Journal*, January, 44-49. <http://staging.nxtbook.com/ygsreprints/ITE/G86608 ITE Jan2018/stage.php#/48>
11. Jung, J., Olsen M., **Hurwitz, D.**, Kashani, A., & Buker, K.* (2018) "Evaluation of 3D Sight Distance at Unsignalized Intersections" *Transportation Research Part C: Emerging Technologies*, Volume 86, 563-597. <https://www.sciencedirect.com/science/article/pii/S0968090X17303650>
12. Abadi, M. G.*, **Hurwitz, D.**, Marnell, P., & Quayle S. (2017) "Evaluation of Red Light Extension Systems with Hardware-in-the-loop Simulation," *Transportation Letters*, 1-11. <http://www.tandfonline.com/doi/full/10.1080/19427867.2017.1336860>
13. Abadi, M. G.*, **Hurwitz, D.**, & Brown, S. (2017) "Influence of Context on Item-Specific Self-Efficacy and Competence of Engineering Students," *International Journal of Engineering Education*, Volume 33, Number 4, 1-10. <https://www.ijee.ie/contents/c330417.html>
14. Villanueva, K., Brown, S., Pitterson, N., **Hurwitz, D.**, & Sitomer, A. (2017) "Teaching Evaluation Practices in Engineering Programs: Current Approaches and Usefulness" *International Journal of Engineering Education*, Volume 33, Number 4, 1-18. <https://www.ijee.ie/contents/c330417.html>
15. Islam, M.*, Wyman, A.*, & **Hurwitz, D.** (2017) "Improved Driver Response to Phase Termination with Green Signal Countdown Timers," *Transportation Research Part F: Traffic Psychology and Behaviour*, Volume 51, 1-13. <http://www.sciencedirect.com/science/article/pii/S1369847816301292>
16. Abadi, M. G.*, Jashami, H.*, McCrea, S. A.*, & **Hurwitz, D.** (2017) "Evaluation of Right-of-Way Transitions at Signalized Intersections: Implications of Driver Behavior for Conflicting Through Movements," *Transportation Research Record: Journal of the Transportation Research Board*, Issue 2624, 48-57. <https://doi.org/10.3141/2624-06>
17. Warner, J.*, **Hurwitz, D.**, Monsere, C., & Fleskes, K.* (2017) "A simulator-Based Analysis of Engineering Treatments for Right-Hook Bicycle Crashes at Signalized Intersections," *Accident Analysis & Prevention*, Volume 104, 46-57. <http://www.sciencedirect.com/science/article/pii/S0001457517301586>
18. Abadi, M. G.*, **Hurwitz, D.**, & Brown, S. (2016) "Holistic and Iterative Development and Dissemination of Conceptual Traffic Signal Questions," *Journal of Professional Issues in Engineering Education and Practice*, ASCE, Volume 142, Issue 4. [http://ascelibrary.org/doi/abs/10.1061/\(ASCE\)EI.1943-5541.0000289](http://ascelibrary.org/doi/abs/10.1061/(ASCE)EI.1943-5541.0000289)
19. **Hurwitz, D.**, Young, R., Turochy, R., & Sanford Bernhardt, K. (2016) "Transportation Engineering Curriculum: An Analytic Review of the Literature," *Journal of Professional Issues in Engineering Education and Practice*, ASCE, Volume 142, Issue 3. <http://ascelibrary.org/doi/abs/10.1061/%28ASCE%29EI.1943-5541.0000275>
20. Neill, J.*, **Hurwitz, D.**, & Olsen, M. (2016) Alternative Information Signs: An Evaluation of Driver Comprehension and Visual Attention. *Journal of Transportation Engineering*, ASCE, Volume 142, Issue 1. <http://ascelibrary.org/doi/abs/10.1061/%28ASCE%29TE.1943-5436.0000807>

21. **Hurwitz, D.**, Miller, E., **Jannat, M.***, Boyle, L., Brown, S., Abdel-Rahim, A., & Wang, H. (2016) "Improving Teenage Driver Perceptions Regarding the Impact of Distracted Driving in the Pacific Northwest," *Journal of Transportation Safety & Security*, Volume 8, Issue 2, 148-163. <http://www.tandfonline.com/doi/full/10.1080/19439962.2014.997329>
22. **Islam, M.***, **Hurwitz, D.**, & Macuga, K. (2016) "Improved Driver Responses at Intersections with Red Signal Countdown Timers," *Transportation Research Part C: Emerging Technologies*, Volume 63, 207-221. <http://www.sciencedirect.com/science/article/pii/S0968090X15004246>
23. **Dong, S.**, Wang, H., **Hurwitz, D.**, Zhang, G., & Shi, J. (2015) "Nonparametric Modeling of Vehicle-type Specific Headway Distribution in Freeway Work Zones," *Journal of Transportation Engineering*, ASCE, Volume 141, Issue 11. [http://ascelibrary.org/doi/abs/10.1061/\(ASCE\)TE.1943-5436.0000788](http://ascelibrary.org/doi/abs/10.1061/(ASCE)TE.1943-5436.0000788)
24. **Hurwitz, D.**, Young, R., Turochy, R., & Sanford Bernhardt, K. (2015) "Transportation Engineering Instruction Practices: An Analytic Review of the Literature," *Transportation Research Record: Journal of the Transportation Research Board*, Issue 2480, 45-54. <http://trrjournalonline.trb.org/doi/pdf/10.3141/2480-06>
25. Wang, H., Li, Z., **Hurwitz, D.**, & Shi, J. (2015) "Parametric Modeling of the Heteroscedastic Traffic Speed Variance from Loop Detector Data," *Journal of Advanced Transportation*, Volume 49, Issue 2, 279-296. <http://onlinelibrary.wiley.com/doi/10.1002/atr.1258/full>
26. **Hurwitz, D.**, Monsere, C., **Marnell, P.***, & Paulsen, K. (2014) "Three- or Four-Section Displays for Permissive Left-Turns? Some Evidence from Simulator-Based Analysis of Driver Performance," *Transportation Research Record: Journal of the Transportation Research Board*, Issue 2463, 1-9. <http://trrjournalonline.trb.org/doi/pdf/10.3141/2463-01>
27. **Hurwitz, D.**, Brown, S., **Islam, M.***, Daratha, K., & Kyte, M. (2014) "Traffic Signal System Misconceptions across Three Cohorts: Novice Students, Expert Students, and Practicing Engineers," *Transportation Research Record: Journal of the Transportation Research Board*, Issue 2414, 52-62. <http://trrjournalonline.trb.org/doi/pdf/10.3141/2414-07>
28. **Hurwitz, D.**, **Swake, J.***, Brown, S., Young, R., Heaslip, K., Sanford Bernhardt, K., & Turochy, R. (2014) "Influence of Collaborative Curriculum Design on Educational Beliefs, Curriculum Development Networks and Classroom Practice in Transportation Engineering Education," *Journal of Professional Issues in Engineering Education and Practice*, ASCE, Volume 140, Issue 3. [http://ascelibrary.org/doi/abs/10.1061/\(ASCE\)EI.1943-5541.0000196](http://ascelibrary.org/doi/abs/10.1061/(ASCE)EI.1943-5541.0000196)
29. **Moore, D.*** & **Hurwitz, D.** (2013) "Fuzzy Logic for Improved Dilemma Zone Identification: A Driving Simulator Study," *Transportation Research Record: Journal of the Transportation Research Board*, Issue 2384, 25-34. <http://trrjournalonline.trb.org/doi/pdf/10.3141/2384-04>
30. **Hurwitz, D.**, Heaslip, K., Schrock, S., **Swake, J.***, **Marnell, P.***, **Tuss, H.*** & Fitzsimmons, E. (2013) "Implications of Distracted Driving on Startup Lost Time for Dual Left Turn Lanes," *Journal of Transportation Engineering*, ASCE, Volume 139, Issue 9, 923-930. <http://ascelibrary.org/doi/abs/10.1061/%28ASCE%29TE.1943-5436.0000569>
31. Turochy R., Fricker, J., Hawkins, G., **Hurwitz, D.**, Ivey, S., Knodler, M., & Young, R. (2013) "Assessment of the Introductory Transportation Engineering Course and the General Transportation Engineering Curriculum," *Transportation Research Record: Journal of the Transportation Research Board*, Issue 2328, 9-15. **[Receive a Practice-Ready Paper Designation]** <http://trrjournalonline.trb.org/doi/pdf/10.3141/2328-02>
32. **Hurwitz, D.**, Heaslip, K., & **Moore, D.*** (2012) "Relating Transportation Systems Management & Operations Strategies to Policy Goals: A Framework for Quantitative Decision Making," *Engineering Management Journal*, ASEM, Volume 24, Issue 3, 32-42. <http://www.tandfonline.com/doi/abs/10.1080/10429247.2012.11431945>

33. Evans, T., Heaslip, K., Boggs, W., **Hurwitz, D.**, & Gardiner, K. (2012) "Assessment of Sign Retroreflectivity Compliance for the Development of a Management Plan," *Transportation Research Record: The Journal of the Transportation Research Board*, Issue 2272, 103-112. <http://trrjournalonline.trb.org/doi/abs/10.3141/2272-12>
34. **Hurwitz, D.**, Knodler, M., Nyquist, B., **Moore, D.***, & **Tuss, H.*** (2012) "An Evaluation of the Effects Associated with Advanced Vehicle Detection Systems on Dilemma Zones," *ITE Journal*, Volume 82, Number 3, 24-28. <http://library.ite.org/pub/e2583119-2354-d714-5183-fbacb28125e6>
35. **Hurwitz, D.**, Wang, H., Knodler, M., Ni, D., & **Moore, D.*** (2012) "Fuzzy Sets to Describe Driver Behavior in the Dilemma Zone of High-Speed Signalized Intersections," *Transportation Research Part F: Traffic Psychology and Behavior*, Volume 15, Issue 2, 132-143. <http://www.sciencedirect.com/science/article/pii/S1369847811001021>
36. Bill, A., Beyerlein, S., Heaslip, K., **Hurwitz, D.**, Sanford Bernhardt, K., Kyte, M., & Young, R.K. (2011) "Development of Knowledge Tables and Learning Outcomes for an Introductory Course in Transportation Engineering," *Transportation Research Record: Journal of the Transportation Research Board*, Issue 2211, 27-35. <http://trrjournalonline.trb.org/doi/pdf/10.3141/2211-04>
37. **Hurwitz, D.**, Knodler, M., & Nyquist, B. (2011) "Evaluation of Driver Behavior in Type II Dilemma Zones at High-Speed Signalized Intersections," *Journal of Transportation Engineering*, ASCE, Volume 137, Issue 4, 277-286. [http://ascelibrary.org/doi/full/10.1061/\(ASCE\)TE.1943-5436.0000219](http://ascelibrary.org/doi/full/10.1061/(ASCE)TE.1943-5436.0000219)
38. Muttart, J., **Hurwitz, D.**, Pradhan, A., Fisher, D., & Knodler, M. (2011) "Developing an Adaptive Warning System for Backing Crashes in Different Types of Backing Scenarios," *Journal of Transportation Safety and Security*, Volume 3, Issue 1, 38-58. <http://www.tandfonline.com/doi/full/10.1080/19439962.2010.548909>
39. **Hurwitz, D.**, Pradhan, A., Fisher, D., Knodler, M., Muttart, J., Menon, R., & Meissner, U. (2010) "Backing Collisions: A Study of Drivers' Eye and Backing Behavior Using Combined Rear View Camera and Sensor Systems," *Injury Prevention*, Volume 16, Issue 2, 79-84. <http://injuryprevention.bmj.com/content/16/2/79.abstract>

Refereed Conference Publications

1. Jashami, H., **Hurwitz, D.**, Monsere, C., & Kothuri, S. (2019) "Evaluation of Driver Comprehension and Visual Attention of the Flashing Yellow Arrow Display for Permissive Right-Turns," *Transportation Research Board Annual Meeting Compendium*, Paper 19-06076.
2. Abadi, M.G.* & **Hurwitz, D.** (2019) "Operational Impacts of Protected-Permitted Right-Turn Phasing and Pavement Markings on Bicyclists Performance during Conflicts with Right-Turning Vehicles," 98th *Transportation Research Board Annual Meeting Compendium*, Paper 19-00784.
3. Sanford Bernhardt, K., Turochy, R.E., Young, R.K., & **Hurwitz, D.** (2019) "Building an Effective Community of Practice for Transportation Engineering Education," 98th *Transportation Research Board Annual Meeting Compendium*, Paper 19-02631.
4. Gestson, S., Lutz, B., Brown, S., Barner, M., **Hurwitz, D.**, Abadi, M.G.* (2018) "Developing an Understanding of Civil Engineering Practitioner Problem-Solving Rationale Using Multiple Contextual Representations," 125th *ASEE Annual Conference & Exposition Conference Compendium*, Salt Lake City, UT, June 24-27.
5. Estes, A., Ressler, S., Saviz, C., Barry, B., Considine, C., Coward, D., Dennis, N., Hamilton, S., **Hurwitz, D.**, Kunberger, T., Lenox, T., Nilson, T., Nolen, L., O'Brien, J., O'Neill, R., Saftner, D., Salyards, K., Welch, R. (2018) "Celebrating 20 Years of the ExCEED Teaching Workshop," 125th *ASEE Annual Conference & Exposition Compendium*, Salt Lake City, UT, June 24-27.

6. Wang, X., Yang, M., **Hurwitz, D.**, & Zhu, M. (2018) "An Exploration of Cut-in Behavior and Gap Acceptance using Shanghai Naturalistic Driving Data," 97th *Transportation Research Board Annual Meeting Compendium*, Paper 18-02562. <https://trid.trb.org/view/1495364>
7. **Abadi, M.G.***, **Hurwitz D.**, Marnell, P., & Quayle, S. (2017) "Towards Safer Signalized Intersections: Smarter Red Clearance Extension Systems," Road Safety & Simulation International Conference (RSS2017), The Hague, NL, Oct. 17-19.
8. **Jashami, H.***, **Abadi, M.G.***, & **Hurwitz, D.** (2017) "Factors Contributing to Self-Reported Cell Phone Usage by Younger Drivers in the Pacific Northwest," 9th International Driving Symposium on Human Factors in Driver Assessment training, and Vehicle Design, Manchester Village, VT, June 26-29.
http://drivingassessment.uiowa.edu/sites/default/files/DA2017/papers/23_DavidHurwitz_FactorsContributing_VersionA.pdf
9. **Jashami, H.***, **Hurwitz, D.**, Abdel-Rahim, A., Bham, G., Boyle, L., & Cofer, W. (2017) "Educating Teenage Drivers in the Pacific Northwest about Distracted Driving," 96th *Transportation Research Board Annual Meeting Compendium*, Paper 17-02233.
<https://trid.trb.org/view.aspx?id=1437945>
10. Young, R., Sanford Bernhardt, K., **Hurwitz, D.**, & Turochy, R. (2015) "What a Systematic Literature Review Tells us About Transportation Engineering Education," 122nd *ASEE Annual Conference & Exposition Conference Compendium*, Seattle, WA, June 14-17.
<https://www.asee.org/public/conferences/56/papers/12635/view>
11. **Islam, M.***, **Hurwitz, D.**, & Brown, S. (2014) "Identifying Traffic Signal System Misconceptions of Students and Practicing Engineers to Develop a Traffic Signal Concept Inventory," 121st *ASEE Annual Conference & Exposition Conference Compendium*, Indianapolis, IN, June 15-18.
<https://peer.asee.org/23203>
12. **Jannat, M.***, **Hurwitz, D.** & Brown, S. (2014) "Promoting the Adoption of Innovative Teaching Practices by Transportation Engineering Faculty in a Workshop," 121st *ASEE Annual Conference & Exposition Conference Compendium*, Indianapolis, IN, June 15-18. <https://peer.asee.org/22955>
13. **Dong, S.**, Wang, H., **Hurwitz, D.**, & Heaslip, K. (2014) "Vehicle-type Specific Headway Distribution in Freeway Work Zone: A Nonparametric Approach," *Transportation Research Board Annual Meeting Compendium*, Paper 14-4355. <https://trid.trb.org/view.aspx?id=1289334>
14. **Swake, J.***, **Hurwitz, D.**, **Neil, J.***, & Gambatese, J. (2014) "Influence of Mobile Barriers in Work Zones on Driver Behavior," 93rd *Transportation Research Board Annual Meeting Compendium*, Paper 14-2225. <http://trid.trb.org/view.aspx?id=1288205>
15. Sanford Bernhardt, K., **Hurwitz, D.**, Young, R., Bill, A., Brown, S., Heaslip, K., Kyte, M., **Swake, J.***, & Turochy, R. (2013) "A Model for Collaborative Curriculum design in Transportation Engineering Education," 120th *ASEE Annual Conference & Exposition Conference Compendium*, Atlanta, GA, June 23-26. <https://peer.asee.org/19082>
16. **Hurwitz, D.**, Brown, S., **Islam, M.***, & Daratha, K. (2013) "Mental Models of Students and Practitioners in the Development of an Authentic Assessment Instrument for Traffic Signal Engineering," 120th *ASEE Annual Conference & Exposition Conference Compendium*, Atlanta, GA, June 23-26. <https://peer.asee.org/22281>
17. **Swake, J.***, **Jannat, M.***, **Islam, R.*** & **Hurwitz, D.** (2013) "Driver Response to Phase Termination at Signalized Intersections: Are Driving Simulator Results Valid?," 7th *International Driving Symposium on Human Factors in Driver Assessment, Training, and Vehicle Design*, Bolton Landing, NY, June 17-20, 278-284.
http://drivingassessment.uiowa.edu/sites/default/files/DA2013/Papers/044_Swake_0.pdf

18. Marnell, P.*, Tuss, H.*, Hurwitz, D., Paulsen, K., & Monsere, C. (2013) "Permissive Left-Turn Behavior at the Flashing Yellow Arrow in the Presence of Pedestrians," *7th International Driving Symposium on Human Factors in Driver Assessment, Training, and Vehicle Design*, Bolton Landing, NY, June 17-20, 488-494.
http://drivingassessment.uiowa.edu/sites/default/files/DA2013/Papers/074_Marnell_0.pdf
19. Tupper, S., Knodler, M., Fitzpatrick, C., & Hurwitz, D. (2013) "Estimating Critical Gap— Comparison of Methodologies Using a Robust, Real-World Data Set," *92nd Transportation Research Board Annual Meeting Compendium*, Paper 13-5019.
<http://trid.trb.org/view/2013/C/1242932>
20. Hurwitz, D., Tuss, H.*, Olsen, M., Roe, G., & Knodler, M. (2013) "Transportation Applications for Mobile LIDAR: A State-of-the-Practice Questionnaire," *92nd Transportation Research Board Annual Meeting Compendium*, Paper 13-1606. <http://trid.trb.org/view.aspx?id=1241082>
21. Wang, H., Li, Z. Hurwitz, D., & Ni, D. (2012) "Traffic Speed Variance Modeling with Application in Travel Time Variability Estimation," *91st Transportation Research Board Annual Meeting Compendium*, Paper 12-2618. <http://trid.trb.org/view/2012/C/1129853>
22. Hurwitz, D., Knodler, M., Tuss, H.*, Swake, J.*, & Moore, D.* (2012) "An Evaluation of the Effects Associated with Advanced Vehicle Detection Systems on Dilemma Zone Protection," *91st Transportation Research Board Annual Meeting Compendium*, Paper 12-1143.
<http://trid.trb.org/view.aspx?id=1129078>
23. Young, R., Sanford Bernhardt, K., Beyerlein, S., Bill, A., Kyte, M., Heaslip, K., Hurwitz, D., & Nambisan, S. (2011) "A Nationwide Effort to Improve Transportation Engineering Education," *118th ASEE Annual Conference & Exposition Conference Compendium*, Vancouver, BC, June 26-29. <https://peer.asee.org/22281>
24. Tupper, S., Knodler, M., & Hurwitz, D. (2011) "Connecting Gap Acceptance Behavior with Crash Experience," *Proc. 3rd International Conference on Road Safety and Simulation Conference*, Indianapolis, IN, September 14-16, 1-18.
<http://onlinepubs.trb.org/onlinepubs/conferences/2011/RSS/1/Tupper,S.pdf>
25. Nabaee, S.*, Moore, D.*, & Hurwitz, D. (2011) "Revisiting Driver Behavior at Unsignalized Intersections: Time of Day Implications for Two Way Left Turn Lanes (TWLTL)," *Proc. 6th International Driving Symposium on Human Factors in Driver Assessment, Training, and Vehicle Design, Olympic Valley-Lake Tahoe, CA, June 27-30*, 440-446.
http://drivingassessment.uiowa.edu/sites/default/files/DA2011/Papers/063_NabaeeMoore.pdf
26. Hurwitz, D., Knodler, M., Nabaee, S.*, & Tuss, H.* (2011) "Driver Comprehension of the Circular Yellow Indication: Implications of Regional Variability," *90th Transportation Research Board Annual Meeting Compendium*, Paper 11-3065. <http://trid.trb.org/view.aspx?id=1092825>
27. Muttart, J., Hurwitz, D., Pradhan, A., Fisher, D., & Knodler, M. (2010) "Backing Acceleration and Response Time to an Audible Warning in a Field Test," *89th Transportation Research Board Annual Meeting Compendium*, Paper 10-2773. <http://trid.trb.org/view.aspx?id=910727>
28. Knodler, M., Hurwitz, D., & Rothenberg, H. (2008) "An Evaluation of Rationally Implemented Speed Limits on Collector Roadways," *87th Transportation Research Board Annual Meeting Compendium*, Paper 08-2757. <http://trid.trb.org/view.aspx?id=848747>
29. Hurwitz, D., & Knodler, M. (2007) "Static and Dynamic Evaluation of the Driver Speed Perception and Selection Process," *Proc. 4th International Driving Symposium on Human Factors in Driver Assessment, Training, and Vehicle Design, Stevenson, WA, July 9-12*, 358-364.
http://drivingassessment.uiowa.edu/DA2007/PDF/060_HurwitzKnodler.pdf
30. Hurwitz, D., Knodler, M., & Dulaski, D. (2005). "Speed Perception Fidelity in a Driving Simulator Environment," *Proc. Driving Simulator Conference North America*, Orlando, FL, Nov. 30-Dec. 2, 343-352. <http://www.nads-sc.uiowa.edu/dscna/2005/main.htm>

Conference Publications Refereed by Abstract

1. Mason H.B., Scott, M.H., **Hurwitz, D.**, Buker, K.*, and Adams, R.K. (2018) "An Inductive Learning Approach to Teaching Earthquake Response Spectra," *11th National Conference on Earthquake Engineering*, Los Angeles, CA, June 25-29.
2. **Hurwitz, D.** & Monsere C. (2018) "Safer Protected/Permitted Right-Turn Phasing for Drivers, Bicyclists, and Pedestrians," *ITE 2018 Western District Annual Meeting*, Keystone, CO, June 24-27.
3. Monsere, C. & **Hurwitz, D.** (2018) "Results from a Simulator-Based Analysis of Right-Hook Bicycle Crashes at Signalized Intersections," *11th International Co-operation on Theories and Concepts in Traffic Safety*, Vancouver, Canada, March 8th-9th.
4. Barlow, Z.*, **Hurwitz, D.**, & Gambatese, G. (2018) "Highway Worker Safety," *18th Road Safety on Five Continents*, Jeju Island, South Korea, May 16-18.
5. Barlow, Z.*, **Hurwitz, D.**, & Olsen, M. (2018) "Driver Distraction Due to Drones," *18th Road Safety on Five Continents*, Jeju Island, South Korea, May 16-18.
6. Abadi, M. G.*, Fleskes, K.*, Jashami, H.*, & **Hurwitz, D.** (2018) "Perceived Comfort Level of Bicyclists Traveling Near Truck Loading Zones in an Urban Environment," *97th Transportation Research Board Annual Meeting Compendium*, Paper 18-02144.
7. Horne, D.* & **Hurwitz, D.** (2017) "Calibration of a Bicycling Simulator" 6th International Cycling Safety Conference (ICSC), Davis, California Sept. 21-22.
8. Barlow, Z.*, Jamison, E., & **Hurwitz D.** (2017) "The Impact of Bridge and Road Developments on Rural Communities in the United States (1920-1950)," BRIDGE: The Heritage of Connecting Places and Cultures, Ironbridge Gorge World Heritage Site, July 6-10.
9. **Hurwitz, D.**, Monsere, C., Jannat, M.*, & Jennifer, W.* (2016) "Insights into the Right-Hook Crash at Signalized Intersections: Research Results from a Driving Simulator," *10th University Transportation Centers Spotlight Conference on Pedestrian and Bicycle Safety*, Washington, D.C., Dec. 1-2., 2016
10. **Hurwitz, D.**, Monsere, C., Jannat, M.*, Jennifer, W.* & Razmpa, A. (2016) "An Explanatory Mechanism for Right-hook Crashes at Signalized Intersections," *17th Road Safety on Five Continents*, Rio de Janeiro, Brazil, May 17-19. <http://vti.diva-portal.org/smash/get/diva2:927794/FULLTEXT01.pdf>
11. **Hurwitz, D.** & Mason, H. B. (2016) "Development and Implementation of Physical Models for Transportation Geotechnics," *ASEE PNW Section Annual Conference*, Boise, Idaho, March 31-April 2.
12. **Hurwitz, D.** Halston, T.*, Patrick, M.*, Chris, M. & Kirk, P. (2013) "Driver Reactions to the Flashing Yellow Arrow in the Presence of Pedestrians," *ITE 2013 Western District Annual Meeting*, Phoenix, AZ, July 14-17.
http://www.westernite.org/annualmeetings/13_Phoenix/Presentations/Session%204B%20-%20Marnell.pdf
13. Tuss, H.* & **Hurwitz, D.** (2011) "Efficiency Lost at Signalized Intersections from Distracted Driving," *ITE 2011 Western District Annual Meeting*, Anchorage, AK, July 10-13.
<http://www.westernite.org/annualmeetings/alaska11/Compendium/Moderated%20Session%20Papers/6C-Halston%20Tuss.pdf>
14. **Hurwitz, D.**, Chase, M., & Knodler, M. (2007) "Development of a Traffic Impact and Access Study Decision Matrix," *ITE 2007 Annual Meeting & Exhibition*, Pittsburgh, PA, August 5-8.
<http://library.ite.org/pub/e22d0282-2354-d714-51e0-629ba49803e8>

Research Reports

1. **Hurwitz, D., Horne, D.***, **Jashami, H.***, Monsere, M., & Kothuri, S. (In Press) Quantifying the Performance of Low-Noise Rumble Strips. Oregon Department of Transportation (ODOT), Salem, OR, 95p.
2. **Hurwitz, D., Fleskes, K.***, Abdel-Rahim, A., Belz, N., Boyle, L., Hajibabai, L. (In Press) Mitigation of Lane Departure Crashes in the Pacific Northwest through Coordinated Outreach (Phase III). Pacific Northwest Transportation Consortium (PacTrans), Seattle, WA, 30p.
3. **Hurwitz, D., Lancaster, T., & Layton, R.** (2018) Traffic Control Devices Program Review Toledo, Oregon, Local Technical Assistance Program, Corvallis, OR, 31p.
4. Chang, K., Warmbrodt, S., **Hurwitz, D.**, & **Simpson, E.*** (2018) Streamlining the Crash Reporting Process in the Pacific Northwest. Pacific Northwest Transportation Consortium (PacTrans), Seattle, WA, 108p. http://depts.washington.edu/pactrans/wp-content/uploads/2017/04/PacTrans_CrashReporting-Final.pdf
5. **Hurwitz, D., Abadi, M.G.***, McCormack, E., Goodchild, A., & Sheth, M. (2018) An Examination of the Impact of Increasing Commercial Parking Utilization on Cyclist Safety in Urban Environments. Pacific Northwest Transportation Consortium (PacTrans), Seattle, WA, 96p. http://depts.washington.edu/pactrans/wp-content/uploads/2015/11/2015-M-OSU-94_David-Hurwitz_An-Examination-of-the-Impact-of-Increasing-Commercial-Parking.compressed.pdf
6. **Hurwitz, D. & Abadi, M.G.*** (2018) Improved Safety and Efficiency of Protected/Permitted Right Turns in the Pacific Northwest. Pacific Northwest Transportation Consortium (PacTrans), Seattle, WA, 69p. http://depts.washington.edu/pactrans/wp-content/uploads/2015/11/2015_OSU_S_98-David-Hurwitz-Improved-Safe-and-Efficiency-of-Protected-or-Permitted-Right-Turns.pdf
7. **Hurwitz, D., Jashami, H.***, **Buker, K.***, Monsere, C., Kothuri, S., & Kading, A. (2018) Improved Safety and Efficiency of Protected/Permitted Right Turns in Oregon. Oregon Department of Transportation (ODOT), Salem, OR, 138p. <https://www.oregon.gov/ODOT/Programs/ResearchDocuments/SPR%20789%20Final%20Report.pdf>
8. **Hurwitz, D., Olsen, M., Barlow, Z.*** (2018) Driver Distraction Due to Drones. Oregon Department of Transportation (ODOT), Salem, OR, 100p. http://www.oregon.gov/ODOT/Programs/ResearchDocuments/Driving_Distraction_due_to_Drones.pdf
9. **Hurwitz, D., Barlow, Z.***, Abdel-Rahim, A., Belz, N., Boyle, L., Hajibabai, L. (2017) Mitigation of Lane Departure Crashes in the Pacific Northwest through Coordinated Outreach (Phase II). Pacific Northwest Transportation Consortium (PacTrans), Seattle, WA, 31p. http://depts.washington.edu/pactrans/wp-content/uploads/2015/11/2015-MO-OSU-105_David-Hurwitz_Mitigation-of-Lane-Departure.pdf
10. Gambatese, J., **Hurwitz, D.**, & **Barlow, Z.*** (2017) Highway Worker Safety. National Cooperative Highway Research Program (NCHRP) Synthesis Report, Washington, D.C., 149p. <http://www.trb.org/Publications/Blurbs/176006.aspx>
11. Olsen, M., **Hurwitz, D.**, Kashani, A., & **Buker, K.*** (2016) 3D Virtual Sight Distance Analysis using Lidar Data. Pacific Northwest Transportation Consortium (PacTrans), Seattle, WA, 87p. http://depts.washington.edu/pactrans/wp-content/uploads/2015/03/2015-S-OSU-81_Michael-Olsen_3D-Virtual-Sight.compressed.pdf

12. **Hurwitz, D., Abadi, M.* , McCrea, S.* ,** Quayle, S. & Marnell, P. (2016) Smarter Red Clearance Extension Systems. Oregon Department of Transportation (ODOT), Salem, OR, 139p. http://www.oregon.gov/ODOT/TD/TP_RES/docs/Reports/2016/SPR773_Smart_Red_Clearance.pdf
13. **Hurwitz, D., Barlow, Z.* ,** Abdel-Rahim, A., Belz, N., Boyle, L., Hajibabai, L. (2016) Mitigation of Lane Departure Crashes in the Pacific Northwest through Coordinated Outreach (Phase I). Pacific Northwest Transportation Consortium (PacTrans), Seattle, WA, 31p. http://depts.washington.edu/pactrans/wp-content/uploads/2015/03/2015-MO-OSU-84_David-Hurwitz_Mitigation-of-Lane.pdf
14. **Hurwitz, D.,** Boyle, L., Abdel-Rahim, A., Bham, G., & Cofer, W. (2015) Educating Teenage Drivers in the Pacific Northwest Regarding the Dangers of Distracted Driving - Phase II. Pacific Northwest Transportation Consortium (PacTrans), Seattle, WA, 29p. <http://depts.washington.edu/pactrans/wp-content/uploads/2013/11/PacTrans-28-OSU-Hurwitz-et-al.pdf>
15. **Hurwitz, D. &** Brown, S. (2015) Collaborative Research: Mental Models of Students and Practitioners in the Development of an Authentic Assessment Instrument for Traffic Signal Engineering. National Science Foundation (NSF), Washington, D.C.
16. **Hurwitz, D., Jannat, M.* , Warner, J.* ,** Monsere, C., & Razmpa, A. (2015) Towards Effective Design Treatment for Right-Turns at Intersections with Bicycle Traffic. Oregon Department of Transportation (ODOT), Salem, OR, 211p. http://www.oregon.gov/ODOT/TD/TP_RES/docs/Reports/2015/SPR767_FinalReport_070815.pdf
17. **Hurwitz, D.,** Olsen, M., and **Neil, J.*** (2015) Alternative Information Signs: An Evaluation of Driver Comprehension and visual Attention. Pacific Northwest Transportation Consortium (PacTrans) and Travel Oregon, Seattle, WA, 75p. <http://depts.washington.edu/pactrans/wp-content/uploads/2013/11/PacTrans-29-OSU-Hurwitz-et-al1.pdf>
18. **Hurwitz, D.,** Boyle, L., Abdel-Rahim, A. & Brown, S. (2014) Educating Teenage Drivers in the Pacific Northwest Regarding the dangers of Distracted Driving - Phase I. Pacific Northwest Transportation Consortium (PacTrans), Seattle, WA, 20p. <http://depts.washington.edu/pactrans/wp-content/uploads/2012/12/PacTrans-7-739437-Hurwitz-David-Multi-Outreach.pdf>
19. **Hurwitz, D.,** Olsen, M., **Marnell, P.* ,** & **Mahmoudabadi, H.** (2013) Rendering of Dense, Point Cloud Data in a High Fidelity Driving Simulator. Pacific Northwest Transportation Consortium (PacTrans), Seattle, WA, 26p. <http://depts.washington.edu/pactrans/wp-content/uploads/2012/12/PacTrans-10-739437-Hurwitz-David-Small-Project.pdf>
20. **Hurwitz D.** (2013) Active Learning Modules for Human Factors. Oregon Transportation Research and Education Consortium (OTREC), OTREC-ED-13-03, Portland, OR, 8p.
21. **Hurwitz D.** (2013) Transportation Educators Conference: Advancement of the National Curriculum Project. National Science Foundation (NSF), Washington, D.C. https://pdxscholar.library.pdx.edu/cgi/viewcontent.cgi?referer=https://www.google.com/&httpsredir=1&article=1051&context=trec_reports
22. **Hurwitz D.,** Monsere, M., **Tuss, H.* ,** Paulsen, K. & **Marnell, P.*** (2013) Improved Pedestrian Safety at Signalized Intersections Operating the Flashing Yellow Arrow. Oregon Transportation Research and Education Consortium (OTREC), OTREC-RR-13-02, Portland, OR. 66p. http://nitc.trec.pdx.edu/research/project/484/Improved_Pedestrian_Safety_at_Signalized_Intersections_Operating_the_Flashing_Yellow_Arrow
23. Olsen, J., Roe, G., Glennie, C., Persi, F., Reedy, M., **Hurwitz, D.,** **Williams, K.,** **Tuss, H.* ,** Sequellati, A., Knodler, M. (2013) Final Report 748 Guidelines for the Use of Mobile LIDAR in Transportation Applications. National Cooperative Highway Research Program, Washington, D.C, 194p. <http://www.trb.org/Publications/Blurbs/169111.aspx>

24. Moore, D.* & Hurwitz, D. (2012) Analysis of the SCATS System on U.S. 97 and OR 126 in Bend and Redmond. Kittelson & Associates, Inc., Portland, OR, 117p.
25. Moore, D.*, Tuss, H.*, Swake, J.*, Talley, I.*, & Hurwitz, D. (2012) Analysis of the INSYNC System on NE Cornell Road. Kittelson & Associates, Inc., Portland, OR, 77p.
26. Knodler, M., & Hurwitz, D. (2008) Dilemma Zone Issues at High-speed Signalized Intersections. Vermont Agency of Transportation, Montpelier, VT, 55p.
http://vtransplanning.vermont.gov/sites/aot_program_development/files/documents/materials_andresearch/completedprojects/Dilemma_Zone_Final_Report_6_19_09.pdf
27. Knodler, M. & Hurwitz, D. (2008) UMass Amherst Summer Transportation Institute Final Report. Massachusetts Executive Office of Transportation and Public Works, Boston, MA.
28. Knodler, M. & Hurwitz, D. (2008) "Demonstration and Evaluation of Rational Speed Limits Project Report (Supplemental)," Federal Highway Administration, Washington D.C.
29. Fisher, D., Hurwitz, D., Pradhan, A., & Knodler, M. (2008) "Impact of Rear Mounted Camera on Backing Collisions," The Center for Injury Research and Prevention at the Children's Hospital of Philadelphia, Philadelphia, PA.
30. Hymoff, C., Knodler, M., Hurwitz, D., & Rothenberg, H. (2007) "Rational Speed Limit Demonstration Project," Massachusetts Governor's Highway Safety Bureau and Federal Highway Special Administration, Washington, D.C.

PRESENTATIONS

Conferences and Professional Organizations

1. **Invited**, PacTrans Annual Meeting, Fairbanks, AK, *Can Drone Operations Near Roadways Contribute to Driver Distraction?*, October 12, 2018
2. **Invited (co-presented with Chris Monsere)**, Oregon Traffic Control Devices Committee Meeting, Salem OR, *Improved Safety and Efficiency of Protected/Permitted Right Turns in Oregon*, July 20, 2018
3. **Invited (co-presented with Masoud Ghodrati Abadi)**, 3rd Transportation Engineering Education Workshop at Auburn University, Auburn, AL, *Investigation of Context Across Engineering Domains: Bridging the Eye-Mind Divide*, May 22-23, 2018
4. **Invited**, Mid-Continent Transportation Research Symposium at Iowa State University, Ames, IA, *Evaluation of Red Clearance Extension Designs with Hardware-in-the-Loop Simulation*, August 16-17, 2017
5. **Invited**, 17th COTA International Conference of Transportation Professionals CICTP 2017 at Tongji University, Shanghai, China, *Improved Driver Responses with Green and Red Signal Countdown Timers*, July 7-9, 2017
6. **Invited**, OSU ASCE Student Chapter Speaker Meeting, Corvallis, OR, *Causal Factors of Right-Hook Crashes in Oregon*, February 16, 2016.
7. **Invited**, Innovative Methods in Transportation Education Workshop at the TRB in Washington D.C. *Incorporating Mental Models of Students and Practitioners in the Development of Assessment Instruments*, January 10, 2016.
8. **Invited**, Work Zone Executive Strategy Session in Salem, OR, *Work Zone Safety Research*, December 7, 2015.
9. **Invited**, Walking and Bicycling Issues Subgroup of the Traffic Operations Leadership Team in Salem, OR, *Towards the Mitigation of Right-Hook Crashes at Signalized Intersections in Oregon*, November 17, 2015.

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10. **Invited**, Symposium on Creative Transportation Engineering Education at Beijing University of Technology in Beijing, China, *Transportation Engineering Curriculum and Instructional Practices: An Analytic Review of the Literature*, August 1, 2015.
11. **Invited**, 15th COTA International Conference of Transportation Professionals CICTP 2015 at Beijing Jiaotong University in Beijing, China, *Driving Simulator Evaluation of Alternative Information Signs in Oregon*, July 27, 2015
12. **Invited**, ExCEED Teaching Workshop at Florida Gulf Coast University in Fort Myers, FL, *Making ExCEED Work at Oregon State University*, July 26, 2015.
13. **Invited**, OSU Gerontology Conference in Corvallis, OR, *Driving Simulation as an Experimental Mechanism to Study Older Drivers*, April 3, 2015. (*Participant Feedback: 4.75/5 Quality of Content, 5/5 Relevance of Content, and 4.88/5 Quality of Presentation*)
14. **Invited**, Oregon ITE Luncheon in Portland, OR, *Driver Response to Countdown Timers*, October 16, 2014.
15. **Invited**, Oregon Transportation Summit in Portland, OR, *Driver Related Causal Factors for Right Hook Crashes*, September 15, 2014.
16. **Invited**, ExCEED Teaching Workshop at United States Military Academy in West Point, NY, *Making ExCEED Work at Oregon State University*, July 25, 2014.
17. **Invited**, ExCEED Teaching Workshop at Florida Gulf Coast University in Fort Myers, FL, *Making ExCEED Work at Oregon State University*, July 26, 2013.
18. **Invited**, ITE District 1 Annual Meeting in Northampton, MA, *Integration of Professional Practice into Undergraduate Transportation Curriculum*, May 22, 2013.
19. **Invited**, Oregon ITE Winter Technical Workshop ODOT Region 1 Offices in Portland, OR, *Driver Glance Patterns in Response to Concurrent Pedestrians during PPLT Phasing*, February 6, 2013.
20. **Invited**, Oregon Transportation Summit in Portland, OR, *Driving and Bicycling Simulator Research at OSU*, September 9, 2011.
21. **Invited**, TransPort Technical Advisory Committee Meeting at ODOT Region 1 in Portland, OR, *OSU Driving and Bicycling Simulator: Infrastructure & Active Research*, August 10, 2011
22. **Invited**, Educating Transportation Engineers Workshop at the TRB 90th Annual Meeting in Washington D.C., *Behavior and Human Factors in the Introduction to Transportation Class*, January 23, 2011
23. **Invited**, Northwest Transportation Conference at Oregon State University in Corvallis, OR, *The Role of Rational Speed Limits in Traffic Calming*, February 10, 2010.
24. **Invited**, ITE District 1 Annual Meeting in Providence, RI, *The relationship between Traffic Calming and Rational Speed Limits*, May 2007
25. **Invited**, New England ITE Section Annual Meeting in Warwick, RI, *Evaluation of the Driver Speed Perception and Selection Processes*, December 2005

Webinars

1. **Invited (co-presented with Chris Monsere)**, National Webinar (214 site logins) hosted by the UNC Highway Safety Research Center, *Driver Response at Signalized Intersections Operating the Flashing Yellow Arrow: Results From a Driving Simulator Experiment*, October 25, 2018.
2. **Invited (co-presented with John Gambatese)**, National Webinar (427 views in first month) hosted by the National Cooperative Highway Research Program, *Transportation Worker Safety Program Resources and Practices*, September 26, 2017.
3. **Invited**, National Webinar (270 site logins) hosted by OTREC in Portland, OR, *Driver Behavior in the Presence of Pedestrians at Signalized Intersections Operating the FYA*, May 7, 2013.

Seminars and Presentations

1. **Invited (co-presented with Chris Monsere)**, Transportation Seminar Series at Portland State University in Portland, OR, Improved Safety and Efficiency of Protected/Permitted Right Turns in Oregon, November 26, 2018.
2. **Invited**, Lunch Presentation on Connected Signals in Eugene, OR, Consideration of Traffic Signal Countdown Timers, November 22, 2017.
3. **Invited (co-presented with Chris Monsere)**, Transportation Seminar Series at Portland State University in Portland, OR, Towards the Mitigation of Right-Hook Crashes at Signalized Intersections in Oregon, February 5, 2016.
4. **Invited**, Faculty Research Presentations to for the COE Alumni Fellow at Oregon State University, Corvallis, OR, Transportation Operations and Safety Research, October 23, 2015.
5. **Invited**, Seminar at Kittelson & Associates, Inc. in Portland, OR, Transportation Engineering at Oregon State University, April 22, 2014.
6. **Invited**, Transportation Seminar Series at Washington State University in Pullman, WA, Fuzzy Logic to Model the Dilemma Zone at High-Speed Signalized Intersections, March 26, 2012.
7. **Invited**, Guest lecture - Intro to transportation at Washington State University in Pullman, WA, Driver Behavior at Signalized Intersections, March 26, 2012.
8. **Invited**, Seminar at Kittelson & Associates, Inc. in Portland, OR, OSU Driving and Bicycling Simulator: Infrastructure & Active Research, August 10, 2011.
9. **Invited**, Transportation Seminar Series at Portland State University in Portland, OR, Driver Behavior and the Dilemma Zone at High-Speed Signalized Intersections, April 2, 2010.
10. **Invited**, Transportation Seminar Series at the University of Massachusetts Amherst in Amherst, MA, Introduction to Intersection Modeling, October 2005.

Participation at Invitational Workshops

1. **Presenter**, Innovative Methods in Transpo. Edu. Workshop, Washington, D.C., January 10, 2016.
2. **Presenter**, Symposium on Creative Transportation Engin. Edu., Beijing, China, August 1, 2015.
3. **Attendee**, Post Summit Workshop of CICTP, COTA, Chengdu, China, July 29, 2015.
4. **Attendee**, TUES Program PI Conference, NSF, Washington, D.C., January 23-24, 2013.
5. **OTREC Delegate**, ITS JPO Strategic Research Plan Univ. Workshop, Washington, D.C., April 2010.
6. **Attendee**, Transpo. Educators Conference, NIATT & OTREC, Portland, OR, June 22-24, 2009.

EXTERNAL SUPPORT

Current

1. **Hurwitz, D.** Washington County. "Forming a research collaboration with Washington County," 01/01/2019 to 09/30/2019, \$90,000 (Total); \$90,000 (Hurwitz)
2. Cobb, D., Symoun, J., Barron, T., & **Hurwitz, D.** National Highway Traffic Safety (NHTSA) "Impact Analysis of Bicycle Safety Laws" TBD. \$222,368 (Total); \$14,000 (Hurwitz)
3. Monsere, C. Kothuri, S., **Hurwitz, D.**, & Fink, C. "NCHRP Project 20-07, Research for AASHTO Standing Committee on Highways Task 420: Road User Understanding of Bicycle Signal Faces on Traffic Signals," 10/11/2018 to 11/05/2019, \$100,000 (Total); \$21,000 (Hurwitz)
4. Monsere, C., Kothuri, S., & **Hurwitz, D.** ODOT "Bicycle Feedback Detection Device and the Accompanying Sign" Total," 09/01/2018 to 03/31/2020, \$165,000 (Total); \$81,000 (Hurwitz)
5. Monsere, C., Kothuri, S., & **Hurwitz, D.** ODOT "Reversing Oregon's Rise in Deaths and Serious Injuries for Senior Drivers and Pedestrians," 09/01/2018 to 03/31/2020, \$175,000 (Total); \$77,000 (Hurwitz)

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6. **Hurwitz, D.**, Funk, K., and Macuga, K., Sub to ToXcel. National Highway Traffic Safety Administration (NHTSA). "Human Factors ID/IQ" 09/01/2018 to 08/31/2023
7. **Hurwitz, D.** (PI) Pacific Northwest Transportation Consortium (PacTrans) "OSU Administrative Account – Mobility Center yr 2," 09/16/2018 to 09/15/2020, \$59,170 (Total); \$59,170 (Hurwitz)
8. Abdel-Rahim, A., **Hurwitz, D.**, Ban, J., Connor, B., & Hajbabaie, A., Pacific Northwest Transportation Center (PacTrans) "Characterization of Underserved Population Perceptions and Mobility Needs in Connected-Vehicle and Smarter City Environments – Phase I & II," 09/16/2017 to 09/15/2020, \$350,000 (Total); \$65,000 (Hurwitz)
9. **Hurwitz, D.** (PI) Pacific Northwest Transportation Consortium (PacTrans) "OSU Administrative Account – Mobility Center yr 1," 09/16/2017 to 09/15/2019, \$59,170 (Total); \$59,170 (Hurwitz)
10. Parrish, C., **Hurwitz, D.** Sorour, S., Abdel-Rahim, A. Pacific Northwest Transportation Consortium (PacTrans). "Airborne LIDAR Scanning and Deep Learning System for Real-Time Event Extraction and Control Policies in Urban Transportation Networks," 09/16/2017 to 09/15/2019, \$180,000 (Total) \$20,000 (Hurwitz)
11. MaCormack, E. (PI @ UW), Goodchild, A. (Co-PI @ UW), & **Hurwitz, D.** (Co-PI), Pacific Northwest Transportation Consortium (PacTrans). "An Examination of the Impact of Increasing Commercial Parking Utilization on Cyclist Safety in Urban Environments," 09/16/2017 to 09/15/2019, \$180,000 (Total); \$90,000 (Hurwitz)
12. **Hurwitz, D.** (PI), Brown, S. (Co-PI @ OSU), and Cox, D. (Co-PI @ OSU) National Science Foundation (NSF). "Investigation of Context Across Engineering Domains: Bridging the Eye-Mind Divide," 10/01/2015 to 09/30/2019, \$300,000 (Total); \$185,500 (Hurwitz)
13. Noyce, D., Knodler, M., **Hurwitz, D.**, and Brehmer, C. National Cooperative Highway Research Program (NCHRP) "NCHRP 03-125: Evaluation of Change9 and Clearance Intervals Prior to the Flashing Yellow Arrow Permissive Left-Turn Indication," 06/01/2017 to 12/30/2019, \$300,000 (Total); \$46,500 (Hurwitz)

Completed

1. **Hurwitz, D.** & Gambatese, J. (ODOT) "Blue Lights in Work Zones" 06/01/2018 to 12/30/2018, \$102,970 (Total); \$48,956 (Hurwitz)
2. **Hurwitz, D.** (ODOT) "Transverse SRS Study" 07/01/2018 to 12/30/2018, \$15,000 (Total); \$15,000 (Hurwitz)
3. **Hurwitz, D.** and Monsere, C. Oregon Department of Transportation (ODOT) "Quantifying the Performance of Low-Noise Rumble Strips," 03/01/2017 to 12/30/2018, \$180,000 (Total); \$110,000 (Hurwitz)
4. **Hurwitz, D.** Pacific Northwest Transportation Center (PacTrans) "Bicycle Simulator Calibration: Development and Dissemination of a Proposed Framework" 04/01/2018 to 09/15/2018, \$10,000 (Total); \$10,000 (Hurwitz)
5. Chang, K., Lowry, M., and **Hurwitz, D.** Pacific Northwest Transportation Consortium (PacTrans) "Streamlining the Crash Reporting Process in the Pacific Northwest" 12/15/2016 to 06/15/2018, \$120,000 (Total); \$40,000 (Hurwitz)
6. **Hurwitz, D.** (PI) Pacific Northwest Transportation Consortium (PacTrans) "OSU Administrative Account – Safety Center yr 5," 12/15/2016 to 12/14/2018, \$64,875 (Total); \$64,875 (Hurwitz)
7. **Hurwitz, D.** (Co-PI) and Monsere, C. (Co-PI @ PSU) Oregon Department of Transportation (ODOT). "Improved Safety and Efficiency of Protected/Permitted Right Turns in Oregon," 10/01/2015 to 02/30/2018, \$160,000 (Total); \$90,000 (Hurwitz)

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8. **Hurwitz, D.** (PI), McCormack, E. (Co-PI @ UW), & Goodchild, A. (Co-PI @ UW) Pacific Northwest Transportation Consortium (PacTrans). "An Examination of the Impact of Increasing Commercial Parking Utilization on Cyclist Safety in Urban Environments," 01/01/2016 to 12/15/2018, \$180,000 (Total); \$94,000 (Hurwitz)
9. **Hurwitz, D.** (PI) "Improved Safety and Efficiency of Protected/Permitted Right Turns in the Pacific Northwest," Pacific Northwest Transportation Consortium (PacTrans). 01/01/2016 to 12/15/2018, \$21,222(Total); \$21,222 (Hurwitz)
10. **Hurwitz, D.** (PI), Boyle, L. (Co-PI @ UW), Hajibabai, L. (Co-PI @ WSU), Belz, N. (Co-PI @ UAF), & Abdel-Rahim, A. (Co-PI @ UI) Pacific Northwest Transportation Center (PacTrans) "Mitigation of Lane Departure Crashes in the Pacific Northwest Through Coordinated Outreach - Phase III," 12/15/2016 to 01/15/2018, \$165,000 (Total); \$41,000 (Hurwitz)
11. **Hurwitz, D.** (PI) and Olsen, M. (Co-PI @ OSU) Oregon Department of Transportation (ODOT) and Oregon State University (OSU) "Driver Distraction Due to Drones," 01/01/2017 to 12/30/2017, \$94,876 (Total); \$77,236 (Hurwitz)
12. **Hurwitz, D.** (PI) Pacific Northwest Transportation Consortium (PacTrans) "OSU Administrative Account – yr 4" 01/01/2016 to 06/15/2017, \$64,875 (Hurwitz)
13. **Hurwitz, D.** (PI), Boyle, L. (Co-PI @ UW), Hajibabai, L. (Co-PI @ WSU), Belz, N. (Co-PI @ UAF), & Abdel-Rahim (Co-PI @ UI), A. Pacific Northwest Transportation Center (PacTrans) "Mitigation of Lane Departure Crashes in the Pacific Northwest Through Coordinated Outreach - Phase II," 12/15/2016 to 6/15/2017, \$175,000 (Total); \$45,000 (Hurwitz)
14. **Hurwitz, D.** (PI), Boyle, L. (Co-PI @ UW), Hajibabai, L. (Co-PI @ WSU), Belz, N. (Co-PI @ UAF), & Abdel-Rahim, A. Pacific Northwest Transportation Center (PacTrans) "Mitigation of Lane Departure Crashes in the Pacific Northwest Through Coordinated Outreach - Phase I," 1/1/2015 to 12/15/2016, \$175,000 (Total); \$45,000 (Hurwitz)
15. Olsen, M. (Co-PI @ OSU), Kashani, A. (Co-PI @ OSU), & **Hurwitz, D.** (Co-PI) Pacific Northwest Transportation Center (PacTrans). "3D Virtual Sight Distance Analysis Using Mobile Lidar Data," 01/15/2015 to 12/15/2016, \$30,000 (Total); \$15,000 (Hurwitz)
16. Gambatese, J. (Co-PI @ OSU) and **Hurwitz, D.** (Co-PI) NCHRP Synthesis. "Transportation Worker Safety," 12/02/2015 to 11/30/2016, \$45,000 (Total); \$22,500 (Hurwitz)
17. **Hurwitz, D.** (Co-PI) and Olsen M. (Co-PI @ OSU) Pacific Northwest Transportation Consortium (PacTrans). "i sign interactive website development," 12/01/2015 to 2/15/2016, \$4,000 (Total); \$2,000 (Hurwitz)
18. **Hurwitz, D.** (PI) Oregon Department of Transportation (ODOT). "Optimal Timing and Detection Practices for Red Clearance Extensions to Reduce Red Light Running," 7/1/14 to 12/30/15, \$160,000 (Hurwitz)
19. **Hurwitz, D.** (PI) Oregon Department of Transportation (ODOT). "Northwest Transportation Conference Featured Speakers," 2/14/2014-4/14/2014, \$12,500 (Hurwitz)
20. **Hurwitz, D.** (PI) & Olsen, M. (Co-PI @ OSU). Travel Oregon & Pacific Northwest Transportation Consortium (PacTrans). "Evaluation of Existing and Alternative Information Signs in Oregon," 7/1/2013 to 12/30/2014, \$60,000 (Total) \$50,000 (Hurwitz)
21. **Hurwitz, D.** (PI), Boyle, L. (Co-PI @ UW), Abdel-Rahim, A. (Co-PI @ UI), Bham, G. (Co-PI @ UAA) Pacific Northwest Transportation Consortium (PacTrans). "Educating Teenage Drivers in the Pacific Northwest Regarding the Dangers of Distracted Driving - Phase II," 7/1/2013 to 6/30/2014, \$225,000 (Total); \$70,000 (Hurwitz)
22. Brown, S. (PI @ WSU) & **Hurwitz, D.** (Co-PI), Abdel-Rahim, A. (Co-PI @ UI), Hallenbeck, M. (Co-PI @ UW) & Perkins, R. (Co-PI @ UAF) Pacific Northwest Transportation Consortium (PacTrans). "Digital Dissemination Platform of Transportation Educational Materials Founded in Adoption Research - Phase II," 7/1/2013 to 12/30/2014, \$225,000 (Total); \$8,402 (Hurwitz)

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23. **Hurwitz, D.** (Co-PI), Monsere, C. (Co-PI). Oregon Department of Transportation (ODOT). "Toward Effective Design Treatments for Right-Turns at Intersections with Bicycle Traffic," 9/1/2013 to 6/30/2015 \$150,000 (Total); \$80,000 (Hurwitz)
24. Higgins, Chris (PI @ OSU) & **Hurwitz, D.** (Investigator) Oregon Transportation Research and Education Consortium (OTREC) "OTREC Leadership & Coordination" 11/12/2012 to 6/30/2013, \$2,500 (Hurwitz)
25. **Hurwitz, D.** (PI) & Olsen, M. (Co-PI @ OSU). Pacific Northwest Transportation Consortium (PacTrans). "Rendering of Dense, Point Cloud Data in a High Fidelity Driving Simulator," 7/1/2012 to 12/30/2013, \$40,000 (Total); \$20,000 (Hurwitz)
26. **Hurwitz, D.** (PI) National Science Foundation (NSF). "Transportation Educators Conference: Advancement of the National Curriculum Project," 5/1/2012 to 12/30/2012, \$29,987 (Total)
27. Brown, S. (PI @ WSU), **Hurwitz, D.** (Co-PI), Kyte, M. (Co-PI @ UI), Hallenbeck, M. (Co-PI @ UW) & Perkins, R. (Co-PI @ UAF) Pacific Northwest Transportation Consortium (PacTrans). "Digital Dissemination Platform of Transportation Educational Materials Founded in Adoption Research," 7/1/2012 to 12/30/2013, \$200,000 (Total); \$65,000 (Hurwitz)
28. **Hurwitz, D.** (PI), Dixon, K. (Co-PI @ OSU), Abdel-Rahim, A. (Co-PI @ UI), Vila, B. (Co-PI @ WSU), & Boyle, L. (Co-PI @ UW) Pacific Northwest Transportation Consortium (PacTrans). "Educating Teenage Drivers in the Pacific Northwest Regarding the dangers of Distracted Driving - Phase I," 7/1/2012 to 12/30/2013, \$200,000 (Total); \$70,000 (Hurwitz)
29. **Hurwitz, D.** (PI), Brown, Shane (CoPI @ WSU), National Science Foundation (NSF). "Collaborative Research: Mental Models of Students and Practitioners in the Development of an Authentic Assessment Instrument for Traffic Signal Engineering," 5/1/2012 to 4/30/2015, \$200,000 (Total); \$108,321 (Hurwitz)
30. Higgins, C. (PI @ OSU), **Hurwitz, D.** (Investigator) Oregon Transportation Research and Education Consortium (OTREC) "Visiting Scholars Initiative," 10/1/2011 to 9/30/2012, \$7,500 (Hurwitz)
31. **Hurwitz, D.** (PI) Chris, M. (CoPI @ PSU) Oregon Transportation Research and Education Consortium (OTREC) "Improved Pedestrian Safety at Signalized Intersections Operating the Flashing Yellow Arrow," 10/1/2011 to 9/30/2012, \$123,798 (Total); \$76,781 (Hurwitz)
32. **Hurwitz, D.** (PI) Oregon Transportation Research and Education Consortium (OTREC) "An Activity-Based Learning Module for Human Factors in the Introductory Transportation Engineering Course," 10/1/2011 to 9/30/2012, \$26,734 (Total)
33. **Hurwitz, D.** (PI) Kittelson & Associates, Inc. "Supplemental data reduction for the transportation operation innovation & demonstration evaluation/statewide," 5/15/2011 to 6/30/2012, \$10,079 (Total)
34. Olsen, M. (PI @ OSU), Glennie, C. (Co-PI @ Univ. of Houston), **Hurwitz, D.** (Investigator) National Cooperative Highway Research Program (NCHRP). "Guidelines for the use of mobile LIDAR in transportation applications," 4/1/2011 to 10/1/2012, \$250,000 (Total); \$17,500 (Hurwitz)
35. Dixon, K. (PI @ OSU), **Hurwitz, D.** (Investigator) National Cooperative Highway Research Program (NCHRP). "Work Plan Item #2: Driver Response and Attention Associated with Access Spacing," 8/1/2010 to 8/1/2011, \$130,000 (Total); \$12,167 (Hurwitz)
36. **Hurwitz, D.** (PI) Oregon Department of Transportation (ODOT). "Relating Traffic Systems Management and Operations Strategies to ODOT Policy Goals," 11/23/2009 to 9/30/2011, \$121,663 (Hurwitz)

INTERNAL SUPPORT

Completed

1. **Hurwitz, D.** (Co-PI) and Mason, B. (Co-PI OSU) Kiewit Center. "Advancement of a Transportation Geotechnics Desktop Learning Module," 1/1/2015 to 02/29/2016, \$5,600 (Total); \$2,800 (Hurwitz)
2. **Hurwitz, D.** (Co-PI) and Mason, B. (Co-PI @ OSU) Learning Innovation Grant. "Innovation in the Classroom: A Transportation Geotechnics Application of Desktop Learning Modules to Promote Inductive Learning" 1/1/2015 to 02/29/2016, \$10,000 (Total); \$5,000 (Hurwitz)
3. Mason, B. (Co-PI @ OSU) and **Hurwitz, D.** (Co-PI). L.L. Steward Faculty Development Fund. "Developing More Effective Engineering Educators: Facilitating Inductive Learning with a Desktop Learning Module," 1/1/2015 to 12/31/2015, \$4,400 (Total); \$2,200 (Hurwitz)
4. Brown, S. (Co-PI @ OSU) and **Hurwitz, D.** (Co-PI). L.L. Steward Faculty Development Fund. "Improving the Assessment and Evaluation of Teaching in Civil Engineering," 1/1/2015 to 12/31/2015, \$4,400 (Total); \$2,200 (Hurwitz)

STUDENTS MENTORED

Post-Doctoral Students

Current

1. Dr. Hagai Tapiro, Evaluation of Driver Performance and Workload During Takeover Events, 2017 – Present

Doctoral Students

Current

1. Doug Cobb, Development of Physiological Measurements to Support Bicycle Level of Stress Theory, 2019 - Present
2. Ananna Ahmed, TBD, 2018 - Present
3. Zachary Barlow, Driver Distraction from Unmanned Aerial Systems: Evidence, Policy, and Mitigation, 2017 - Anticipated Spring 2019
4. Dylan Horne, Development and Evaluation of Improved Bicycle Infrastructure, 2016 - Present
5. Hisham Jashami, Evaluation of Protected-Permitted Right Turn Phasing, 2015 – Anticipated Fall 2019
6. Hameed Aswad, Consideration of Driver Response in the Dilemma Zone of Isolated High-Speed Signalized Intersections, 2015 – Anticipated Spring 2019

Completed

1. Masoud Ghodrat Abadi, 2018, Design and Operational Considerations for Bicycles on Transportation Infrastructure, Assistant Professor at California State University Sacramento, Sacramento, CA
2. Mohammad Islam, 2014, Safety and Efficiency Benefits of Traffic Signal Countdown Timers, Transportation Engineer at Traffic Technology Services, Inc., Beaverton, OR
3. Mafruhatul Jannat, 2014, Towards the Mitigation of Right-Hook Crashes at Signalized Intersections, Lab Manager/Senior Researcher for Leidos at Turner-Fairbank Highway Research Center, McLean, VA

Masters of Science Students

Current

1. Travis Larson, 2018 - Present
2. Cadell Chand, Co-advised with Dr. Haizhong Wang, 2018 - Present

Completed

1. Ellen Simpson, 2018, Development and testing of a mobile radar based vehicle trajectory detection system, Transportation Engineer at HDR, Portland, OR
2. Kayla Fleskes, 2018, Influence of Bicyclist Presence on Driver Performance during Autonomous Vehicle Take-Over Requests, Transportation Engineering at DKS Associates, Portland, OR
3. Zachary Barlow, 2017, A Review of Current State Department of Transportation Practice for Promoting and Documenting the Safety of Field Employees, PhD student at Oregon State University, Corvallis, OR
4. Kamilah Burker, 2017, Evaluation of Desktop Learning Modules in Civil Engineering Classrooms to promote Inductive and Interactive Learning, Transportation Engineer, DKS Associates, Portland, OR
5. Sarah McCrea, 2015, Consideration of User Behavior in the Design of Red Light Extension Systems, Engineer Assistant, at Sandow Engineering, Eugene, OR.
6. Jennifer Warner, 2015, Design Alternatives to Mitigate Right Hook Crashes, Transportation Engineer at Stantec, Mechanicsburg, PA
7. Julia Kautz, 2015, Implications of Distraction on Pedestrian Behavior, Engineer 1 at Los Alamos National Laboratory, Los Alamos, NM.
8. Justin Neill, 2014, Evaluation of Alternative Information Signs in Oregon, Transportation Engineer at Traffic Technology Solutions, Beaverton, OR
9. Patrick Marnell, 2013, Implications of Distracted Driving on Driver Behavior in the Standing Queue of Dual Left-Turn Lanes: An Empirical Study, Transportation Engineer at Kittleson & Associates, Portland, OR
10. Joshua Swake, Driving Simulation: A Mechanisim for Understanding Driver Response to Mobile Barriers in Work Zones, 2013, Transportation Engineering at DKS Associates, Portland, OR
11. Halston Tuss, 2012, Improved Pedestrian Safety at Signalized Intersections Operating the Flashing Yellow Arrow, Transportation Engineer, DKS Associates, Salem, OR
12. Derek Moore, 2012, Fuzzy Logic for Imporved Dilemma Zone Identification: A Simulator Study, Transportation Engineer, DKS Associates, Salem, OR
13. Sahar Nabee, 2011, An Evaluation of Gap Acceptance Behavior at Unsignalized Intersections, PhD student at the University of Maryland

Masters of Engineering Students (one year, course work only)

Current

1. Jie Sun, 2018

Completed

1. Xufeng Tang, 2016
2. Zachary Williams, 2013
3. Keith Blair, 2012

Undergraduate Honors College Students

Current

1. Alden Sova, TBD, Visual Attention and Drone Distraction

Completed

1. Cadell Chand, 2018, Determination of Bicyclist Behavior during a Dooring Crash
2. Amy Wyman, 2016, Visual Attention to Red Signal Countdown Timers Among Oregon Drivers
3. Makenzie Ellett, 2015, Influence of Texting on Driver Glance Patterns and Lane Position on Horizontal Curves, BSCE student at Oregon State University
4. Patrick Burns, 2014, Visual Search Patterns and Behavior of Left Turning Bicyclists at Roadway Intersections: A Field Study, MS student at Oregon State University

Committee Member

Current

1. Chen Chen, PhD in CE, Anticipated TBD
2. Kenneth Faiwoyife, MS in CE, Anticipated TBD
3. Alireza Mostafizi, PhD in CE, Anticipated TBD
4. Ihsan Obaid, PhD in CE, Anticipated TBD
5. Hamsa Abbas Nayyef Zubaidi, PhD in CE, Anticipated TBD

Completed

1. Nabeel Saleem Saad Al-Bdairi, PhD in CE, Summer 2018
2. Shangjia Dong, PhD in CE, Summer 2018
3. Jason Anderson, PhD in CE, Summer 2018
4. Chongchong Li, MEng in CE, Spring 2018
5. Joseph Claveria, MS in CE, Spring 2018
6. Harith Abdulsattar, PhD in CE, Spring 2018
7. Yue Xu, MS in CE, Spring 2017
8. Chen Chen, MS in CE, Spring 2017
9. Katarina Morowsky, PhD in IE, Spring 2017
10. Jason Pascoe, MS in CE, Fall 2016
11. Keisha Villanueva, MS in CE, Summer 2016
12. Edger Castro, MS in CE, Summer 2016
13. Tianjiao Li, MS in CE, Spring 2016
14. Hongzhang Chenji, MEng in CE, Winter 2016
15. Adriana Piemonti, PhD in CE, Fall 2015
16. Shangjia Dong, MS in CE, Fall 2015
17. Dejan Duditch, MS in CE, Fall 2015
18. Hamid Mahmoudabadi, PhD in CE, Summer 2015
19. Floraliza Bornasal, PhD in CE, Spring 2015
20. Allie Peters, MS in CE, Spring 2015
21. Amirali Saeedi, PhD in IE, Winter 2013
22. Raul Avelar, PhD in CE, Winter 2013
23. Lu Liu, MSCE, Winter 2013
24. Ian Roholt, MSCE, Winter 2013
25. Jianfei Zheng, MSCE, Fall 2012
26. Lacy Brown, MSCE, Summer 2012

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27. Keith Williams, MSCE, Spring 2012
28. Megan Mecham, MSCE, Spring 2012
29. Ioana Cosma, MSCE, Spring 2012
30. Meng Li, MSCE, Fall 2011
31. Yanfen Zhou, MSCE, Spring 2011
32. Mafruhatul Jannat, MSCE, Spring 2011
33. Fei Xie, MSCE, Winter 2011
34. Neil Kopper, MSCE, Spring 2010
35. Brett Cowgill, MEng, Spring 2011

Graduate Committee Representative (GCR)

Current

1. Pamela Downs, PhD in Psych, Anticipated Spring 2021
2. Tabeel Jacob, PhD in ME, Anticipated Spring 2019
3. Madelayne Varela, MAIS, Anticipated Summer 2018

Completed

1. Helen Garrett, PhD in Education, Fall 2016
2. Angelica Falkenstein, MAIS, Spring 2013

Undergraduate Research Assistants (URA)

Current

1. Lukas Bauer, ME, Fall 2018 - Present
2. Alden Sova, ME, Summer 2018, Winter Break 2018

Completed

1. Travis Larsen, CE, Winter 2017 - Spring 2017; Winter 2018 - Summer 18
2. Xiaodan Zhang, CE, Fall 2017 - Spring 18
3. Logan Scott-Deeter, CE, Fall 2016 - Summer 17; Winter 2018; Spring 18
4. Amber Meeks, CE, Winter 2015 – Spring 2016
5. Neha Valluri, EECS, Fall 2015, Winter 2016
6. Katie Mannion, CE, Summer 2014
7. Kamilah Buker, CE, Fall 2014 – Summer 2015
8. Amy Wyman, CE, Summer 2014, Winter 2015
9. Kayla Fleskes, CE, Summer 2014
10. Kyle England, CE, Winter 2012
11. Rachel Hanna, CE, Winter 2012
12. Isaac Talley, CE, Summer 2011- Spring 2012
13. Joshua Swake, CE, Summer 2011
14. Cole Fitzpatrick, CE, Spring 2011
15. Brennan Burbank, CE, Fall 2010 – Spring 2011
16. Halston Tuss, CE, Summer 2010

Summer Experience in Science and Engineering for Youth (SESEY)

Completed

1. Michael Cardani, Driving and Bicycling Simulator Lab, July 2014
2. Shelby Cutter, Driving and Bicycling Simulator Lab, July 2014

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3. Tiernan Pietsch, Empirical Evaluation of Distracted Pedestrians, July 2013
4. Carolina Guillen, Empirical Evaluation of Distracted Pedestrians, July 2013

STUDENT AWARDS AND ACHIEVEMENTS

- Hisham Jashami, PhD student, Life Savers Traffic Safety Scholar, 2019
- Zach Barlow, PhD Student, PacTrans Student of the Year, 2018
- Kayla Fleskes, MSCE 18, Graduate Scholarship, ORITE, 2018
- Kayla Fleskes, MSCE 18, Outstanding Graduate Student, ITE Western District, 2018
- OSU ITE Student Chapter, Best Chapter Award, ITE Western District, 2018
- Masoud Ghodrat Abadi, PhD student, 3rd Place, School of Civil and Construction Engineering, Graduate Research Showcase, Oregon State University, 2018
- Ellie Simpson, Zach Barlow, and Logan Scott-Deeter, 2nd Place, Traffic Control Devices Challenge, TRB & ATSSA, 2018
- Masoud Ghodrat Abadi, PhD student, Life Savers Traffic Safety Scholar, 2018
- Kayla Fleskes, MSCE 18, PacTrans Student of the Year, 2017
- Masoud Ghodrat Abadi, PhD student, 1st Place, Region X Student Poster Competition, 2017
- Dylan Horne, PhD student, 3rd Place, Region X Student Poster Competition, 2017
- Amy Wyman, BSCE 17, OSU Civil Engineering Student of the year, 2017
- Masoud Ghodrat Abadi, PhD student, Eno FLD Conference Fellow, 2017
- Zach Barlow, MS student, 1st Place, ORITE Section Bill Kloos Scholarship Award, 2017
- Masoud Ghodrat Abadi, PhD student, Michael Kyte Outstanding Student of the Year, 2016
- Hisham Jashami, PhD student, 1st Place, Region X Student Poster Competition, 2016
- Kayla Fleskes, BSCE 16, OSU Civil Engineering Student of the year, 2016
- Masoud Ghodrat Abadi, PhD student, Younger Member, TRB Committee on Education and Training (ABG20), 2016
- Zach Barlow, MS student, Younger Member, TRB Committee on Transportation History (ABG50), 2016
- Kamilah Buker, MS student, 1st Place, ORITE Section Bill Kloos Scholarship Award, 2016
- Masoud Ghodrat Abadi, PhD student, 3rd Place, Region X Student Poster Competition, 2015
- Makenzie Ellett, UHC 15, OSU Civil Engineering Student of the year, 2015
- Jennifer Warner, MSCE 15, 2nd Place, OSU 3MT/Scholars' Insights Competition, 2015
- Masoud Ghodrat Abadi, PhD student, 1st Place, ORITE Section Bill Kloos Scholarship Award, 2015
- Jennifer Warner, MSCE 15, Michael Kyte Outstanding Student of the Year, 2014
- Jennifer Warner, MSCE 15, 1st Place, Region X Student Poster Competition, 2014
- Jennifer Warner, MSCE 15, 1st Place, Oregon Transportation Summit 3MT competition, 2014
- Patrick Burns, UHC 14, OSU Civil Engineering Student of the year, 2014
- Mafruhatul Jannat, PhD 14, Grand Champion, OSU CCE Grad Student Expo, 2014
- Jennifer Warner, MSCE 15, 1st Place, ORITE Bill Kloos Scholarship Award, 2013
- Mafruhatul Jannat, PhD 14, 2nd Place, Oregon Transportation Summit 3MT competition, 2013
- Joshua Swake, MSCE 13, PacTrans Student of the Year, 2013
- Patrick Marnell, MSCE 13, 2nd Place, ITE Oregon Section Bill Kloos Scholarship Award, 2012

VISITING SCHOLARS

Completed

1. Jianjun Shi, Associate Professor, College of Metropolitan Transportation, Beijing University of Technology, March 2016 – January 2017

2. Dekang Zhang, PhD Student, College of Metropolitan transportation, Beijing University of Technology, September 2016 – November 2016

PROFESSIONAL CERTIFICATION/TRAINING

- Engineer-in-Training, No. 20953, 2004

TEACHING

Oregon State University

Credit Courses

Number	Course Title	Term/Year	Credits	Enrollment
CE 595	Traffic Operations and Design	Fall 2009	3	11
CE 392	Intro to Highway Engineering	Spring 2010	4	31
CE 595	Traffic Operations and Design	Fall 2010	3	16
CE 392	Intro to Highway Engineering	Winter 2011	4	57
CE 590	Isolated Signalized Intersections	Spring 2011	3	15
CE 595	Traffic Operations and Design	Fall 2011	3	9
CE 595	Isolated Signalized Intersections	Winter 2012	3	5
CE 392	Intro to Highway Engineering	Spring 2012	4	34
CE 595	Traffic Operations and Design	Fall 2012	3	21
CE 590	Driving Simulation	Winter 2013	3	14
CE 552	Isolated Signalized Intersections	Spring 2013	3	9
CE 595	Traffic Operations and Design	Fall 2013	3	7
CE 590	Driving Simulation	Winter 2014	3	4
CE 392	Intro to Highway Engineering	Spring 2014	4	47
CE 595	Traffic Operations and Design	Fall 2014	3	16
CE 552	Isolated Signalized Intersections	Winter 2015	3	15
CE 392	Intro to Highway Engineering	Spring 2015	4	26
CE 595	Traffic Operations and Design	Fall 2015	3	18
HC 408	Thesis Learn	Fall 2015	3	32
CE 507	Transportation Seminar	Winter 2016	1	15
CE 392	Intro to Highway Engineering	Spring 2016	4	27
CE 595	Traffic Operations and Design	Fall 2016	3	8
CE 552	Isolated Signalized Intersections	Winter 2017	3	9
CE 507	Transportation Seminar	Winter 2017	1	8
CE 392	Intro to Highway Engineering	Spring 2017	4	28
CE 595	Traffic Operations and Design	Fall 2017	3	11
ENGR 407	CECOP/CE/CEM/FE	Fall 2017	1	30
CE 507	Transportation Seminar	Winter 2018	1	5
CE 554	Driving Simulation	Winter 2018	3	10
CE 392	Intro to Highway Engineering	Spring 2018	4	16
CE 595	Traffic Operations and Design	Fall 2018	3	8
ENGR 407	CECOP/CE/CEM/FE	Fall 2018	1	21
CE 507	Transportation Seminar	Winter 2019	1	6
CE 552	Isolated Traffic Signals	Winter 2019	3	6
HC 408	HC Thesis: Stage 2	Winter 2019	1	36

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Student Evaluations

Number	Term	Enrollment	# Responding	Median Student Evaluation (#1 ^a /#2 ^b)	College or School Median* (#1/#2)	Required /Elective
CE 595	Fall 2009	11	9	5.9/6.0	4.9/5.2 ^d	Required
CE 392	Spring 2010	31	28	4.9/5.4	4.5/4.8 ^e	Required
CE 595	Fall 2010	16	14	5.8/5.9	4.9/5.2 ^d	Required
CE 392	Winter 2011	57	50	5.1/5.5	4.5/4.7 ^e	Required
CE 590	Spring 2011	15	15	5.0/5.5	5.0/5.2 ^d	Elective
CE 595	Fall 2011	9	8	5.0/5.8	4.6/4.7 ^f	Required
CE 590	Winter 2012	5	5	5.9/5.9	4.6/4.8 ^f	Elective
CE 392	Spring 2012	34	30	5.8/5.8	4.6/4.7 ^f	Required
CE 595	Fall 2012	21	19	5.7/5.9	4.7/4.8 ^f	Required
CE 590	Winter 2013	14	9	5.4/5.8	4.6/4.8 ^f	Elective
CE 552	Spring 2013	9	6	5.9/5.9	4.6/4.8 ^f	Elective
CE 595	Fall 2013	7	7	5.6/5.8	4.8/4.9 ^f	Required
CE 590	Winter 2014	4	4	none/none	none/none	Elective
CE 392	Spring 2014	47	41	5.0/5.3	4.9/5.1 ^f	Required
CE 595	Fall 2014	16	16	6.0/6.0	4.8/4.9 ^f	Required
CE 552	Winter 2015	15	13	5.9/5.9	4.8/5.0 ^f	Elective
CE 392	Spring 2015	26	23	5.2/5.3	4.8/5.1 ^f	Required
CE 595	Fall 2015	18	16	5.9/5.8	5.0/5.2 ^f	Required
HC 408	Fall 2015	32	25	4.2/5.2	5.3/5.5 ^f	Required
CE 507	Winter 2016	15	12	5.6/5.9	4.6/4.8 ^f	Required
CE 392	Spring 2016	27	25	5.7/5.7	4.7/4.9 ^f	Required
CE 595	Fall 2016	8	8	5.8/5.8	5.0/5.1 ^f	Required
CE 552	Winter 2017	9	7	5.3/5.8	4.9/5.2 ^f	Elective
CE 507	Winter 2017	7	5	5.7/5.9	4.9/5.2 ^f	Required
CE 392	Spring 2017	28	20	5.4/5.6	5.0/5.2 ^f	Required
CE 595	Fall 2017	11	9	5.9/6.0	5.0/5.2 ^f	Required
ENGR 407	Fall 2017	30	22	4.7/5.2	5.1/5.3 ^f	Required
CE 507	Winter 2018	5	4	5.8/6.0	5.1/5.3 ^f	Required
CE 554	Winter 2018	10	6	5.8/5.9	5.1/5.3 ^f	Elective
CE 392	Spring 2018	16	8	5.3/5.7	5.0/5.2 ^f	Required
CE 595	Fall 2018	8	7	5.9/5.9	5.2/5.3 ^f	Required
ENGR 407	Fall 2018	21	15	5.1/5.9	5.1/5.3 ^f	Required
CE 507	Winter 2019	6	TBD	TBD	TBD	Required
CE552	Winter 2019	6	TBD	TBD	TBD	Elective
HC 408	Winter 2019	35	TBD	TBD	TBD	Elective

^a The course, as a whole, was:

^b The instructor's contribution to the course was:

^c Questions scored from, 1 (very poor), 2 (poor), 3 (fair), 4 (good), 5 (very good), 6 (excellent)

^d Median scores for all graduate classes in the College (COE)

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^e Median scores for all undergraduate classes in the College (COE)

^f Median scores for all classes in department (CCE)

Guest Lecturer

- CE 101 Intro to Civil Engineering; Transportation Lecture (50 min, approx. 150 students), Fall 18
- CE 101 Intro to Civil Engineering; Transportation Lecture (50 min, approx. 150 students), Fall 17
- IE 507 Human Centered Design Seminar; Ops and Safety (50 min, 10 students), Winter 17
- CE 101 Intro to Civil Engineering; Transportation Lecture (50 min, 150 students), Fall 15
- HC 408: Faculty Panel (45 min, 20 students), Spring 15
- IGERT in Aging Science Seminar (50 min, 10 students), Spring 15
- CE 101 Intro to Civil Engineering; Transportation Lecture (50 min, 167 students), Fall 13
- ENGR 211H Statics (Honors); Transportation Lecture & Sim Tour (50 min, 16 students), Fall 13

Non-Credit Courses and Workshops

- **Instructor**, Human Factors in Roadway Design and Operations (taught 4 hrs of lecture to 35 participants), Kiewit Center for Infrastructure and Transportation, Nov 8-9, 2018
- **Instructor**, Human Factors in Work Zones (taught 2 hrs of lecture to 12 participants), Kiewit Center for Infrastructure and Transportation, May 08, 2018
- **Instructor**, Human Factors in Roadway Design and Operations (taught 4 hrs of lecture to 35 participants), Kiewit Center for Infrastructure and Transportation, Nov 13-14, 2017
- **Instructor**, Human Factors in Roadway Design and Operations (taught 4 hrs of lecture to 35 participants), Kiewit Center for Infrastructure and Transportation, Dec 19-20, 2016
- **Instructor**, Traffic Engineering Fundamentals: Human Factors and Characteristics (co-taught 1 hr lecture to 35 participants), Kiewit Center for Infrastructure and Transportation, Dec 2011

ASCE: Excellence in Civil Engineering Education (ExCEEEd)

- **Assistant Mentor**, ASCE: ExCEEEd Teaching Workshop, Florida Gulf Coast University, July 2015
- **Assistant Mentor**, ASCE: ExCEEEd Teaching Workshop, United States Military Academy, July 2014
- **Assistant Mentor**, ASCE: ExCEEEd Teaching Workshop, Florida Gulf Coast University, July 2013
- **Assistant Mentor**, ASCE: ExCEEEd Teaching Workshop, Florida Gulf Coast University, June 2012
- **Assistant Mentor**, ASCE: ExCEEEd Teaching Workshop, United States Military Academy, July 2011
- **Participant**, ASCE: Mini ExCEEEd Teaching Workshop, Portland State University, June 2009

University of Massachusetts Amherst

Credit Courses

- **Graduate Teaching Assistant**, CEE 510 Public Transportation Systems, Fall 2008
- **Graduate Teaching Assistant**, CEE 516 Transportation Design, Fall 2007
- **Graduate Teaching Assistant**, CEE 450 Highway Location & Geometric Design, Fall 2007
- **Graduate Teaching Assistant**, CEE 121 Engineering Measurements, Spring 2007

Non-Credit Courses and Workshops

- **Instructor**, Construction Fundamentals: Surveying, Baystate Roads, (co-taught six 8hr-classes), Feb 2009
- **Academic Program Coordinator**, Summer Transportation Institute, July 2007, July 2008
- **Instructor**, Counting Cars: Using Traffic Data to Create Better Projects, Baystate Roads, (co-taught four 8hr-classes), June 2007

SERVICE ACTIVITIES

Peer Review [bracketed numbers identify the number of reviews performed]

Proposals

- Natural Sciences and Engineering Research Council of Canada (NSERC)
 - Civil, Industrial and Systems Engineering (EG 1509), 2018
- Urban Mobility & Equity Center (UMEC), Morgan State University, 2018
- Pacific Northwest Transportation Research Consortium (PacTrans)
 - Small Grants at the University of Idaho, 2018
 - Small Grants at Washington State University, 2017
- Transportation Research Center for Livable Communities (TRCLC), Western Michigan University, 2015
- National Center for Transportation Systems Productivity and Management (NCTSPM), Georgia Tech, 2013
- National Institute for Transportation and Communities (NITC), Portland State University, 2012, 2013, 2014, 2015, 2016, 2017
- Mountain-Plains Consortium (MPC), North Dakota State University, 2012, 2014, 2015
- National Science Foundation (NSF), Review Panelist, 2012, 2017
- Qatar National Research Fund (QNRF)
 - National Priorities Research Program (NPRP), 2014, 2015, 2016
 - Undergraduate Research Experience Program (UREP), 2011, 2012, 2013, 2014
- Mid-American Transportation Center (MATC), University of Nebraska-Lincoln, 2011, 2013, 2018
- UMass Transportation Center, University of Massachusetts Amherst, 2010, 2011, 2013
- Ohio Transportation Consortium (OTC), University of Akron, 2010
- University Transportation Research Center Region II (UTRC), The City College of New York, 2010, 2015, 2016

Technical Reports

- Idaho Department of Transportation, 2015
- Center for Accessibility and Safe Transportation for an Aging Population, Florida State University, 2015, 2016

Archival Journals

- Transportmetrica A: Transport Science, 2018 – Present
- Mechanical Sciences, 2018 – Present
- Transport Policy, 2018 – Present
- Displays, 2018 – Present
- ASCE, Journal of Surveying Engineering, 2017 – present
- IEEE Intelligent Transportation Systems Magazine, 2017 – present
- IET Intelligent Transport Systems, 2017 – present
- International Journal of Injury Control and Safety Promotion, 2017 – present
- International Journal of Adolescent Medicine and Health, 2016 – present
- Advances in Mechanical Engineering, 2016 – present
- Journal of Traffic and Transportation Engineering, 2016 – present
- SoftwareX, 2016 – present

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- Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2016 – present
- Traffic Injury Prevention, 2016 – present
- ITE Journal, 2016 – present
- Safety Science, 2015 - present
- Transportation Research Record Part C: Emerging Technologies, 2015 - present
- Transportation Research Record Part F: Traffic Psychology and Behavior, 2015 - present
- Journal of Engineering Education, 2014 - present
- Human Factors: The Journal of the Human Factors and Ergonomics Society, 2014 - present
- Journal of Advanced Transportation, 2014 - present
- International Journal of Transportation, 2013 - present
- Simulation Modeling Practice and Theory, 2013 - present
- IEEE Transactions on Systems, Man, and Cybernetics Part A: Systems and Humans, 2012 - present
- Engineering Management Journal, 2012 - present
- Accident Analysis and Prevention, 2011 - present
- Environmental Modeling & Software, 2011 - present
- ASCE: Journal of Professional Issues in Engineering Education and Practice, 2011 - present
- ASCE: Journal of Transportation Engineering, 2010 - present
- Injury Prevention, 2010 - present
- Journal of Transportation Safety & Security, 2009 - present

Books

- Book proposal titled, “Perceptual Fidelity in Virtual Environments: A Paradigm for the Design of Vehicle Simulators” by Alfred T. Lee, CRC Press – Taylor & Francis Group, LLC, 2017
- Book proposal titled, “Fundamentals of Math, Science, and Statistics for Aspiring Transportation Professionals” by Anurag Pande and Robert Bertini for Elsevier, 2016
- Traffic Engineering, Fourth Edition by Roger Roess, Elena Prassas, and William McShane, March 2014
- Operational, Analysis, and Design of Signalized Intersections by Michael Kyte and Maria Tribelhorn, January 2014
- Transportation, Statistics, Construction, & Computations Tools Section of the FE Civil Review by Professional Publications, Inc., November 2013
- Traffic Study Manual: The Insider’s Guide to Studying the Traffic Impacts of a Proposed Development, Version 1.0 by Mike Spack and Bryant Ficek, October 2013
- Traffic Signal Systems Operations and Design *Activity-Based Learning* by Michael Kyte and Tom Urbanik, 2012
- Traffic & Highway Engineering, 4th Edition by Garber & Hoel by Cengage Learning, May 2011
- Transportation Section of the Civil PE Sample Examination by professional Publications, Inc., July 2010

Conferences

- Institute of Transportation Engineers Annual Meeting, 2018
- International Cycling Safety Conference (ICSC), 2017, 2018
- ASEE PNW Section Annual Conference, 2017
- Human Factors and Ergonomics Society (HFES) Annual Meeting, 2014
- ASEE Annual Conference & Exposition, 2012, 2013, 2018

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- International Conference of Road Safety and Simulation, 2011, 2015
- International Driving Symposium on Human Factors in Driver Assessment, Training and Vehicle Design, 2011, 2013, 2015, 2018
- Transportation Research Board Annual Meeting
 - Traffic Signal Systems (AHB25), 2012 - Present
 - Simulation and Measurement of Vehicle and Operator Performance (AND30), 2011 - Present
 - Vehicle User Characteristics (AND10), 2011 - Present
 - Traffic Flow Theory & Characteristics (AHB45), 2011 - Present
 - Safety Data, Analysis, and Evaluation (ANB20), 2010 - Present
 - Traffic Control Device Committee (AHB50), 2009 - Present

Conference and Session Leadership

Conferences Organized

- **Chair**, Steering Committee, PNW ASEE Section Conference in *Corvallis, Oregon*, March 2019
- **Member**, Conference Organizing Committee, 3rd Transportation Engineering Educator's Workshop (TEEW) in *Auburn, Alabama*, May 2018
- **Advisor**, Planning Committee, 5th Annual Western District Student Leadership Summit (over 127 students from 25 universities participated) in *Corvallis, Oregon*, Jan 2018
- **Member**, Steering Committee, PNW ASEE Section Conference in *Seattle, Washington*, March 2017
- **Member**, Steering Committee, PNW ASEE Section Conference in *Boise, Idaho*, March 2016
- **Chair**, Conference Organizing Committee, PacTrans Region 10 Transportation Conference in *Seattle, Washington*, October 2015
- **Member**, Conference Organizing Committee, PacTrans Region 10 Transportation Conference in *Seattle, Washington*, October 2014
- **Member**, Steering Committee, Northwest Transportation Conference in *Corvallis, Oregon*, February 2014, March 2016, March 2018
- **Chair**, Conference Organizing Committee, 2nd Transportation Engineering Educator's Workshop (TEEW) in *Seattle, Washington*, July 2012

Sessions Organized and Moderated

- **Member**, ASCE International Conference on Transportation & Development (ICTD2019) Emerging Technologies Task Committee
- **Moderator**, Panel on Leadership in Transportation, 5th Annual Western District Student Leadership Summit, in *Corvallis, Oregon*, January 2018
- **Organizer**, ITE Webinar, Evidence Based Instructional Practice: Introduction to Transportation Engineering, (55 unique logins) December 2017
- **Moderator**, Session 4D Technology – Innovative Testing, Mid-Continent Transportation Research Symposium at Iowa State University, Ames, Iowa, August 2017
- **Moderator**, Spotlight Session VII: Technology Frontiers, 17th COTA International Conference of Transportation Professionals CICTP 2017 at Tongji University, Shanghai, China, July 2017
- **Moderator**, Poster Session 400: Simulation and Measurement of Vehicle and Operator Behavior, Transportation Research Board 96th Annual Meeting in *Washington, D.C.*, January 2017
- **Co-Moderator**, Infrastructure and Bicycles, 10th University Transportation Center Spotlight Conference: Pedestrian and Bicycle Safety in *Washington, D.C.*, December 2016
- **Moderator**, Innovations in ROW Design, Northwest Transportation Conference in *Corvallis, OR*, March 2016

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- **Moderator**, AND30 Poster Session, Transportation Research Board 95th Annual Meeting in *Washington, D.C.*, January 2016
- **Organizer and Moderator**, Hybrid Poster Session (31 participants) PacTrans 2015 Region 10 Transportation Conference in *Seattle, Washington*, October 2015
- **Moderator**, Spotlight Session V: Traffic Operations and Safety (5 speakers), 15th COTA International Conference of Transportation Professionals (CICTP 2015) in *Beijing, China*, July 2015
- **Moderator**, Safe User Breakout Session (5 speakers), PacTrans 2015 Safety Workshop in *Seattle, Washington*, May 2015
- **Organizer and Moderator**, Hybrid Poster Session (28 participants), PacTrans 2014 Region 10 Transportation Conference in *Seattle, Washington*, October 2014
- **Organizer**, Frontiers in Human Factors Research, 3rd Annual Oregon Transportation Summit in *Portland, Oregon*, Sept 2011
- **Moderator**, Session 6C Transit Planning, Operations, and Design II, Western District ITE Annual Meeting in *Anchorage, Alaska*, July 2011

Professional Membership and Leadership

- Transportation Research Board (TRB), Traffic Control Device Committee (AHB50),
 - **Secretary**, 2014 - Present
 - **Member**, 2011 - Present
- TRB Simulation and Measurement of Vehicle and Operator Performance (AND30)
 - **Secretary**, 2015 - Present
 - **Paper Review Coordinator**, 2014 – Present
 - **Member**, 2010 - Present
- Institute of Transportation Engineers (ITE)
 - International
 - **Vice Chair**, Education Council, 2017 - Present
 - **Executive Committee Member**, Education Council, 2010 - Present
 - **Member**, ITE Student Chapter Committee, 2014 - 2016
 - **ITE Reviewer**, MUTCD, 2013 – 2014
 - **Education Council Liaison**, Traffic Engineering Council, 2011 - 2015
 - **Member**, Climate and Energy Task Force, 2010 - 2011
 - Section
 - **Secretary/Treasurer**, GOITE, 2014 - 2016
 - **Webmaster**, ORITE, 2012 – 2014
 - Chapter
 - **Advisor**, OSU ITE Student Chapter, 2012 - Present
 - **President**, UMass Amherst ITE Student Chapter, 2008 - 2009
 - **Vice President**, UMass Amherst ITE Student Chapter, 2007
 - **Consultant Liaison**, UMass Amherst ITE Student Chapter, 2007
 - **Member**, 2004 - Present
- American Society of Civil Engineers (ASCE)
 - International
 - **Past Chair**, Committee on Faculty Development (CFD), 2017 - 2018
 - **Chair**, CFD, 2016 - 2017
 - **Secretary**, CFD, 2015 - 2016
 - **Member**, CFD, 2014 - 2015

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- **Member**, 2007 - Present
- American Society of Engineering Education (ASEE)
 - Section
 - **Vice Chair**, PNW ASEE, 2017 - Present
 - **Secretary**, PNW ASEE, 2013 - 2017
 - **Member**, 2010 - Present
- Oregon Young Employee Safety
 - **Member**, 2013-2014
- Federal Highway Administration
 - **Member**, Peer Working Group, Review FHWA Proposed Model Curriculum, "Performance-Based Approach for Managing and Operating our Transportation System", 2017
- Oregon Department of Transportation
 - **Member**, Work Zone Executive Strategy Session, OSU Representative 2016 - Present

Oregon State University Service

OSU Standing Committees

- **Member**, Academic Regulations Committee, 2018 - Present

COE Ad-Hoc Committees

- **Judge**, Graduate Student Expo, 2015
- **Member**, COE AD Marketing Communications Search Committee, 2015

COE Other Activities

- **Faculty panelist**, STEM Leaders Workshop, April 2016
- **Representative**, Council of University Transportation Centers (CUTC), 2014 - 2016
- **Representative**, CUTC Summer Meeting, June 2011

University Honors College

- **Faculty Panel**, OSU Cascades Mentor Session for Students, February 2018
- **Judge**, UHC Thesis Fair, May 2014, May 2015, May 2016, May 2017, May 2018

CCE Standing Committees

- **Chair**, Emergency Instructor Search Committee, 2016-2017
- **Member**, Peer Teaching Evaluation Committee, 2014-2015, 2015-2016, 2016-2017, 2017-2018, 2018-2019
 - Peer Teaching Evaluations Conducted, 2015 [1], 2016 [4], 2017 [1], 2018 [4]
- **Member**, Graduate Committee, 2011 - 2012, 2012 - 2013, 2014 - 2015
 - **Chair**, Sub-Committee on Funding, Fellowships, and UGLBG, Chair, 2012 - 2013
- **Member**, Curriculum Committee, 2009-2010, 2010 - 2011

CCE Ad-Hoc Committees

- **Member**, CCE 1st Yr Cohorts, 2018-2019
- **At Large Member**, Instructor Promotion Committee, 2018-2019
- **Member**, Graduate Seminar 2.0 Planning Committee, 2018
- **Chair**, Academic Advisor Search Committee, 2017-2018
- **Topic Expert**, Promotion and Tenure Committee, 2017-2018
- **Judge**, Graduate Research Showcase, 2017

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- **Member**, Head Academic Advisor Search Committee, 2016-2017
- **Chair**, Geomatics Faculty Search Committee, 2016-2017
- **Member**, Strategic Committee, 2015 - 2016
- **Judge**, Graduate Student Expo, 2014
- **Member**, Public Information Representative Search Committee, 2013
- **Member**, Open Access Laboratory Committee, 2012 - 2013
- **Member**, Transportation Engineering Faculty Search Committee, 2012 - 2013
- **Member**, Transportation Engineering Faculty Search Committee, 2011 - 2012
- **Member**, Interim School Head of CCE Search Committee, 2011
- **Member**, Honor Code Committee, 2010 - 2011

CCE Other Leadership Activities

- **Point-of-contact (POC)**, Driving and Bicycling Research Laboratory, 2012 - 2016
- **Group Coordinator (GC)**, Transportation Engineering Group, 2011 - 2015
- **OSU Representative**, PacTrans Board of Directors Summer Meeting, Sept 2015
- **OSU Representative**, PacTrans Board of Directors Winter Meeting, Feb 2015
- **OSU Representative**, PacTrans Board of Directors Summer Meeting, Sept 2014
- **Transportation Representative**, Annual Graduate School Forum, Nov 2011