

Wesley E. Marshall, PhD, PE

Assistant Professor
University of Colorado Denver

Phone: (203)715-4548 / (303)352-3741

Email: wesley.marshall@ucdenver.edu

Websites: www.wesleymarshall.com
www.actresearchgroup.org

Summary of Credentials

I am currently an assistant professor of Civil Engineering and adjunct professor in Urban and Regional Planning at the University of Colorado Denver, director of the Center for Sustainable Infrastructure Systems (CSIS) that houses the NSF IGERT Program, program director of the University Transportation Center through the Mountain Plains Consortium, and co-director of the Active Communities/Transportation (ACT) research group. I received my Professional Engineering (P.E.) license in 2003 and focus on transportation teaching and research dedicated to creating more sustainable urban infrastructures, particularly in terms of road safety, active transportation, and transit. Other related teaching and research topics involve: transportation planning and land use modeling, parking, health, and street networks.

Having spent time in the private sector with Sasaki Associates, and Clough, Harbour and Associates, I have been working on planning and site design issues related to civil and transportation engineering for the last fifteen years. A native of Watertown, Massachusetts, I am a graduate of the University of Virginia, the University of Connecticut, a recipient of the Dwight Eisenhower Transportation Fellowship, and winner of the Charley V. Wootan Award for Outstanding TRB Paper in the field of Policy and Organization.

Professional Experience

Academic Experience

2009 – present: Assistant Professor, Department of Civil Engineering

Additional affiliations include:

- Director, Center for Sustainable Infrastructure Systems (CSIS)
- Program Director, University Transportation Center through the Mountain Plains Consortium
- Co-Director, Active Communities/Transportation (ACT) Research Group with Kevin Krizek
- Faculty Affiliate, Urban and Regional Planning, College of Architecture and Planning
- Faculty Affiliate, NSF Integrative Graduate Education and Research Traineeship (IGERT)

2004 – 2009: Graduate Research and Teaching Assistant, Dept. of Civil & Environmental Engineering

Additional affiliations included:

- Researcher, Center for Transportation and Livable Systems (CTLS)
- Researcher, Connecticut Transportation Institute (CTI)

Industry Experience

2000 – 2004: Project Engineer, Clough, Harbour & Associates, Rocky Hill, CT

1998 – 2000: Project Engineer, Sasaki Associates, Watertown, MA

1997: Intern, Sasaki Associates, Watertown, MA

Public Sector

1996: Big Dig Field Auditor Internship, Massachusetts State Auditor Big Dig Field Office, Boston, MA

Professional Licensure

2003 – present: Professional Engineer, Connecticut #23211

Education

Ph.D. University of Connecticut, Storrs, CT (2009)

Department of Civil & Environmental Engineering (transportation and urban engineering)

Dissertation: *Community Design, Road Safety, and Transportation Sustainability*

Advisor: Dr. Norman W. Garrick; GPA: 4.0

M.S. University of Connecticut, Storrs, CT (2007)

Department of Civil & Environmental Engineering (transportation and urban engineering)

Thesis: "Parking at Mixed-Use Centers in Small Cities"

Advisor: Dr. Norman W. Garrick; GPA: 4.0

B.S. University of Virginia, Charlottesville, VA (1998)

Department of Civil & Environmental Engineering

Thesis: "The Big Dig." GPA: 3.6; Graduated Cum Laude with Distinction

Publications

Refereed journal articles

(underline indicates that co-author is a student)

**2013 &
in press**

1. **Wesley E. Marshall**. Striving for New Urbanist Transportation in an AASHTO World: Stapleton's Challenges and Opportunities. *Journal of Urbanism* (accepted).
2. **Wesley E. Marshall**. An Evaluation of Livability in Creating Transit-Enriched Communities for Improved Regional Benefits. *Research in Transportation Business & Management*, Vol. 7: 54-68, 2013.
3. Nordback, K., **Wesley E. Marshall**, and Janson, B. Bicyclist Safety Performance Functions for a U.S. City. *Accident Analysis and Prevention* (accepted).
4. Truong, L. and **Wesley E. Marshall**. Are Park-n-Rides Saving the Environment or Just Saving Parking Costs? A Case Study of the Denver Light Rail System. *Transportation Research Record* (accepted).
5. Nordback, K., **Wesley E. Marshall**, Janson, B., and Stolz, E. Errors in Estimating Annual Average Daily Bicyclists from Short-term Counts. *Transportation Research Record* (in press).
6. Bern, B. & **Wesley E. Marshall**. Capacity Analysis of Pedestrian Treatments at Large Arterial Intersections & Comparison with Lane-Equivalent, Small Intersection Gridded Networks. *ASCE Journal of Urban Planning and Development*, Vol. 139, No. 4, 2013.
7. Piatkowski, D. and **Wesley E. Marshall**. "New" vs. "Old" Urbanism: A comparative analysis of travel behavior in large-scale New Urbanist communities and older, more established neighborhoods in Denver, Colorado. *Urban Design International* (doi:10.1057/udi.2013.30).
8. Henao, A. and **Wesley E. Marshall**. Parking at Sporting Event Stadiums in Denver, Colorado. *Transportation Research Record*, No. 2359: 17-26, 2013.
9. Gallagher, P., **Wesley E. Marshall**, and Atkinson-Palombo, C. Missing Links: How Social Paths Can Improve Light Rail Pedestrian Accessibility. *Transportation Research Record* (accepted).
10. Cook, J., Bose, M., **Wesley E. Marshall**, and Main, D. How Does Measuring 'Design Quality' Add to Our Understanding of Walkable Communities? *Landscape Journal*, Vol. 32, Issue 1: 65-80.
11. Zheng, J., Garrick, N., Atkinson-Palombo, C., McCahill, C., and **Wesley E. Marshall**. Guidelines for Developing Performance Metrics for Evaluating Transportation Sustainability. *Research in Transportation Business & Management*, Vol. 7: 4-13, 2013.
12. Knight, P. and **Wesley E. Marshall**. The Metrics of Street Network Connectivity: Their Inconsistencies. *Journal of Urbanism* (accepted).

2012

13. **Wesley E. Marshall** and Garrick, N. Community Design, Land Use, and How Much We Drive. *Journal of the Transport and Land Use*, Vol. 5, No. 2: 5-21, 2012.

2011

14. **Wesley E. Marshall** and Garrick, N. Does Street Network Design Affect Traffic Safety? *Accident Analysis and Prevention*, Vol. 43, Issue 3: 769-781, 2011.
15. **Wesley E. Marshall** and Garrick, N. Evidence on Why Bike-Friendly Cities are Safer for all Road Users. *Journal of Environmental Practice*, Vol. 13, Issue 1: 16-27, 2011.
16. Nordback, Piatkowski, Janson, **Wesley E. Marshall**, Krizek, and Main. Testing Inductive-Loop Bicycle Counters on Shared Roadways. *Journal of Transportation of the Institute of Transportation Engineers*, Vol. 2, No. 1: 39-56, 2011.

2010

17. **Wesley E. Marshall** and Garrick, N. The Effect of Street Network Design on Walking and Biking. *Transportation Research Record*, No. 2198: 103-115, 2010.
18. **Wesley E. Marshall** and Garrick, N. Street Network Types and Road Safety: A Study of 24 California Cities. *Urban Design International Journal*, Vol. 15, Issue 3: 133-147, 2010.

2009 and

19. **Wesley E. Marshall**, Garrick, N., and Hansen, G. Reassessing On-Street Parking. *Transportation Research Record*, No. 2046: 45-52, 2008.

earlier

Wootan Award Winner for Outstanding TRB Paper in the field of Policy & Organization.

20. **Wesley E. Marshall** and Garrick, N. Parking at Mixed-Use Centers in Small Cities. *Transportation Research Record*, No. 1977: 164-171, 2006.

Papers currently under peer-review

21. Bronson, R. and **Wesley E. Marshall**. Alternative and adaptive transportation: What household and neighborhood factors support recovery from a drastic increase in gas price? *International Journal of Environmental Science and Technology* (under review).
22. **Wesley E. Marshall**, Piakowski, D., and Garrick, N. Street Network Design & Public Health. *Health and Place* (under review).
23. **Wesley E. Marshall**, Duvall, A., and Main, D. Large-Scale Tactical Urbanism: The Denver Bike Share System. *Journal of Urbanism* (under review).
24. Nordback, K., Bahrami, K., and **Wesley E. Marshall**. Comparison of Non-Motorized and Motorized Traffic Patterns. *ASCE Journal of Transportation Engineering* (under review).
25. Piakowski, D., Bronson, R., **Wesley E. Marshall**, and Krizek, K. Measuring the Impacts of Bike to Work Day Events for Different Populations. *Environment and Behavior* (under review).
26. Henaio, A., **Wesley E. Marshall**, Luckey, K., Nordback, K., Stonebraker, E., Krizek, K., and Piatkowski, D. Sustainable Transportation Infrastructure Investments and Mode Share Changes: A 20- year case study of Boulder, Colorado. *Transport Policy* (revise and resubmit).
27. Simbaquba, J., **Wesley E. Marshall** and Garrick, N. Understanding the Role of the Street Smart WalkScore in the Realm of Traditional Street Network Accessibility Measures. *Journal of Computers, Environment, and Urban Systems* (revise and resubmit).

Book Publications (non-peer-reviewed)

CNU Project for Transportation Reform Sustainable Street Network Working Group. Sustainable Street Network Principles (ISBN: 978-1-4675-1082-0). Congress for the New Urbanism, Chicago, 2012.

Book Chapters (with peer-review)

Wesley E. Marshall. "On-Street Parking" in *Parking: Issues and Policies* by Editors S. Ison and C. Mulley, Emerald Publishing, 2014 (accepted).

Wesley E. Marshall, Garrick, N., and Marshall, S. "Street Networks" in *International Handbook on Transport and Development* by Editors R. Hickman, D. Bonilla, M. Givoni, and D. Banister, Edward Elgar Publishing, 2014 (accepted).

Garrick, N. and **Wesley E. Marshall**. "Parking – When Less is More" in *Sustainable and Resilient Communities: A Comprehensive Action Plan for Towns, Cities, and Regions* by S.J. Coyle (Ed.) with foreword by Andrews Duany. John Wiley and Sons, Hoboken, NJ, 2011.

Final research reports

Nordback, K., **Wesley E. Marshall**, and Janson, B. Development of Estimation Methodology for Bicycle and Pedestrian Volumes Based on Existing Counts. Colorado Department of Transportation, 2013.

Atkinson-Palombo, C. and **Wesley E. Marshall**. Quantifying Transit-Oriented Development's Potential Contribution to Federal Policy Objectives on Transportation-Housing-Energy Interactions. Center for Transportation and Livable System (CTLS) at the University of Connecticut, 2013.

Garrick, N., **Wesley E. Marshall**, and Jackson, E. Value Pricing in Connecticut. Joint Highway Research Advisory Council (JHRAC) through the CT Cooperative Highway Research Program, 2008.

Conference
Presentations**Scholarly Conference Presentations (with peer-reviewed conference papers)**

2013

1. Truong, L. and **Wesley E. Marshall.** Are Park-n-Rides Saving the Environment or Just Saving Parking Costs? A Case Study of the Denver Light Rail System. *The 93rd Annual Meeting of the Transportation Research Board*, Washington, D.C., January 2014.
2. Piakowski, D., Bronson, R., **Wesley E. Marshall**, and Krizek, K. Measuring the Impacts of Bike to Work Day Events for Different Populations. *The 93rd Annual Meeting of the Transportation Research Board*, Washington, D.C., January 2014.
3. Luckey, K. and **Wesley E. Marshall.** Understanding the level of integration of light rail transit into communities in the Denver region. *Transportation Research Board*, Washington, D.C., January 2014.
4. Nordback, K., Bahrami, K., and **Wesley E. Marshall.** Comparison of Non-Motorized and Motorized Traffic Patterns. *Transportation Research Board*, Washington, D.C., January 2014.
5. Piakowski, D. and **Wesley E. Marshall.** Carrots Versus Sticks: Assessing Intervention Effectiveness And Implementation Challenges For Walking And Bicycling. *Transportation Research Board*, Washington, D.C., January 2014.
6. **Wesley E. Marshall**, Duvall, A., and Main, D. The Tactical Urbanism Origins of the Denver Bike Sharing System. *Congress for the New Urbanism Annual Meeting*, Salt Lake City, UT, May 2013.
7. Nordback, K., **Wesley E. Marshall**, Janson, B., and Stolz, E. Errors in Estimating Annual Average Daily Bicyclists from Short-term Counts. *The 92nd Annual Meeting of the Transportation Research Board*, Washington, D.C., January 2013.
8. Nordback, K., **Wesley E. Marshall**, and Janson, B. Bicyclist Safety Performance Functions for a U.S. City. *Transportation Research Board*, Washington, D.C., Jan. 2013.
9. Henao, A. and **Wesley E. Marshall.** Parking at Sporting Event Stadiums in Denver, Colorado. *Transportation Research Board*, Washington, D.C., January 2013.
10. Henao, A., **Wesley E. Marshall**, Luckey, K., Nordback, K., Stonebraker, E., Krizek, K., and Piatkowski, D. Sustainable Transportation Infrastructure Investments and Mode Share Changes: A 20- year case study of Boulder, Colorado. *Transportation Research Board*, Washington, D.C., January 2013.

2012

11. Gallagher, P., Atkinson-Palombo, C., and **Wesley E. Marshall.** Missing Links: How Social Paths Can Improve Light Rail Pedestrian Accessibility. *Transportation Research Record. Transportation Research Board*, Washington, D.C., January 2013.
12. Luckey, K. and **Wesley E. Marshall.** Assessing Travel Behavior in Transit-Rich Communities in the Denver Metropolitan Area: Does Integration of Transit and the Community Fabric Matter? 12th National Light Rail Conference – Sustaining the Metropolis: LRT & Streetcars for Super Cities, Salt Lake City, UT, November 2012.
13. **Wesley E. Marshall.** Striving for New Urbanist Transportation in an AASHTO World: Stapleton’s Challenges and Opportunities. *Congress for the New Urbanism Annual Meeting*, West Palm Beach, FL, May 2012.
14. **Wesley E. Marshall**, Tang, M., and Durham, S. Integration of Science, Technology, and Society (STS) Courses into the Engineering Curriculum. *ASEE Annual Conference*, San Antonio, June 2012.
15. Durham, S. and **Wesley E. Marshall.** Enhancing a Student’s Engineering Experience through Participation on Student Organizations. *ASEE Annual Conference*, San Antonio, TX, June 2012.
16. Kardos, A., Durham, S., and **Wesley E. Marshall.** "Green Projects to Pavements" A Project-Based Learning Approach to Introducing Sustainability to Civil Engineering Students. *ASEE Annual Conference*, San Antonio, TX, June 2012.
17. Bern, B. and **Wesley E. Marshall.** Arterial Intersections vs. Gridded Street Networks: Comparing Capacities & Pedestrian Accommodations. *The 91st Annual Meeting of the Transportation Research Board*,

- Washington, D.C., January 2012.
- 2011**
18. **Wesley E. Marshall** and Garrick, N. Community Design and How Much We Drive. *World Symposium of Transportation and Land Use Research*, Whistler, BC, July 2011.
 19. **Bern, B.** and **Wesley E. Marshall**. Signalized Intersections vs. Gridded Street Networks: Comparing Capacities & Pedestrian Accommodations. *Congress for the New Urbanism Annual Meeting*, Madison, WI, June 2011.
 20. Durham, S. and **Wesley E. Marshall**. Tips for Succeeding as a New Engineering Assistant Professor. *American Society for Engineering Education (ASEE) Annual Conference*, Vancouver, June 2011.
 21. **Wesley E. Marshall** and Garrick, N. The Spatial Distribution of VMT Based upon Street Network Characteristics. *The 90th Meeting of the Transportation Research Board*, Washington, D.C., January 2011.
 22. **Nordback, K.** and **Wesley E. Marshall**. The Effect of Increased Bicyclist Volumes on Individualized Bicyclist Risk. *The 90th Annual Meeting of the Transportation Research Board*, Washington, D.C., January 2011.
 23. **Nordback, Piatkowski, Janson, Wesley E. Marshall, Krizek, and Main**. Testing Inductive-loop Bicycle Counters on Shared Roadways. *The 90th Annual Meeting of the Transportation Research Board*, Washington, D.C., January 2011.
- 2010**
24. **Nordback, K.** and **Wesley E. Marshall**. Improving Bicycle Safety with More Bikers: An Intersection-Level Study. *American Society of Civil Engineers, Green Streets and Highways Conference*, Denver, CO, November 2010.
 25. **Wesley E. Marshall** and Garrick, N. Evidence on Why Bike-Friendly Cities are Safer for all Road Users. *Congress for the New Urbanism Annual Meeting*, Atlanta, GA, May 2010.
 26. **Wesley E. Marshall** and Garrick, N. The Effect of Street Network Design on Walking and Biking. *The 89th Meeting of the Transportation Research Board*, Washington, D.C., January 2010.
- 2009 and earlier**
27. **Wesley E. Marshall** and Garrick, N. The Shape of Sustainable Street Networks for Neighborhoods & Cities. *Congress for the New Urbanism Annual Meeting*, Denver, June 2009.
 28. **Wesley E. Marshall** and Garrick, N. Urbanism and Parking Demand in New England. *Congress for the New Urbanism Annual Meeting*, Austin, TX, April 2008.
 29. **Wesley E. Marshall** and Garrick, N. Reassessing On-Street Parking. *The 87th Meeting of the Transportation Research Board*, Washington, D.C. January 2008.
 30. **Wesley E. Marshall** and Garrick, N. Parking at Mixed-Use Centers in Small Cities. *The 86th Meeting of the Transportation Research Board*, Washington, D.C., January 2007.
- Scholarly Conference Presentations**
- 2013**
31. Alternative and Adaptive Transportation: How do the Availability of Bicycle, Pedestrian, and Transit Facilities Improve a Community's Resiliency (poster presentation with **R. Bronson**)? Bicycle Urbanism Symposium, Seattle, WA, June 2013.
 32. Counting Bicyclists in Colorado (with K. Nordback). Bicycle Urbanism Symposium, Seattle, WA, June 2013.
 33. Piatkowski, D., Bronson, R., **Wesley E. Marshall**, and Krizek, K. Evaluating the Impacts of Bike to Work Day on Different Types of Cyclist (poster presentation with **Piatkowski, D., Bronson, R.,** and Krizek, K.). Bicycle Urbanism Symposium, Seattle, WA, June 2013.
 34. Alternative and adaptive transportation: how do the availability of bicycle, pedestrian and transit facilities improve a community's resiliency? (poster presentation with **R. Bronson**). ITE Colorado-Wyoming Section Transportation Symposium, Denver, April, 2013.
 35. Parking at Sporting Event Stadiums in Denver, Colorado (with **A. Henao**). ITE Colorado-Wyoming Section Transportation Symposium, Denver, April, 2013.

- 2012
- 36. Sustainable Transportation Infrastructure Investments and Mode Share Changes: A 20- year case study of Boulder, Colorado (poster presentation with [A. Heano](#)). ITE Colorado-Wyoming Section Transportation Symposium, Denver, April, 2013.
 - 37. “New” vs. “Old” Urbanism: A comparative analysis of travel behavior in large-scale New Urbanist communities and older, more established neighborhoods in Denver, Colorado (poster presentation with [D. Piatkowski](#)). ITE Colorado-Wyoming Section Transportation Symposium, Denver, April, 2013.
 - 38. Educating the 21st Century Transportation Engineer (poster presentation). CU-Boulder STEM Education Showcase. Boulder, CO, October 2012.
 - 39. Integration of Science, Technology, and Society (STS) Courses into the Engineering Curriculum and Beyond (poster presentation with Tang, Knauss, and Durham). CU-Boulder STEM Education Showcase. Boulder, CO, October 2012.
- 2011
- 40. Characterizing Light-Rail TODs on a Livability Continuum: From Transit-Adjacent Developments to Transit-Enriched Communities. Rail~Volution, Washington, D.C., October 2011.
 - 41. The Impact of Street Configuration on the Safety of Pedestrians and Bicyclists (with [E. Stonebraker](#)). Association of Collegiate Schools of Planning (ASCP), Salt Lake City, UT, Oct. 2011.
 - 42. Assessing Preferences for Transit-Oriented Communities in Denver, Colorado (with [K. Luckey](#)). Association of Collegiate Schools of Planning (ASCP), Salt Lake City, UT, October 2011.
 - 43. Safety in Numbers: The Case of Bicyclists in Boulder (with [K. Nordback](#)). ITE Colorado-Wyoming Section Transportation Symposium, Denver, April, 2011.
- 2010
- 44. Estimating Bicycle Traffic Volumes on a Network (with [K. Nordback](#)). North American Regional Science Council Annual Meeting, Denver, CO, November 2010.
 - 45. The Evolution of Communities in the Denver Metro after Light Rail Installation (with [M. Louis](#)). North American Regional Science Council Annual Meeting, Denver, CO, November 2010.
 - 46. The Efficacy of New Urbanist Street Networks: How Much We Drive (with N. Garrick). Association of American Geographers Annual Meeting, Washington D.C., April 2010.
- 2009 and earlier
- 47. How Street Networks Affect Transportation Safety, Mode Choice & Emergency Response (with N. Garrick). Congress for the New Urbanism Transportation Summit, Portland, OR, November 2009.
 - 48. The Street Network, Placemaking, and Sustainability (with N. Garrick). Congress for the New Urbanism Transportation Summit, Charlotte, NC, Nov. 2008.
 - 49. Design Characteristics of Sustainable Centers (poster presentation). Climate Change Conference: Science, Policy and Strategies a Changing World, Storrs, CT, Nov. 2007.
 - 50. Parking and Streets: Getting it Right. Congress for the New Urbanism, New England Chapter Annual Conference, Lowell, MA, March 2006.
- Invited Presentations**
- 51. “Street Networks and Safety.” UCLA Complete Streets Conference. Los Angeles, CA, Feb. 2013.
 - 52. “The Cultural Evolution of Transportation Safety Data.” Culture of Data Conference. Arvada, CO, October 2012.
 - 53. Buechner Breakfast First Friday: Health and the Built Environment. School of Public Affairs, University of Colorado Denver. Denver, CO, August 2012.
 - 54. “Rethinking Light Rail Transit in the Mile High City.” ETH Zurich, Zurich, Switzerland, March 2012.
 - 55. “Street Networks: Road Safety, Travel Behaviors, and Emergency Response.” Institute of Transportation Engineers Annual Meeting, Vancouver, B.C., August 2010.

56. Community of Professional Masters' Degrees in GIS & Transportation (panel session). Association of American Geographers Annual Meeting, Washington D.C., April 2010.
57. "Making Downtown Parking Work." Downtown Revitalization Institute, Connecticut Main Street Center, West Hartford, CT, April 2008.
58. "Parking: Redefining the Quantity Quandary for a Quality Downtown." University of Connecticut Transportation Seminar Series, Storrs, CT, November 5, 2007.
59. "Visualizing Change in a Downtown." Downtown Revitalization Institute, Connecticut Main Street Center, New Haven, CT, April 2007.
60. "Parking: How Much is Enough?" Shared Parking & Walkable Downtowns. Creating Walkable Communities Conference, Corning, NY, April 2007.
61. "Parking in a Town Center." Downtown Revitalization Institute, Connecticut Main Street Center, New Britain, CT, April 2006.
62. "Integrating the Bike Network into the Transportation System: Cambridge, MA." University of Connecticut Transportation Seminar Series, Storrs, CT, February 2006.
63. "Child Pedestrian Safety: A New Curriculum for Connecticut." University of Connecticut Transportation Seminar Series, Storrs, CT, September 2005.

Session Chair or Discussant

64. Group Leader, Transportation Reform Research Agenda Working Group. Congress for the New Urbanism Transportation Summit, Chicago, IL, November 2013.
65. Group Leader, Transportation Reform Research Agenda Working Group. Congress for the New Urbanism Transportation Summit, Long Beach, CA, September, 2012.
66. Session Chair, World Symposium for Transport and Land Use Research, Whistler, B.C., Canada, July 2011.
67. Discussant, Built Environment Tour presenter. American Public Health Association (APHA) Annual Conference, Denver, CO, November 2010.
68. Session Chair and Discussant, Sustainable Cities: Educating Engineers for the 21st Century (with Atkinson-Palombo and Garrick). Congress for the New Urbanism Transportation Summit, Portland, OR, November 2009.

Sponsored Research Projects

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| Sponsored Research Projects | PI: "Does the Livability of a Residential Street Depend on the Characteristics of the Neighboring Street Network?" through the Mountain Plains Consortium (MPC), 2013 – 2015. | \$161,919 |
| | PI: "Why are Bike-Friendly Cities Safer for All Road Users?" through the Mountain Plains Consortium (MPC), 2014-2016. | \$294,471 |
| | PI: Metro Vision: From Regional Framework to Strategic Action Plan Outcomes Assessment and Knowledge Sharing (OAKS) through the Denver Regional Council of Governments (DRCOG) and the U.S. Department of Housing and Urban Development (HUD) Sustainable Communities Regional Planning Grant Program, 2012 – 2015. | \$180,000 |
| | Co-PI (w/ R. Rorrer): Snow on Traffic Signals through the Colorado Department of Transportation (CDOT), 2013 – 2015. | \$50,000 |
| | Co-PI (w/ C. McAndrews): Residential Street Design & Livability, through the Center for Faculty Development, 2013. | \$10,000 |
| | PI: Development of Estimation Methodology for Bicycle and Pedestrian Volumes through | \$75,000 |

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| the Colorado Department of Transportation (CDOT), 2011 – 2013. | |
| Co-PI (w/ N. Garrick): Assessing the Health Impacts of Community and Street Design through the New England University Transportation Center (NEUTC), 2010 - 2011. | \$99,940 |
| Co-PI (w/ C. Atkinson-Palombo): Quantifying Transit-Oriented Development’s Potential Contribution to Federal Policy Objectives on Transportation-Housing-Energy Interactions through the Center for Transportation and Livable System (CTLS) at the University of Connecticut, 2010 – 2011. | \$78,272 |
| PI: Community Design, Road Safety & Transportation Sustainability through the Center for Faculty Development, 2010. | \$2,000 |
| | TOTAL: \$951,602 |

Grants / Fellowships for dissertation research

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| <i>Dwight D. David Eisenhower Graduate Fellowship.</i> U.S. Department of Transportation, Federal Highway Administration, 2007 – 2009. | \$63,000 |
| <i>Advanced Graduate Students Fellow.</i> University of Connecticut, 2008. | \$2,000 |
| <i>Pre-doctoral Fellow,</i> University of Connecticut, 2007, 2009. | \$4,000 |
| | TOTAL: \$69,000 |

Honors & Awards

- *2013 Winner of the Outstanding Faculty in Teaching Award,* College of Engineering, University of Colorado Denver
- *2007 – 2009: Dwight D. Eisenhower Transportation Fellow,* U.S. Department of Transportation
- *2008 – Charley V. Wootan Award for Outstanding TRB Paper in Policy and Organization,* Transportation Research Board
- *2008 – U.S. Department of Transportation University Transportation Center Outstanding Student of the Year,* Center for Transportation and Urban Planning (CTUP) at the University of Connecticut
- *2008: Fellowship for Advanced Graduate Students in Civil Engineering,* University of Connecticut
- *2007, 2009 – Pre-doctoral Fellow,* University of Connecticut
- *2004 – 2005: New England University Transportation Center (NEUTC) Graduate Fellow*
- *Inducted 1997 – Golden Key International Honour Society,* University of Virginia
- *Inducted 1996 – Tau Beta Pi,* University of Virginia
- *1996 – Intermediate Honors,* University of Virginia

Teaching Experience

- University of Colorado Denver**
- CVEN 3602: **Transportation Engineering I** (Spring 2012)
 - CVEN 5800/URPL 6686/PUAD 7600: **Sustainable Transportation Systems** (Spring 2010, 2011, 2013, 2014)
 - CVEN 4602: **Highway Engineering** (Fall 2010, 2011)
 - CVEN 5602: **Advanced Street and Highway Design** (Fall 2010, 2011)
 - CVEN E 5381: **Introduction to GIS** (Fall 2009 – 2012, Spring 2012 – 2013)
 - LA 6606 Studio (Fall 2010) Guest Lecturer and Advisor to Student Projects

- URBN 6610 Urban Design Studio (Fall 2012) Invited Design Jury Member and Guest Lecturer

University of Connecticut

- CE 4410: **Site Engineering** (Spring 2007)
- CE 4710/5710: **Case Studies in Transportation Engineering**, Guest Lecturer (2006 – 2009)
- CE 2710: **Transportation Engineering**, Guest Lecturer (2006 – 2009)

**Graduate
Student
Advising**

Graduate Students Supervised:

- PhD Students
 1. Edward Gaviria, *Is congestion good and necessary for the economic well-being of cities?*, 2011 – present
 2. Matt Cross, *Integrating Land Use & Environmental Change with Remote Sensing*, 2011 – present
 3. Yaneev Golombek, 2013 – present
 4. Alejandro Henao, 2014 – present
- PhD Students Co-Advise (through NSF IGERT program)
 1. Kara Luckey, Co-Advise with Kevin Krizek, 2010 – present
 2. Jessica Cook, Co-Advise with Debbi Main, 2010 – present
- Doctoral Committees
 1. Krista Nordback, Quantifying Bicycle Use and its Health and Safety Impacts in Communities, Graduated Summer 2012
 2. Susi Marlina, Improving Representation of Freight Movement in Micro-Simulation, Graduated Spring 2012
 3. Andrew Duvall, Public Bicycle Sharing as a Population-Scale Health Intervention for Active Transportation in Denver, Colorado, Graduated Spring 2012
 4. Markos Atamo, Safety Assessment of Freeway Merging and Diverging Influence Areas Based on Conflict Analysis of Simulated Traffic, Graduated Spring 2012
 5. Pam Fischhaber, Doctoral, Light Rail Crossing Specific Accident and Hazard Prediction Models, Spring 2010 – present
 6. Kara Luckey, Transit-Oriented Developments, Fall 2010 – Present
 7. Jesse Cook, Beyond Infrastructure: Measuring Health-Related Design Quality, Fall 2010 – present
 8. Dan Piakowski, Evaluating the Effectiveness of the Nonmotorized Transportation Pilot Program: Successful Interventions, Works in Progress, and Directions for Practice, Graduated December 2013
 9. Josh Sperling, Health as a Motivator for Low-Carbon Infrastructures in Asian Cities: A Framework for Assessment of Risk, Vulnerability, and Mitigation, Spring 2010 – present
 10. Eric Stonebraker, Spring 2010 – present
 11. Mansour Al-Turki, Spring 2011 – present
- Master's of Science Students
 1. Alejandro Henao, "Additional Commute Expenditures with Fuel Price Shocks: A Geo-Economic Analysis," Graduated 2013
 2. Lisa Truong, "The Effect of Park-n-Rides on Greenhouse Gas Emissions," Graduated 2013
 3. Brian Griggs, "A Practical Approach to Implementing Transit Signal Priority using Bus AVL and Central Traffic Systems," Graduated 2011
 4. Roxann Hayes, "Transit Signal Priority Implementation: A Case Study in Boulder County, Colorado," Graduated 2011
 5. Brian Bern, "Accommodating Pedestrians And The Impact on Signalized Intersection Level Of Service," Graduated 2010
 5. Kowat Bahrami, 2011 - present
 6. Abdalmerged Salem, 2010 – present
 7. Samuel Shull, 2011 – present

8. Esayas Butta, 2011 – 2013
 9. David Oldham, 2011 – present
 10. Carlie Campuzano, 2011 – present
 11. Rousanna Marrero Gonzalez, 2011 – present
 12. Chenyang Zhao, 2013 – present
 13. Kailash Tatineni, 2013 – present
- Master’s of Engineering Students
 1. Thomas Lee, 2010 – 2013
 2. Richard Christy, 2010 – present
 3. Rebecca Haire, 2010 - present
 4. Karen Latimer, 2010 – present
 5. Bryan Conrad, 2010 – present
 6. Karen Bauer, 2010 - present
 7. Mark Munne, 2010 – present
 8. Matthew Tisdale, 2010 – present
 9. Md. Shah Imaran, 2010 – present
 10. Motoko Mascola, 2010 – present
 11. Philip MacDougall, 2010 – present
 12. Robert Thomas, 2010 – present
 13. Joseph Peters, 2010 – 2013
 14. Gregory Mizell, 2010 – present
 15. Marisol Medina, 2010 – present
 16. Adam Bliss, 2010 – 2013
 17. Stephanie Gould, 2011 – present
 18. Scott Steiner, 2011 – present
 19. James Sheflin, 2011 – present
 20. Jennifer Kerry, 2011 – present
 21. Joshua Ashcraft, 2011 – present
 22. Krishna Emmaneni, 2011 – present
 23. Elizabeth Crawley, 2011 – 2013
 24. Christian Schumann-Curtis, 2012 – present
 25. Lindsay Gartner, 2012 – present
 26. Max Henkle, 2012 – 2013
 27. Rachael Bronson, 2012 – present
 28. Caroline Byus, 2012 – 2013
 29. Kristoffer Feeley, 2012 – present
 30. Yeonju Kim, 2012 – 2013
 31. Erick Mattson, 2012 – 2013
- Published Commentary**
1. **Wesley E. Marshall**, “Why Stapleton residents fear their streets: Some lessons from the big Denver development where New Urbanism and conventional traffic engineering collide.” *Better Cities & Towns*, Vol. 1, No. 5, July-August, 2012.
 2. N. Garrick and **Wesley E. Marshall**, “Beyond Safety in Numbers: Why Bike Friendly Cities are Safer.” *Planetizen*, June, 27, 2011.
 3. **Wesley E. Marshall**, “Creating a Safer and More Sustainable Stapleton.” *Front Porch Newspaper*, Feb. 2011.
 4. **Wesley E. Marshall** and N. Garrick, “Place First Parking Plans.” *Planetizen*, August, 19, 2008.
 5. N. Garrick and **Wesley E. Marshall**, “What Street Parking Can Do for Downtowns.” *Hartford Courant*, May 18, 2008.
 6. **Wesley E. Marshall**, “Reprioritizing Parking for Your Town Center.” *APA Connecticut Chapter*, April – June 2008.

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7. N. Garrick and **Wesley E. Marshall**, “On-Street Parking: An Untapped Resource for Downtown.” *Connecticut Technology Transfer Center Newsletter*, December 2007.
 8. N. Garrick and **Wesley E. Marshall**, “Parking: How Much is Enough?” *Connecticut Transportation Institute (CTI) Technology Transfer Center Newsletter*, December 2005.2007 – 2009: *Dwight D. Eisenhower Transportation Fellow*, U.S. Department of Transportation
- Recent News & Press**
- Colorado Public Radio, Colorado Matters, October 2011. “Dangerous Streets Ring the Suburbs” by Zachary Barr, http://www.cpr.org/article/Dangerous_Streets_Ring_the_Suburbs
 - The New Urban News Network, October 2011. “How many new urbanist neighborhoods are truly safe for walking?” by Philip Langdon, <http://newurbannetwork.com/news-opinion/blogs/philip-langdon/15449/how-many-new-urbanist-neighborhoods-are-truly-safe-walking>
 - The Atlantic Cities, September 2011. “Debunking the Cul-de-Sac” by Emily Badger, <http://www.theatlanticcities.com/design/2011/09/street-grids/124/>
 - Carbon Trace, July 2011. “Our Urban Challenge: The Numbers Game” by Andy Cline, <http://isocrates.us/bike/2011/07/our-urban-challenge-the-numbers-game/>
 - How We Drive, January 2011. “On Bike Lanes, Road Widths, and Traffic Safety” by Tom Vanderbilt, <http://www.howwedrive.com/2010/12/23/on-bike-lanes-road-widths-and-traffic-safety/>
 - The New Urban News Network, September 2010. “Missing the point on how to reduce traffic deaths” by Philip Langdon, <http://newurbannetwork.com/news-opinion/blogs/philip-langdon/12954/missing-point-how-reduce-traffic-deaths>
 - The New Urban News. Vol. 14, No. 1, January February 2009. “Key to safer roads is identified in California study” by Philip Langdon.
- Peer-Reviewed Journal Review Activity**
- **Guest Editor**, *Journal of Research in Transportation Business & Management* (2011 – 2013)
 - **Peer Reviewer**, research manuscripts submitted to *Transportation Research Record*, committees for: (a) Transportation Demand Management, (b) Travel Behavior and Values, (c) Bicycle Transportation, (f) Pedestrian Planning, (g) Transportation Issues in Major U.S. Cities, (h) Safety Transportation Safety Management (2012 – 10 reviews, 2011 – 6 reviews, 2010 – 4 reviews, 2009 – 2 reviews, 2008 – 2 reviews, 2007 – 1 review, 2006 – 1 review)
 - **Peer Reviewer**, *Urban Design International* (UDI), (2013 – 1 review)
 - **Peer Reviewer**, *Journal of Computers, Environment, and Urban Systems* (CEUS), (2013 – 1 review)
 - **Peer Reviewer**, International Association for Travel Behaviour Research (IATBR), (2011 – 1 review)
 - **Peer Reviewer**, research manuscripts submitted to *Journal of Transport and Land Use* (2010 – 2 reviews)
 - **Peer Reviewer**, *International Journal of Sustainable Transportation* (2010 – 2 reviews)
- Outreach & Professional Service**
- **Director** of the Center for Sustainable Infrastructure Systems (CSIS) at the University of Colorado Denver that houses the IGERT Program on Sustainable Urban Infrastructure
 - **Program Director** for the University of Colorado Denver: Mountain Plains Consortium (MPC) University Transportation Center (UTC)
 - **Co-director** of the Active Communities /Transportation Research Group at the University of Colorado Denver
 - **Research Coordinator and Member** of the National Research Council, Transportation Research

Board Committee on *Transportation Issues in Major U.S. Cities* (ABE30) (April 2012 – 2015)

- **Member** of the National Research Council, Transportation Research Board Committee on *Transportation Demand Management* (ABE50) (April 2011 – 2014)
- **Research Coordinator and Leader** of the Research Reform Group, Congress for the New Urbanism
- **Member** of the Project Transportation Reform Working Group, Congress for the New Urbanism
- **Faculty Advisor**, Institute of Transportation Engineers (ITE) University of Colorado Denver Student Chapter (2009 – present)
- **Award Committee Chair and Organizing Committee**, World Symposium on Transport and Land Use Research (WSTLUR) (2011)
- **International Scientific Committee**, World Society on Transport and Land Use Research (WSTLUR) (2010 – 2011)
- **President**, Institute of Transportation Engineers (ITE) University of Connecticut Student Chapter (2008 – 2009)
- University of Connecticut Climate Action Task Force Transportation Workgroup (2008 – 2009)
- Hole in the Walk Gang Camp and/or Habitat for Humanity Volunteer (1992, 1998, 2006)

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