

# CIVIL AND CONSTRUCTION ENGINEERING

OREGON STATE UNIVERSITY

College of Engineering

## HUNTER-ZAWORSKI, Katharine M.

Associate Professor

### A1. EDUCATION

1988 Ph.D. Civil Engineering,  
Oregon State University  
1980 M.S. Engineering Science and Mechanics  
University of Tennessee, Knoxville  
1978 B.A.Sc., Mechanical Engineering  
University of British Columbia

### A.2. PROFESSIONAL EXPERIENCE

#### Academic

2003-Present Director  
National Center for Accessible Transportation  
2003-2009 Director  
Rehabilitation Engineering Research Center for Accessible Public  
Transportation  
2002- Present Associate Professor  
School of Civil and Construction Engineering  
Oregon State University  
July 2000 – Dec. 2000 Project Director,  
Smart Jitney  
Oregon University System  
Sept. 1999-June 2000 Senior Research Engineer  
Western Transportation Institute  
Montana State University  
Sept. 1988-June 2002 Assistant Professor  
Department of Civil Engineering  
Oregon State University  
1988-1999 Facilitator, Oregon Traffic Safety Commission Short Course Program  
1986-1987 Graduate Research Fellow  
Federal Highway Administration  
Washington, D.C.  
1985-1986, 1988 Research Assistant  
Department of Civil Engineering

Oregon State University

1983-1985      Instructor  
Department of Mechanical Engineering  
Oregon State University

1981-1983      Clinical Instructor  
University of British Columbia

1981-1982      Clinical Instructor  
British Columbia Institute of Technology

1981            Instructor  
Department of Kinesiology  
Simon Fraser University

1980-1981      Graduate Research Assistant  
University of Toronto

1979            Research Assistant  
University of Tennessee Medical Center, Memphis TN

1978-1979      Graduate Teaching Assistance  
University of Tennessee Knoxville

**NON-ACADEMIC POSITIONS**

2009            Consultant to Weber Aircraft Seating  
Accessible Premium Seating

2006-2008      Consultant to Nelson/Nygaard  
Project ACTION Status Report on the Current Use of Wheelchairs and  
Other Mobility Devices on Public and Private Transportation

2005-2006      Consultant to Nelson/Nygaard  
Accessibility of Translink, Vancouver BC

2000-2005      Consultant to Kittelson and Associates  
Transit Capacity and Quality of Service Manual

1997-1999      Consultant to Multisystems  
Instructor for National Transit Institute ITS course

1990            Consultant to B.C. Transit  
Fixed Route Accessibility

1985-1986      Senior Technical Advisor  
B.C. Parkway Society for Accessible Playgrounds

1983-1986      Consultant to TRI-MET  
Accessibility of Light Rail Transit

1982-1986      Consultant B.C. Transit  
Responsible for Skytrain Accessibility

1981-1983      Director Rehabilitation Engineering Department  
G.F. Strong Rehabilitation Centre, Vancouver, B.C.

1980            Consultant to VIA Rail Canada  
Accessible Passenger Rail

### **FIELDS OF SPECIALIZATION**

Rehabilitation and Transportation Engineering (ITS, traffic safety, railroad engineering, aviation, transit, and accessible transportation systems)

### **PROFESSIONAL ACTIVITIES**

#### **Registration**

Oregon (P.E.) - 12,462

#### **Professional Societies**

Transportation Research Board (TRB)  
Sigma Xi  
AREMA

#### **Professional Recognition**

2010 Emeritus Member, Transportation Research Board  
2010 Best Poster, International Conference on Accessible Transportation and Mobility, Hong Kong  
2008 Oregon State University Alumni Distinguished Professor Award  
2004 Roger Tate Award for Accessible Transportation, Transportation Research Board Committee for Accessible Transportation and Mobility  
1996 Oregon State University Award for Outstanding Service to Persons with Disabilities  
1995-1997 National Transit Institute Fellow,  
1994 ITE Award for "Best Paper and Presentation", (with W. Kloos and A. Danaher), 1994 Annual Meeting in Dallas, TX  
1989 The Premiers Award for Excellence in Accessible Design, The Province of British Columbia  
1988 ITE Award for "Best Paper and Presentation" at 1988 Annual Meeting in Vancouver, B.C.  
1981 ASME Centennial Medal  
1978 Finalist and winner of ASME Student Design Competition  
1978 Finalist and winner of RESNA Student Design Competitions  
1973-1978 Several Scholarships at University of British Columbia,

#### **Committees, Commissions and Boards**

##### **Federal and State Commissions**

1994-1997 ODOT Research and Planning Advisory Committee on DUII  
1992-2000 USDOT Federal Advisory Committee on Narrow Bodied Aircraft Accessibility

##### **Transportation Research Board (TRB)**

2011 Member AR020 Passenger Rail Equipment and Systems Integration Committee  
2010-present Member AV050 Airport Terminals and Ground Access Committee  
1996-2003 TCRP/TOPS Committee and Transit Development Corporation Board Member

##### **TRB: Committee of ABE60 (A1E09) Committee on Accessible Transportation and Mobility**

2010 Emeritus Member ABE60 Accessible Transportation and Mobility  
2003-2009 Chair of ABE60 Committee on Accessible Transportation and Mobility  
1995-present Member of the Scientific Committee for ABE60 International Conferences  
1995-2003 Secretary to ABE60(A1E09)Committee,  
1993-2006 Chair of Subcommittee on Customer Information Systems, ABE60 (4),  
1992-2006 National Conference Committee member, ABE60  
1991-present International Subcommittee member, ABE60 (1),

NAS/TRB National Cooperative Research Programs

2001-2004 NAS/TRB TCRP Project Panel D 09  
2000-2003 NAS/TRB TCRP Project Panel A-19-1  
1999-2001 NAS/TRB TCRP Project Panel A-21  
1998-2003 NAS/TRB TCRP Synthesis Project Panels  
1998-2003 NAS/TRB TCRP Project Panel J-6,  
1992-1996 NAS/TRB TCRP Project Panel B-1  
1991-1997 NAS/TRB NCHRP. Project Panel G3-44,

**Professional Committees**

2010-present Faculty Advisor, AREMA Student Chapter  
1993-1995 Chairperson of the Human Factors Groups, APTS, ITS America  
1991-1996 ITE International Educators Council  
1990-1996 ITE Student's Chapters Committee  
1986 ASME, Willamette Valley Section, Membership Development  
1982-1984 CMBES, National Treasurer  
1982-1983 ASME, British Columbia Section: Chairman,  
1982-1983 CMBES, British Columbia Chapter: Chairperson  
1981-1982 CMBES, British Columbia Chapter: Vice Chairperson  
1981 ASME Medical Devices and Sporting Equipment Committee  
1981 Canadian Standards Association: Technical Committee on Technology for Handicapped  
1980-1982 ASME, British Columbia Section: Secretary,

**OSU Committees (Major Committees)**

2011-present OSU Faculty Senate Executive Committee  
2011-present OSU Faculty Senate President Elect  
2011-present OSU Campus Planning Committee  
2010-Present OSU Space Planning Committee  
2009-present Academic Appointments Committee  
2008 OSU Faculty Senate Executive Committee  
2006-2008 OSU Inter-Institutional Faculty Senator  
2005-2010 OSU Faculty Senate, Engineering Senator  
2004-2005 Co –Chair OSU Curriculum Council  
2002-2005 OSU Curriculum Council,  
2001-2004 OSU Faculty Status Committee  
1991-present OSU/Advisory Committee for Persons with Disabilities,  
1988-1990 OSU Architectural Barriers Committee,  
1985-1986 OSU ITE Student Chapter Vice Chairman

**Community Boards**

1993-1996 Corvallis Economic Development Partnership: Corvallis Airport Development Project  
1993-1995 Benton County Special Transportation Advisory Committee  
1983-1986 Westminster House Board Member and Vice Chairman

**PUBLICATIONS**

**Book Chapters**

Hunter-Zaworski, K.M. "Accessible Public Transportation." In Bauer, S.M., Bunning, M.E.,

- Flagg, J.L., Strobel, W.A. (Eds.) Industry profile on wheeled mobility. Rehabilitation Engineering Research Center on Technology Transfer. 2009
- Hunter-Zaworski, K.M. and Nead, R., "Transportation, Driving and Community Access", *"Spinal Cord Injuries; Management and Rehabilitation"*, Sisto, Druin and Sliwinski, editors, Elsevier Inc, ISBN 9780323006996, 2008 Chapter 21, pgs 495-518
- Hunter-Zaworski, K.M. "Accessible Public Transportation Services in America," in *"The Engineering Handbook on Smart Technology for Aging, Disability and Independence,"* A. Helal, M. Mokhtari and B. Abdulrazak, Editors, John Wiley & Sons. ISBN 0471711551, Computer Engineering Series, 2008.
- Hunter-Zaworski, K.M. "Universal Design in Public Transportation: "Segway" to the Future", *"Universal Design and Visitability"*, J. Nasar and Evans Cowley, J, Editors, Columbus Ohio, 2007, Chapter 4 , pgs 51-68.

### **Technical Journals**

- Zaworski, J.R. K.M. Hunter-Zaworski, and M. Baldwin, "Bus Dynamics for Mobility Aid Securement Design", *Assistive Technology*, RESNA Press, Volume 19, Winter 2007, Pgs. 200-209
- Hunter-Zaworski, K.M. "Getting Around in an Aging Society", *Planning*, American Planning Association, May 2007, pages 22-24
- Blacketer, R., J.R., Zaworski, and K.M. Hunter-Zaworski, "Field Testing of Intrusion Detection Technologies for High-Speed Rail Grade Crossings", *Transportation Research Record* 1918 Washington, DC, 2005. pp.10-17
- Grile, C., K.M. Hunter-Zaworski, and C. Monsere, "Programming Safety Improvements on Pavement Resurfacing, Restoration, and Rehabilitation Projects", *Transportation Research Record* 1922 Washington, DC, 2005. pp.73-78
- Hunter-Zaworski, K.M. "Accessible Aircraft Boarding", *International Airport Review*, Volume 9, Issue 1 2005. pg 77-84
- Zaworski, J.R., and K. M. Hunter-Zaworski, "Laboratory Evaluation of Intrusion Detection Technologies for High-Speed Rail Grade Crossings", (*Transportation Research Record* 1862 Washington, DC, 2004. pp.119-126
- Hunter-Zaworski, K.M. and Zaworski, J.R., "Progress in Wheelchair Securement: 10 Years Since the American With Disabilities Act" (*Transportation Research Record* 1779 Washington, DC, 2002.
- Hunter-Zaworski, K.M., and R. Stewart, "The Next Frontier in Accessible Traveler Information Systems: World Wide Web-Based Information Systems," *Transportation Research Record* 1671, Washington, DC, 1999, pp. 1-4.
- Hunter-Zaworski, K.M. and Zaworski, J.R., "Auto Engaging Mobility Aid Securement Systems and Low Floor Buses," (*Transportation Research Record* 1671, Washington, DC, 1999, pp. 27-33.
- Hunter-Zaworski, K.M. and M.L. Hron, "Improving Bus Accessibility Systems for Persons with Cognitive Disabilities," *Transportation Research Record* 1671, Washington, DC, 1999, pp. 34-39.
- Hunter-Zaworski, K.M. and M.L. Hron "Improving Bus Accessibility Systems for Persons with Sensory Disabilities," *Transportation Research Record* 1671, Washington, DC, 1999, pp. 40-47.
- Beckwith, D. and K.M. Hunter-Zaworski, "Passive Pedestrian Detection at Unsignalized Crossings," *Transportation Research Record* 1636, Washington, DC, 1998, pp. 96-103.
- Hunter-Zaworski, K.M., W. Kloos, and A. Danaher, "Bus Priority at Traffic Signals in Portland: The Powell Boulevard Pilot Project," *Transportation Research Board Record* #1503, Washington, DC, 1995, pp. 29-33
- Hunter-Zaworski, K.M., "Accessing Public Transportation: New Technologies Aid Persons with Sensory or Cognitive Disabilities," *TR News Number* 175, November-December 1994, pp. 24-29.

- Hunter-Zaworski, K.M., and D.G Ullman,. “The Mechanics of Mobility Aid Securement/Restraint on Public Transportation Vehicles,” *Transportation Research Record 1378*, 1993, pp. 45-51.
- Hunter-Zaworski, K.M. “A Study of Human Factors of Elderly and Handicapped Passengers in Public Transportation Safety,” in *Mobility and Transport for Elderly and Disabled Persons*, (Norrbon and Stahl, Eds.), Gordon and Breach Science Publishers, Reading, England, 1991, pp. 576-591.
- Hunter-Zaworski, K.M. “The Performance of Drivers with Physical Limitations at T-Intersections,” in *Mobility and Transport for Elderly and Disabled Persons*, (Norrbon and Stahl, Eds.), Gordon and Breach Science Publishers, Reading, England, 1991, pp. 351-360.
- Hunter-Zaworski, K.M. “T-Intersection Simulator Performance of Drivers with Physical Limitations,” *Transportation Research Record 1281*, Transportation Research Board, 1990.
- Hunter-Zaworski, K.M. “A Synopsis of Accessibility Features of Skytrain – Vancouver’s Rapid Transit System,” *ITE Journal*, January 1989, pp. 23-27.
- Hunter-Zaworski, K.M. and R.D. Layton, “Barriers and Safety Risks for Transportation Disadvantaged Air Travelers,” *Transportation Research Record 1098*, Transportation Research Board, 1986.

#### **Conference Proceedings (Refereed)**

- Hunter-Zaworski, K.M., T. O’Connell, M. Rothberg, and G. Freed, “Communicating Transit Information to People with Sensory Disabilities” *Proceedings 18th World Congress on Intelligent Transport Systems*, Orlando FL, October 2011
- Hunter-Zaworski, “Impacts of Low-Speed Vehicles on transportation infrastructure and Safety” *Proceedings World Symposium of Transport and Land Use Research*, Whistler BC. Canada July 28-30, 2011
- Mueller, Jonathan, and K.M. Hunter-Zaworski, “Evaluation of Alternative Pedestrian Traffic Control Devices”, *Proceedings 2011 ITE Western District Annual Meeting*, Anchorage Alaska, July 12, 2011
- Hunter-Zaworski, K.M., “The Future of Accessible Transportation: Meeting the Needs of Travelers with Sensory and Cognitive Disabilities”, Plenary Speech, *Proceedings, 12<sup>th</sup> International Conference on Mobility and Transportation for Elderly and Disabled Persons*, Hong Kong. June 2010
- Hunter-Zaworski, K.M and J.R. Zaworski, “Safe Aircraft Stowage of Wheelchairs”, *Proceedings 12<sup>th</sup> International Conference on Mobility and Transportation for Elderly and Disabled Persons*, Hong Kong. June 2010
- Hunter-Zaworski, K.M., M. Pavol, and K. Philbrik, “Minimum Spatial Requirements for an Aircraft Lavatory”, *Proceedings 12<sup>th</sup> International Conference on Mobility and Transportation for Elderly and Disabled Persons*, Hong Kong. June 2010
- Zaworski, J.R and K.M. Hunter-Zaworski, “Changes in US aircraft boarding equipment regulations”, *Proceedings 12<sup>th</sup> International Conference on Mobility and Transportation for Elderly and Disabled Persons*, Hong Kong. June 2010
- Zaworski, J.R and K.M. Hunter-Zaworski, “Challenges in accessible seating for aircraft, *Proceedings 12<sup>th</sup> International Conference on Mobility and Transportation for Elderly and Disabled Persons*, Hong Kong. June 2010
- Rutenberg, U., and K.M. Hunter-Zaworski, “Design of a Personal Digital Assistant (PDA) to access real time travel” *Proceedings 12<sup>th</sup> International Conference on Mobility and Transportation for Elderly and Disabled Persons*, Hong Kong. June 2010
- Lesser, V., K. Hunter-Zaworski, L. Newton and D. Yang., “Using Multiple Survey Modes in a

- Study of Individuals with Disabilities”. Presented at the American Association for Public Opinion Research, New Orleans, Louisiana, May, 2008.
- Hunter-Zaworski, K.M., “Standards for Accessible Lavatories for Commercial Aircraft”, Paper No. 1095, *Proceedings*, 11<sup>th</sup> International Conference on Mobility and Transportation for Elderly and Disabled Persons, Montreal, Canada. June 2007
- Hunter-Zaworski, K.M., “Accessible In Flight Entertainment Systems”, Paper No. 1096, *Proceedings*, 11<sup>th</sup> International Conference on Mobility and Transportation for Elderly and Disabled Persons, Montreal, Canada. June 2007
- Hunter-Zaworski, K.M., “Community Bus Transportation: An Emerging Transit Mode”, Paper No. 1097, *Proceedings*, 11<sup>th</sup> International Conference on Mobility and Transportation for Elderly and Disabled Persons, Montreal, Canada. June 2007
- Zaworski, R.J. and K.M. Hunter-Zaworski, “Proposed Guidelines for Web Accessibility for the Travel Industry”, Paper No, 1108, *Proceedings*, 11<sup>th</sup> International Conference on Mobility and Transportation for Elderly and Disabled Persons, Montreal, Canada. June 2007
- Hunter-Zaworski, K.M., “U.S. Passenger Rail Accessibility: A Regional Perspective”, Paper No. 1170, *Proceedings*, 11<sup>th</sup> International Conference on Mobility and Transportation for Elderly and Disabled Persons, Montreal, Canada. June 2007
- Rutenberg, U., and K.M. Hunter-Zaworski, “Real Time Communication Onboard Vehicles for Sensory Impaired Passengers”, Paper No. 1157, *Proceedings*, 11<sup>th</sup> International Conference on Mobility and Transportation for Elderly and Disabled Persons, Montreal, Canada. June 2007
- Rutenberg, U., and K.M. Hunter-Zaworski, “Access to Over the Road Buses for Passengers with Disabilities”, Paper No. 1158, *Proceedings*, 11<sup>th</sup> International Conference on Mobility and Transportation for Elderly and Disabled Persons, Montreal, Canada. June 2007
- Hunter-Zaworski, K.M., and J.R. Zaworski, “Wheelchair Stowage on Aircraft”, Paper No. 1169, *Proceedings*, 11<sup>th</sup> International Conference on Mobility and Transportation for Elderly and Disabled Persons, Montreal, Canada. June 2007
- Hunter-Zaworski, K.M., and J.R. Zaworski, “BRT and Rear Facing Wheelchair Securement: An essential New Approach, Proceedings APTA Bus Technology Conference, Anaheim CA April 2006,
- Hunter-Zaworski, K.M., “Universal Design” American Planning Association, Lincoln Institute of Land Policy, Audio Conference and Training CD-ROM January 2007
- Hunter-Zaworski, K.M., Zaworski, J.R., and Lesser, V., “Survey of Airport Features for Persons with Disabilities”, Paper Number 06-0384) *Proceedings* Transportation Research Board Annual Meeting. Washington, DC January 2006
- Hunter-Zaworski, K.M., and J.R. Zaworski, “Wheelchair Securement for Urban Transit Vehicles: It’s Time to Address the Other Side of the Problem”, Paper Number 06-0893, *Proceedings*, Transportation Research Board Annual Meeting. Washington, DC January 2006
- Hunter-Zaworski, K.M., “Communication Technologies in Transportation Terminals for Passengers with Sensory Impairments”, Proceedings, ITS World Congress, San Francisco, November 9, 2005
- Zaworski, J.R., and K.M. Hunter-Zaworski, and M. Baldwin, Bus Dynamics for Mobility Aid Securement Design ,Paper Number 05-0964, *Proceedings*, Transportation Research Board Annual Meeting. Washington, DC January 2005
- Grile, C., K.M. Hunter-Zaworski, and C. Monsere, “Programming Safety Improvements on Pavement Resurfacing, Restoration and Rehabilitation Projects”, Paper No. 05-0077, *Proceedings* Transportation Research Board Annual Meeting. Washington, DC January 2005
- Blacketer, R., J.R. Zaworski and K.M. Hunter-Zaworski, “Field Testing of Intrusion Detection Technologies at High Speed Rail Crossings”, Paper Number 05-0572, *Proceedings* Transportation

- Research Board Annual Meeting. Washington, DC January 2005
- Hunter-Zaworski, K.M., Zaworski, J.R. and Rutenberg, U., "Accessible Traveler Information Systems", *Proceedings*, 10<sup>th</sup> International Conference on Mobility and Transportation for Elderly and Disabled Persons, Hamamatsu, Japan, May 2004
- Hunter-Zaworski, K.M., Zaworski, J.R. and Rutenberg, U "Accessible Air Transportation Boarding Systems", *Proceedings*, 10<sup>th</sup> International Conference on Mobility and Transportation for Elderly and Disabled Persons, Hamamatsu, Japan, May 2004
- Zaworski, J.R. and K.M. Hunter-Zaworski "Railroad Intrusion Detection" 12<sup>th</sup> National Rural ITS Conference, Palm Harbor Florida, August 2003
- Quinn, M., Metoyer, M., and Hunter-Zaworski, K.M., "Para Parallel Implementation of the Social Forces Model", Pedestrian and Evacuation Dynamics Conference, London U.K. July 2003
- Hunter-Zaworski, K.M. and J.R. Zaworski, "Progress in Wheelchair Securement: the Last Decade", *Proceedings*, 9th International Conference on Mobility and Transportation for Elderly and Disabled People, Warsaw, Poland, July 2001.
- Hunter-Zaworski, K.M., and R. Fynn, Cross Border Benefits of the COATS Project", *Proceedings of the ITE Quad Conference*, Vancouver , B.C. April 2001
- Hunter-Zaworski, K.M., "Auto Engaging Mobility Aid Securement Systems and Low Floor Buses," *Proceedings*, 8th International Conference on Mobility and Transportation for Elderly and Disabled People, Perth, Australia, September 1998.
- Hunter-Zaworski, K.M., "Accessible Intelligent Transport System Technology, Development of Ergonomic Guidelines for Passenger Information Systems," *Proceedings*, 8th International Conference on Mobility and Transportation for Elderly and Disabled People, Perth, Australia, September 1998.
- Hunter-Zaworski, K.M., "The Development of Ergonomic Performance Guidelines for Customer Information Systems: A Synthesis of an International Effort," *Proceedings*, 7th International Conference on Mobility and Transport for Elderly and Disabled Persons, Reading, England, July 1995, Volume 1, pp. 343-349, Cranfield Press.
- Kloos, W., Hunter-Zaworski, K.M. and Danaher, A., "Winning Riders by Reducing Travel Times," *Proceedings*, American Public Transit Association 1994 Bus Operations & Technology Conference, Richmond, VA, May 1994.
- Kloos, W., Hunter-Zaworski, K.M. and Danaher, A., " "Bus Priority at Traffic Signals in Portland: The Powell Boulevard Pilot Project," Institute of Transportation Engineers 1994, Compendium of Technical Papers, ITE, Washington, DC, 1994.
- Hunter-Zaworski, K.M., "The Development of Ergonomic Guidelines for Electronic Customer Information Systems," *Proceedings*, First World Congress on Intelligent Transportation Systems, Paris, France, December 1994.
- Hunter-Zaworski, K.M., "Universal Securement/Restraint System for Wheeled Mobility Aids on Public Transportation Vehicles," *Proceedings*, 6th International Conference on Mobility and Transport for Elderly and Disabled Persons, Lyon, France, May 1992, pp. 678-682.
- Hunter-Zaworski, K.M., "The Performance of Drivers with Physical Limitations at T-Intersections," *Proceedings*, 5th International Conference on Mobility and Transport for Elderly and Disabled Persons, Stockholm, Sweden, May 1989.
- Hunter-Zaworski, K.M., " Study of Human Factors of Elderly and Handicapped Passengers in Public Transportation Safety," *Proceedings*, 5th International Conference on Mobility and Transport for Elderly and Disabled Persons, Stockholm, Sweden, May 1989.



- Hunter-Zaworski, K.M., "A Synopsis of Accessibility Features of Skytrain: the Advanced Light Rapid Transit System in Vancouver, B.C.," Best Paper Award at the 1988 Annual Meeting of the Institute of Transportation Engineers, Vancouver, September 1988.
- Hunter, K.M., V. Ko, and R. Suggitt, "The Bed Turner," *Proceedings*, Sixth Annual Conference on Rehabilitation Engineering, June 1983.
- Hunter, K.M. and J.V. Ford, "Torso Rotator," *Proceedings*, Fifth Annual Conference on Rehabilitation Engineering, August 1982.
- Hunter, K. M., "A Systematic Approach to Rehabilitation Engineering Design Problems," *Proceedings*, International Conference on Rehabilitation Engineering, Toronto, June 1980.

### **Reports and Others**

- Hunter-Zaworski, K.M., L. Cornell, and M. Jannett, "Impacts of Low-Speed Vehicles on Transportation Infrastructure and Safety," Oregon Transportation, Research and Education Consortium, Final Report, OTREC-RR-10-19, December 2010.
- Hunter-Zaworski, K.M. "Accessible Aircraft Lavatory Guidelines" Prepared for US Department of Transportation, Office of the Secretary, Washington, D.C. Submitted August 2009.
- Hunter-Zaworski, K.M. and J.R. Zaworski, "Dynamics of Small Transit Vehicles" Final Report, Public Transit Division, Oregon Department of Transportation, June 2009.
- Hunter-Zaworski, K.M., and J.R. Zaworski. "Independent Wheelchair Securement" IDEA Project T-57 Final Report, National Academies, Washington DC, May 2009.
- Hunter-Zaworski K.M. "Charting the Future of Accessible Public Transportation" State of the Science Summary Report, National Center for Accessible Transportation, Oregon State University, January 2008
- Hunter-Zaworski, K.M., and J.R. Zaworski, "Assessment of Rear Facing Wheelchair Accommodation on BRT Vehicles" IDEA Project T-38 Final Report, National Academies, Washington DC, December 2004
- Hunter-Zaworski, K.M., and J.R. Zaworski, "Field Testing of Intrusion Detection Technologies for High Speed Rail Grade Crossings", Oregon Department of Transportation, Salem, OR, December 2004
- Hunter-Zaworski, K.M., and J.R. Zaworski, "Evaluation of Intrusion Detection Technologies for High Speed Rail Grade Crossings", Oregon Department of Transportation, Salem, OR, December 2003
- Ryus, Paul, A. Danaher, A and K.M., Hunter-Zaworski, "Transit Capacity and Quality of Service Manual", 2<sup>nd</sup> Edition, TCRP Report 100, Transportation Research Board, Washington DC, 2003
- Hunter-Zaworski, K.M. and R.D. Layton, "Adaptation of Workshops for TransNow, OSU and Transpeed," U.S. Department of Transportation Regional Transportation Center TransNow, University of Washington, Seattle, WA, October 2002.
- Hunter-Zaworski, K.M. and S. Albert, "COATS Regional ITS Architecture" Western Transportation Institute, Montana State University, Bozeman Montana, December 2000.
- Hodgson, G., K.M. Hunter-Zaworski, and R.D. Layton, "A Preliminary Assessment of the Effects of Access Management on Pedestrians, Bicycles and Transit," U.S. Department of Transportation Regional Transportation Center TransNow, University of Washington, Seattle, WA, October 1999
- Hunter-Zaworski, K.M., and C. Bricheux, "Application of Ergonomic Guidelines on Emerging Intelligent Transport System (ITS) Technologies for Application to Advanced Public Transportation Systems (APTS) Practice," ITS-IDEA Project #40 Final Report, Transportation Research Board, Washington, DC, February 1998.
- Hunter-Zaworski, K.M., and C. Bricheux, "Design for All Ergonomic Guidelines for Information," The National Academies Transportation Research Board ITS-IDEA Project #40, Washington, DC, January 1998.

- Hunter-Zaworski, K.M., "Evaluation of the Corridor Safety Improvement Program," Final Report, Oregon Department of Transportation, Salem, OR, December 1997.
- Hunter-Zaworski, K.M., and J.R. Zaworski, "Evaluation of the Blue Star Weather Information System," Oregon Department of Transportation, Salem, OR, June 1997.
- Hunter-Zaworski, K.M., and J.R. Zaworski "Demonstration of the Oregon State University Securement System," National Easter Seal Society, Project ACTION, Washington, DC, January 1997.
- Zaworski, D.D., C.A. Bell and K.M. Hunter-Zaworski, "Low Volume Grade Crossing Treatments for the Oregon High Speed Rail Corridor," Oregon Department of Transportation, Salem, OR, December 1996.
- Hunter-Zaworski, K.M. and N. Price, "Evaluation of the Corridor Safety Improvement Program," Oregon Department of Transportation, Salem, OR, December 1996.
- Hunter-Zaworski, K.M. and N. Price, "Determination of Driver Behavior and Speeding," Oregon Department of Transportation, Salem, OR, December 1996.
- Hunter-Zaworski, K.M., N. Price and P. Ryus, "Evaluation of Photo Radar in Portland, Oregon," City of Portland, Transportation Department, December 1996.
- Hunter-Zaworski, K.M., and K. Ayres, "Bus Rapid Transit," U.S. Department of Transportation Regional Transportation Center TransNow, University of Washington, Seattle, WA, December 1996.
- Hunter-Zaworski, K.M. and N. Price, "Analysis of Computer Capabilities of Northwest Paratransit Providers," U.S. Department of Transportation Regional Transportation Center TransNow, University of Washington, Seattle, WA, September 1996.
- Hunter-Zaworski, K.M. and J.R. Zaworski, "Preparation of the OSU Securement System for a Demonstration Project," Final Report, U.S. Department of Transportation, Federal Transit Administration, Washington, DC, Report No. *FTA-OR-26-0003-95*, October 1995.
- Hunter-Zaworski, K.M., "Requirements for Power Mobility Aids," Final Report, Contract No. QA94001001, U.S. Architectural and Transportation Barriers Compliance Board, September 1995.
- Hunter-Zaworski, K.M., "Impact of Urban Bikes on Buses," Final Report, USDOT Regional Center, Transportation Northwest, Seattle, WA, September 1995.
- Hunter-Zaworski, K.M., "Bus Signal Preemption System: Opticom Study," Final Report, USDOT Regional Center, Transportation Northwest, Seattle, WA, September 1995.
- Hunter-Zaworski, K.M., and J.R. Zaworski, "ITS Applications to High Speed Rail Grade Crossing Study," Final Report, USDOT Regional Center, Transportation Northwest, Seattle, WA, September 1995.
- Hunter-Zaworski, K.M., "The Development of Ergonomic Guidelines for Electronic Customer Information Systems," U.S. Department of Transportation, Federal Transit Administration, Washington, DC, Report No. *FTA-OR-26-7000-94-1*, December 1994.
- Hunter-Zaworski, K.M., "Powell Boulevard Bus Signal Priority Pilot Project," Final Report, USDOT Regional Center, Transportation Northwest, Seattle, WA, September 1994.
- Hunter-Zaworski, K.M. and M. Hron, "Improving Bus Accessibility Systems for Persons with Sensory and Cognitive Impairments," Final Report, U.S. Department of Transportation, Federal Transit Administration, Washington, DC, Report No. *FTA-OR-11-0007-93-1*, August 1993.
- Hunter-Zaworski, K.M., D.G. Ullman, and J.R. Zaworski, "Application of the Quality Functional Deployment Method in Mobility Aid Securement System Design Volume 1," Final Report, U.S. Department of Transportation, Federal Transit Administration, Washington, DC, Report No. *FTA-OR-11-0006-92-1*, December 1992, 134 pp.
- Hunter-Zaworski, K.M., D.G. Ullman, and J.R. Zaworski, "The Development of an Independent Locking Securement System for Mobility Aids on Public Transportation Vehicles: Volume 2,"

- Final Report, U.S. Department of Transportation, Federal Transit Administration, Washington, DC, Report No. *FTA-OR-11-0006-92-2*, December 1992, 92 pp.
- Hunter-Zaworski, K.M., D.G. Ullman, and J.R. Zaworski, "Application of the Quality Functional Deployment Method for the Development of an Independent Locking Securement System for Mobility Aids on Public Transportation Vehicles: Executive Summary," U.S. Department of Transportation, Federal Transit Administration, Washington, DC, Report No. *FTA-OR-11-0006-92-2*, December 1992, 14 pp.
- Hunter-Zaworski, K.M., "Second Conference on Mobility Aids and Public Transportation," USDOT Regional Center, Transportation Northwest, Seattle, WA, August 1992, 73 pp.
- Hunter-Zaworski, K.M., "Securement of Non-Traditional Style Wheelchairs on Public Transit Vehicles," USDOT Regional Center, Transportation Northwest, Seattle, WA, September 1990.
- Hunter-Zaworski, K.M., R. Safford and, R.D. Layton, "Human Factors in Public Transportation Safety," USDOT Urban Mass Transportation Administration, Washington, DC, March 1989
- Hunter-Zaworski, K.M., "The Performance of Drivers with Physical Limitations at T-Intersections," Ph.D. Thesis, Oregon State University, Corvallis, 1988.
- Hunter, K.M., "A Systematic Approach to Rehabilitation Engineering Design," M.S. Thesis, University of Tennessee, Knoxville, 1980.

#### **CONFERENCES, SHORT COURSES, AND WORKSHOPS**

- Invited Speaker, "Accessible Real Time Passenger Information: the next frontier in accessible transportation" for FHWA Conference on Technological Innovations in Transportation for People with Disabilities" Workshop held on February 23, 2011
- Speaker, "Vehicle Dynamics Study of Smaller Public Transportation Vehicles Used as Paratransit or Shuttle Vehicles"(11-1064), Session #233 Transportation Research Board Annual Meeting. Washington, DC January 2011
- Speaker, "Accessible Real-Time Information for Travelers with Sensory and Cognitive Disabilities: Next Frontier in Accessible Transportation" (11-1063) Session #370 Transportation Research Board Annual Meeting. Washington, DC January 2011
- Plenary Speaker and Workshop Leader, "Dynamics of Paratransit Vehicles, Implications for Vehicle Operations and Procurement", Oregon Transit Association Conference, Seaside, OR October 27, 2010
- Invited Speaker, "Aging in Place: Life Transitions and Mobility Options for Oregonians, The Oregon Transportation Commission, Bend OR, October 19, 2010
- Participant, "Railroad Engineering Educators Symposium", Overland Park, KS, June 14-16, 2010
- Plenary Speaker, "Sensory and Cognitively Impaired Travelers", 12<sup>th</sup> International Conference on Mobility and Transportation for Elderly and Disabled Persons, Hong Kong. June 2010
- Speaker, "Safe Aircraft Stowage of Wheelchairs", 12<sup>th</sup> International Conference on Mobility and Transportation for Elderly and Disabled Persons, Hong Kong. June 2010
- Speaker, "Minimum Spatial Requirements for an Aircraft Lavatory", 12<sup>th</sup> International Conference on Mobility and Transportation for Elderly and Disabled Persons, Hong Kong. June 2010
- Speaker, "Changes in US aircraft boarding equipment regulations", 12<sup>th</sup> International Conference on Mobility and Transportation for Elderly and Disabled Persons, Hong Kong. June 2010
- Speaker, Challenges in accessible seating for aircraft, 12<sup>th</sup> International Conference on Mobility and Transportation for Elderly and Disabled Persons, Hong Kong. June 2010
- Poster Presentation, "Traveler Assistance Training" 12<sup>th</sup> International Conference on Mobility and Transportation for Elderly and Disabled Persons, Hong Kong. June 2010
- Speaker "Accessibility in Airport Terminal Design and Operations", , Session #216 Transportation Research Board Annual Meeting. Washington, DC January 2010

- Speaker “Wheelchair Analysis for Rear Facing Compartment Design ”, (10-1377), Session #315 Transportation Research Board Annual Meeting. Washington, DC January 2010
- Keynote Speaker, “Importance of a Women’s Perspective in Engineering Design” WISE Seminar, November 7, 2009
- Participant, “Introduction to Practical Railway Engineering Seminar”, Chicago, IL, September 18-20, 2009
- Workshop Leader, (with J.R. Zaworski) “Accessible Aircraft Seating” SAE Committee on Aircraft Seating, Washington DC, September 15-17, 2009
- Moderator, “Accessible Travel and Transportation” IBM/IEEE Accessing the Future Conference, Boston, MA July 20-21, 2009
- Workshop Leader, “Transportation as a Key to Employment” 2008 International Workshop on Leadership, Employment and Disability, (I-LEAD), Eugene, OR March 25, 2009
- Workshop Leader, “Accessible Air Travel” 25<sup>th</sup> International Seating Symposium, Lake Buena Vista FL, March 13, 2009
- Invited Speaker, “Accessible Terminal Transportation”, Universal Access in Airports, Chicago IL, September 29-October 1, 2008
- Invited Keynote Speaker, “ Universal Design in Airports”, Universal Access in Airports, Chicago IL, September 29-October 1, 2008
- Workshop Leader, “Traveler Assistance Training”, with D. Martin, Delta Airlines, West Palm Beach FL, August 8-9, 2008 and October 23-24, 2008
- Guest Speaker, Mobility in an Aging Society”, Women’s Transportation Seminar, Portland OR, October 14, 2008
- Invited Speaker, “Transportation and Aging/Disabilities” Corvallis Parkinson Support Group, September 18, 2008
- Invited Speaker, “Accessible Public Transportation”, NASA Space Grant, OSU Sept 8, 2008
- Invited Speaker, “Access to the Skies”, National Council on Disability Annual Meeting, Seattle WA July 16, 2008
- Speaker, “Charting the Future in Accessible Public Transportation” Federal Laboratory Consortium, Portland OR. May 6, 2008
- Workshop Leader, “Transportation as a Key to Employment” 2008 International Workshop on Leadership, Employment and Disability, (I-LEAD), Eugene, OR March 14, 2008,
- Workshop Leader, “Changes, Challenges and Choices”, OSU Women’s Conference, Corvallis March 1, 2008
- Speaker, “Inclusive Design in Accessible Public Transportation” 2008 International Conference on Aging, Disability and Independence, St. Petersburg Fl, Feb 21-23, 2008
- Speaker, “Real Time Communication and Information Systems” 2008 International Conference on Aging, Disability and Independence, St. Petersburg Fl, Feb 21-23, 2008
- Invited Speaker, “Accessible Technologies for Pedestrians” 14<sup>th</sup> World Congress on Intelligent Transportation Systems, Beijing, The Peoples Republic of China, October, 2007
- Invited Speaker, “Inclusive Design for Real Time Communication Systems” 14<sup>th</sup> World Congress on Intelligent Transportation Systems, Beijing, The Peoples Republic of China, October, 2007
- Speaker, “Standards for Accessible Lavatories for Commercial Aircraft”, 11<sup>th</sup> International Conference on Mobility and Transportation for Elderly and Disabled Persons, Montreal, Canada. June 2007
- Speaker, “Accessible In Flight Entertainment Systems”, 11<sup>th</sup> International Conference on Mobility and Transportation for Elderly and Disabled Persons, Montreal, Canada. June 2007
- Speaker, “Community Bus Transportation: An Emerging Transit Mode”, 11<sup>th</sup> International Conference on Mobility and Transportation for Elderly and Disabled Persons, Montreal, Canada. June 2007

- Speaker, “Proposed Guidelines for Web Accessibility for the Travel Industry”, Paper No, 1108, *Proceedings*, 11<sup>th</sup> International Conference on Mobility and Transportation for Elderly and Disabled Persons, Montreal, Canada. June 2007
- Speaker “U.S. Passenger Rail Accessibility: A Regional Perspective”, Paper No. 1170, *Proceedings*, 11<sup>th</sup> International Conference on Mobility and Transportation for Elderly and Disabled Persons, Montreal, Canada. June 2007
- Poster Presentation, “Wheelchair Stowage on Aircraft” (with Joe Zaworski), 11<sup>th</sup> International Conference on Mobility and Transportation for Elderly and Disabled Persons, Montreal, Canada. June 2007
- Speaker, “Charting the Future in Accessible Public Transportation ” Oregon Association of Area Agencies on Aging and Disabilities, Chairs Quarterly meeting Salem Oregon, June 6, 2007
- Speaker, “Charting the Future in Accessible Public Transportation ” AARP, Washington DC, May 9, 2007
- Speaker, “Transportation and Aging” OSU Gerontology Conference, OSU Corvallis April 10, 2007
- Speaker, “Older Driver: When to take away Mom’s Keys”, Corvallis Senior Center, March 21, 2007
- Presenter, TRB Workshops Session 117’Transportation Issues for Elderly and Disabled Persons, Presentation on NCAT Airport and Traveler Surveys, Sunday Jan 21, 2007
- Presenter, Universal Design Web –Cast Nov 8, 2006 for American Planning Association
- Speaker, “The Universal Access in Travel: Symposium & Exposition”, Baltimore, MD, Nov. 5-7,2006
- Symposium Chair, State of the Science Symposium, Charting the Future in Accessible Transportation, Portland, Oregon October31-November 1, 2006
- Workshop Leader Apprenticeships in Science and Engineering Summer Conference, “Accessible Public Transportation” Corvallis OR July 21,2006.
- Middle School Engineering Summer Camp: July 25, 2006
- Invited Plenary Speaker, Conference on Universal Design and Visitability Conference, The Ohio State University, “Universal Design in Public Transportation: Segway to the Future”, July 12-14, 2006 Columbus Ohio.
- Workshop Leader, “Accessibility Challenges in Transportation” Atlanta GA, RESNA June 25, 2006
- Workshop Presenter, (with R.D. Layton) “Safety Countermeasure”, Corvallis OR, May 31, 2006 2006.
- Speaker, “Accessible Public Transportation and an Aging Society” OSU Center for Healthy Aging, Corvallis, May 10, 2006,
- Speaker, “Interdisciplinary Research in Accessible Transportation” , Oregon High School Guidance Counselors, April 7, 2006
- Speaker, Accessible Public Transportation-Collaborative Research”, OSU Women’s Conference, Corvallis February 11, 2006
- Poster Presentations: (with Joseph Zaworski, and Virginia Lesser) Poster Session #442, “Survey of Airport Features for Persons with Disabilities”, 06-0384), Transportation Research Board Annual Meeting. Washington, DC January 2006
- Poster Presentations: (with Joseph Zaworski) Poster Session #241, “Wheelchair Securement for Urban Transit Vehicles: It’s Time to Address the Other Side of the Problem”, ( 06-0893), Transportation Research Board Annual Meeting. Washington, DC January 2006
- Speaker “Communication Technologies in Transportation Terminals for Passengers with Sensory Impairments”, ITS World Congress, San Francisco, November 9, 2005
- Speaker, Accessible Public Transportation” OSU Mechanical Engineering Seminar, October 28, 2005

- Workshop Leader, (with R.D. Layton) "Design and Control for Older Drivers, Corvallis OR, April 28-29, 2005
- Workshop Leader Apprenticeships in Science and Engineering Summer Conference, "Accessible Public Transportation" Corvallis OR July 2005
- Poster Presentations: (with Cameron Grile, and Chris Monsere) Poster Session #237, "Programming Safety Improvements on Pavement Resurfacing, Restoration and Rehabilitation Projects", ( 05-0077), Transportation Research Board Annual Meeting. Washington, DC January 2005
- Speaker " Field Testing of Intrusion Detection Technologies at High Speed Rail Crossings", ( 05-0572), Session #442, Transportation Research Board Annual Meeting. Washington, DC January 2005
- Speaker "Bus Dynamics for Mobility Aid Securement Design", ( 05-0964), Session #306 Transportation Research Board Annual Meeting. Washington, DC January 2005
- Speaker "Accessible Community Transportation" Oregon Independent Living Conference, Portland OR, December 2004
- Speaker "National Center for Accessible Transportation" Oregon Independent Living Conference, Portland OR, December 2004
- Workshop Leader, Apprenticeships in Science and Engineering Summer Conference, "Why Engineering Needs Women" Corvallis OR July 2004
- Workshop Leader Apprenticeships in Science and Engineering Summer Conference, "Accessible Public Transportation" Corvallis OR July 2004
- Speaker "Accessible Traveler Information Systems", Session T(c)-1, 10<sup>th</sup> International Conference on Mobility and Transportation for Elderly and Disabled Persons, Hamamatsu, Japan, May 2004
- Speaker "Accessible Air Transportation Boarding Systems", Session M(b)-2, 10<sup>th</sup> International Conference on Mobility and Transportation for Elderly and Disabled Persons, Hamamatsu, Japan, May 2004
- Speaker, "Railroad Intrusion Detection-Laboratory Results", Transportation Research Board, Annual Meeting, Session #444, Washington, DC, January 2004.
- Workshop Leader, "Accessible Pedestrian Intersections", Corvallis OR, June 4, 2003,
- Speaker, "Technology and Workforce Transformation: the Transit Industry", Industrial Engineering Research Conference (IERC), Portland May 2003
- Speaker, "Use of Information Technologies in Civil Engineering Education, Colorado State University, Fort Collins, CO , April 11, 2003
- Speaker, "Transportation Education at OSU" at NWTTEA Conference, January 24, 2003
- Speaker, "Life Long Learning and Web Delivery of Transportation Education" at NWTTEA Conference. September 13, 2002
- Conference Co-Chair 2<sup>nd</sup> Conference on Aviation in Oregon, June 18-20, 2002 Redmond Oregon,
- Speaker, "Central Oregon Aviation Education Initiative" 2<sup>nd</sup> Conference on Aviation in Oregon, June 18-20, 2002 Redmond Oregon
- Speaker, "Accessible Public Transportation" Portland State University, May 8, 2002
- Developed new short course on Accessible Intersections, Corvallis OR, April 23, 2002 and Gresham OR April 30, 2002
- Speaker, "Impacts of New Air Travel Security Regulations on Travelers with Disabilities", Transportation Research Board, Annual Meeting, Washington, DC, January 2002
- Workshop Leader, Workshop on Small Airport Security, Corvallis, OR/ October 9, 2001
- Short course Instructor.
- Speaker, " Cross Border Benefits of the COATS Project", ITE Quad Conference Vancouver B.C., April 5-7, 2001

- Workshop Leader, Short course on General Aviation infrastructure, February 5-7, 2001, Corvallis, OR
- Workshop on Transportation Engineering for the Oregon P.E. Review in Bend Oregon, January 27, 2001 ( with Chris Bell)
- Speaker, "Progress in Wheelchair Securement: 10 Years since the Americans With Disabilities Act" Session #64, Transportation Research Board, Annual Meeting, Washington, DC, January 2001
- Workshop Presenter, "Telemedicine, telecommuting and Tele-education Impacts on People with Disabilities, Transportation Research Board, Annual Meeting, Washington, DC, January 2001
- Workshop Leader for ODOT/OSU course on Transportation Planning, Salem Oregon , October 6, 20, November 3, and 17, 2000
- Workshop Leader at Oregon Transit Association Annual Meeting, "Procurement of Advanced Transit Technologies". October 3, 2000 Portland, OR
- Leader of an ITS Peer to Peer Workshop, Redmond, OR, January 31, 2000.
- Leader of an ITS Peer to Peer Workshop, Moderated Workshop on ITS for the Illinois Association for Community Transportation/Illinois Rural Transit Assistance Center, Peoria, IL, October 27, 1999.
- Workshop Leader at Transportation Northwest Conference on Transportation Education, Seattle, WA, July 16, 1999.
- Speaker, "Accessible Traveler Information Systems: Web Based Information Systems," Session #62, Transportation Research Board, Annual Meeting, Washington, DC, January 1999.
- Speaker, "Evaluation of PhotoRadar for City of Portland," (with Nathaniel Price), Session #325, Transportation Research Board, Annual Meeting, Washington, DC, January 1998.
- Speaker, "Passive Pedestrian Detection at Unsignalized Crossings," (with Dana Beckwith), Session #387, Transportation Research Board, Annual Meeting, Washington, DC, January 1998.
- Speaker, "Auto Engaging Securement Systems and Low-Floor Buses," Session #425, Transportation Research Board, Annual Meeting, Washington, DC, January 1998.
- Poster Presentation, "Passive Pedestrian Detection Sensor Selection Using the Quality Functional Deployment Method," (with Dana Beckwith), Session #6, Transportation Research Board, Annual Meeting, Washington, DC, January 1998.
- Workshop Leader, "Pedestrian Safety", Oregon Safety Conference, Eugene, OR, October 1997.
- Workshop Leader, " Advanced Technology", National Transit Institute, San Bernardino, CA, September 8, 1997.
- Workshop Leader, Workshops on Pedestrian Safety, Oregon Department of Transportation, Portland, Grants Pass, Salem and Bend, OR, 1997.
- Workshop Leader (with Multisystems), "Workshop on Procurement of Advanced Technology", National Transit Institute (Seattle, WA, April 1997.
- Workshop Leader, "Workshop on Accessibility and Advanced Technology", 15th National Conference on Accessible Transportation, Orlando, FL, November 11-14, 1996.
- Workshop Leader, "Workshop on Procurement of Advanced Technology", National Transit Institute, Rutgers University, New Brunswick, NJ, October 21-23, 1996.
- Workshop Leader, "Workshop on Management and Organization", Tri-Met's Operations Division, Portland, OR, September 20-21, 1996; November 7-8, 1996; November 15, 1996.
- Workshop Leader , "Workshop on Accessible Communications Systems", AMTRAK, Washington, DC, September 12, 1996.
- Workshop Leader, "Workshop on Public Transportation", Tri-Met's Legal Department, Portland, OR, July 5-6, 1996.
- Workshop Leader , "Workshop on Advanced Technology and Transit", Victoria, BC, June 17-18, 1996.
- Workshop Leader , "Workshop on Design of Bicycle and Pedestrian Facilities", Corvallis, OR, March 7-8, 1996.

- Workshop Leader , “Workshop for the Southwest Transit Association”, Santa Fe, NM, January 29, 1996.
- Workshop Leader, “Advanced Technology Procurement”, Oregon Transit Association, Seaside, OR, October 1995.
- Workshop Leader, “Ergonomic Guidelines for Passenger Information Systems”, Reading, England, July 1995.
- Invited Panelist, “Review of Research Needs Regarding Information for Pedestrians Who are Blind or Visually Impaired at Intersections”, Project ACTION Access Board, Washington, DC, June 1995.
- Workshop Leader, “Workshop on New Technologies in Transportation”, Community Transportation Association of America, Annual Conference, , Portland, OR, May 1995.
- Panel Member, Women’s Transportation Seminar, Annual Meeting in Philadelphia, PA, May 1995.
- Invited Speaker, 1st National Conference on Transporting People with Disabilities, Orlando, FL, April 1995.
- Workshop Leader, “Workshop on Human Factors Issues of APTS”, American Public Transit Association, Bus Technology Conference Reno, NV, April 1995.
- Invited Presenter, “User Information Committee Meeting”, Transportation Research Board, Washington, DC, January 1995.
- Speaker, “The Development of Ergonomic Guidelines for Electronic Customer Information Systems,” Transportation Research Board Annual Meeting, Washington, DC, January 1995.
- Workshop Leader, Technology Sharing Program, University of Wisconsin-Milwaukee, Tampa, FL, October 1994.
- Workshop Leader, American Public Transit Association, Workshop on Advanced Public Transportation Systems, Richmond, VA, May 1994.
- Speaker, TransNow Regional Conference, Seattle, WA, May 1994.
- Organized and Chaired Third Conference on Mobility Aids and Public Transportation, Portland, OR, May 2-3, 1994.
- Workshop Leader, Association of Women in Science, Corvallis, April 1994.
- Workshop Leader, Metropolitan Transit Commission (MTC), Oakland, CA, January 1994.
- Invited Speaker, Minnesota Public Transit Association Annual Meeting, St. Cloud, MN, October 28, 1992.
- Speaker, TRB’s 13th National Conference on Specialized Transportation, Tampa FL, October 25-27, 1992.
- Workshop Leader, Technology Sharing Program, University of Wisconsin-Milwaukee, Tampa, FL, October 24, 1992.
- Invited Speaker, American Public Transit Association, Annual Meeting, San Diego, CA, October 19, 1992.
- Invited Speaker and Workshop Leader, Oregon Transportation Association Annual Meeting, Portland, OR, October 5, 1992.
- Invited Speaker and Session Chair, TRB’s National Conference on Advanced Technologies in Public Transportation, San Francisco, August 1992
- Invited Speaker, Government Affairs Conference, American Public Transit Association, Portland, OR, June 30, 1992.
- Invited Speaker, Community Transport Association of America, Kansas City, May 19-22, 1992.
- Invited Speaker, TransNow Annual Meeting of the Advisory Board, Seattle, May 4, 1992.
- Invited Speaker, Independence 92, Vancouver, BC, April 22-26, 1992.
- Organized and sponsored the Second Conference on Mobility Aids and Public Transportation, Portland, OR, March 16-17, 1992.
- Invited Speaker, Access to the Skies, Seattle, WA, January 9-11, 1992



- Invited Speaker, ADA Implementation Conference, American Public Transit Association, Seattle, WA, December 9-10, 1991
- Invited Speaker, ADA Short Course, University of Wisconsin-Milwaukee, August 26, 1991
- Panelist, Transportation Research Board Annual Meeting, January 1991
- Speaker, Oregon Traffic Safety Commission Short Course, Traffic Engineering Fundamentals, December 12, 1990
- Speaker, Oregon State Annual Transportation Conference, Eugene, OR, October 15, 1990
- Speaker, Washington State Annual Transportation Conference, Tacoma, WA, September 5-6, 1990
- Organized and sponsored the Wheelchairs and Public Transportation Conference, Seattle, WA, June 7-8, 1990
- Speaker, "The Status of Wheelchair Occupant Restraint Structures for Motor Vehicles: Transportable Devices," presented at the 69th Annual Meeting of the Transportation Research Board, Washington, DC, January 1990.
- Speaker "T-Intersection Simulator Performance of Drivers with Physical Limitations," presented at the 69th Annual Meeting of the Transportation Research Board, Washington, DC, January 1990.
- Presenter, "Travelling Disadvantaged and Advanced Rapid Transit System in Vancouver, Canada: A report on all the accessibility issues," the Fourth International Conference on Mobility and Transport for Elderly and Disabled Persons, Vancouver, July 1986.
- Presenter, "Barriers and Safety Risks for Transportation Disadvantaged Air Travelers," Transportation Research Board Annual Meeting, Washington, DC, January 1986.
- Speaker, "Design Factors for the Accessible Advanced Light Rapid Transit System in Vancouver, B.C.," Transportation Research Board Annual Meeting, Washington, DC, January 1985.

#### **INTERNATIONAL ACTIVITIES**

- Scientific Committee Member, Plenary Speaker, Workshop leader, Session Chair and Moderator, 12th International Conference on Transport for Elderly and Disabled Persons, Hong Kong (2010)
- Keynote Speaker, "Accessible Public Transportation", Canadian Transportation Agency, Gatineau, PQ Canada, July 15, 2009
- Keynote Speaker, "Traveler Assistance Training", Canadian Transportation Agency, Gatineau, PQ Canada, July 15, 2009
- Scientific Committee Member, Session Chair and Moderator, 11th International Conference on Transport for Elderly and Disabled Persons, Montreal Canada (2007)
- Plenary Session Chair 10<sup>th</sup> International Conference of Transport for Transport for Elderly and Disabled Persons, Hamamatsu, Japan, May 2004,
- Keynote Speaker, "Sustainable Transportation Planning for the 2010 Winter Olympics in Vancouver B.C.", Women's Transportation Seminar, Richmond B.C., January 4, 2003
- Speaker, "Cross Border Benefits of the COATS Project", ITE Quad Conference Vancouver B.C., April 5-7, 2001
- Scientific Committee Member, 9<sup>th</sup> International Conference of Transport for Transport for Elderly and Disabled Persons, Warsaw Poland July 2001
- Scientific Committee Member, 8th International Conference on Transport for Elderly and Disabled Persons, Perth, Australia 1998
- Consultant to Transport Canada on Ergonomic Issues of Customer Information Systems, Montreal, Canada, July 1995.
- Scientific Committee Member, 7th International Conference on Transport for Elderly and Disabled Persons, Reading, England, July 1995.
- Consultant to Transport Canada on Audio-Visual Communications Systems, Montreal, Canada, 1994-2004

Chair of International Committee to Develop Ergonomic Performance Guidelines for Customer Information Systems, TRB-ECMT-EEC, 1993-1999.  
Scientific Committee Member, 6th International Conference on Mobility and Transport for Elderly and Disabled Persons, Lyon, France, May 31-June 3, 1992.  
Consultant to B.C. Transit, Vancouver, B.C., on Fixed Route Accessibility, 1990.  
Consultant to Transport Canada's Transportation Development Centre, Montreal, Quebec, on the Development of Wheelchair Occupant Restraint Standards, 1989.  
Scientific Committee Member, 5th International Conference on Mobility and Transport for Elderly and Disabled Persons, Stockholm, Sweden, May 1989.

## **RESEARCH GRANTS**

### **Prior Research**

#### **Principal Investigator**

"Transportation Engineering Short Courses (with R.D. Layton), ODOT, Oregon Traffic Safety Section, \$210,000, October 1, 2010-September 30, 2011.  
"Transportation Engineering Short Courses (with R.D. Layton), ODOT, Oregon Traffic Safety Section, \$180,000, October 1, 2009-September 30, 2010.  
"Impacts of Neighborhood Electric Vehicles on Transportation Infrastructure Safety and Regulation". Oregon Transportation Research and Education Consortium", \$70,611, October 1, 2009-March 31, 2011  
"Independent Wheelchair Securement, National Academies, IDEA Project T-57, \$78,000, November 1, 2008 –April, 2010.  
"Determination of Mid-Sized Vehicle Dynamics, ODOT, Public Transit Divisions, \$76,232, July 1, 2008 – June 30, 2009  
"Transportation Engineering Short Courses (with R.D. Layton), ODOT, Oregon Traffic Safety Section, \$180,000, October 1, 2008-September 30, 2009.  
"Virtual Accessible Lavatory Validation Tool, " The Boeing Company". October 2006-June 2008, \$86,000  
"Transportation Engineering Short Courses (with R.D. Layton), ODOT, Oregon Traffic Safety Section, \$180,000, October 1, 2007-September 30, 2008.  
"Transportation Engineering Short Courses (with R.D. Layton), ODOT, Oregon Traffic Safety Section, \$180,000, October 1, 2006-September 30, 2007.  
"Transportation Engineering Short Courses (with R.D. Layton), ODOT, Oregon Traffic Safety Section, \$181,000, October 1, 2005-September 30, 2006.  
"Transportation Engineering Short Courses (with R.D. Layton), ODOT, Oregon Traffic Safety Section, \$176,000, October 1, 2004-September 30, 2005  
"Update and Enhancements of ODOT's Crash Reduction Factors, ODOT, (with Portland State University) , \$23,372, December 1, 2003- June 30, 2005  
"Rehabilitation Engineering Research Center for Accessible Public Transportation, U.S., Department of Education National Institute for Disability and Rehabilitation Research, \$4,975,000, October 1, 2003-December, 2009.  
"Transportation Engineering Short Courses (with R.D. Layton), ODOT, Oregon Traffic Safety Section, \$158,000, October 1, 2003-September 30, 2004.  
"Assessment of Rear Facing Wheelchair Accommodation on BRT Vehicles" National Academies, IDEA Project T-38, \$81,700, August 27, 2003 –December 31, 2004  
"Field Study to Evaluate Intrusion Detection and Locked Gate Technology at Low Volume Grade Crossings on the HSR Corridor," Oregon Department of Transportation, Federal Highway Administration, \$61,000, February 8, 2003-December 31, 2003.

- “Transportation Engineering Short Courses (with R.D. Layton), ODOT, Oregon Traffic Safety Section, \$158,000, October 1, 2002-September 30, 2003.
- “Transportation Engineering Short Courses (with R.D. Layton), ODOT, Oregon Traffic Safety Section, \$157,291, October 1, 2001-September 30, 2002.
- “Adaptation of Workshops for NW Training Alliance” TransNow, Seattle, WA, \$60,350, March 1, 2001- February 2002
- “Highway Engineering Short courses and Technical Assistance,” (with R.D. Layton), ODOT, Oregon Traffic Safety Section, \$133,247, October 1, 2000-September 30, 2001.
- “Development of a Primer of Aviation,” NASA Montana Space Grant Consortium, \$25,125, January 31, 2000-March 31, 2002
- “Field Study to Evaluate Intrusion Detection and Locked Gate Technology at Low Volume Grade Crossings on the HSR Corridor,” Department of Transportation University Transportation Centers, Western Transportation Institute, \$69,944 and Federal Highway Administration, \$130,500, October 1, 1999-December 31, 2002.
- “Highway Engineering Short courses and Technical Assistance,” (with R.D. Layton), ODOT, Oregon Traffic Safety Section, \$128,288, October 5, 1998-September 30, 1999.
- “STIP Safety Investment Program Countermeasure Decision Matrix Development,” (with R.D. Layton), ODOT, \$9,887, August-September 1998.
- “Developing Laboratory Materials for the Required Junior Level Transportation Engineering Course,” (with M. Kyte, University of Idaho), TransNow, Seattle, WA, \$124,386, September 1997-August 1999.
- “Access Management Impacts on Pedestrians and Bicycles,” US Department of Transportation Regional Transportation Center, TransNow, Seattle, WA, \$186,191, September 1996-August 1999.
- “Application of Ergonomic Guidelines for APTS Technology to Practice,” TCRP / IDEA, \$66,885, October 1996-June 1998.
- “Bluestar Weather Information System Evaluation,” ODOT, \$41,396, November 1996-June 1997.
- “Determination of Motorist Behavior,” ODOT, \$25,343, March 1996-September 1996.
- “Photo Radar Evaluation,” City of Portland, \$17,000, September 1996-December 1996.
- “Pedestrian Design and Control Guide and Workshops,” (with R.D. Layton), ODOT, \$20,000, October 1995-June 1997.
- “Evaluation of the Corridor Safety Improvement Program,” ODOT, \$142,138, April 15, 1995-December 31, 1998.
- “Demonstration of the OSU Securement System,” Project ACTION, \$50,000, April 1995-July 1996.
- “Transit Operations,” TransNow (University of Washington), \$107,453, September 1, 1995-August 31, 1996.
- “Survey of Training for Paratransit Computerization,” TransNow (University of Washington), \$35,758, September 1, 1994-August 31, 1996.
- “Low Volume Grade Crossings for the Oregon High Speed Rail Corridor,” ODOT, \$14,000, September 1, 1994-June 30, 1996.
- “IVHS Solutions for High Speed Rail Crossings and Low Volume Roads,” TransNow (University of Washington), \$49,330, September 1, 1994-August 31, 1995.
- “Impact of Urban Bikes on Buses,” TransNow (University of Washington), \$18,799, September 1, 1994-August 31, 1995.
- “Bus Signal Pre-emption System,” TransNow (University of Washington), \$149,270, September 1, 1994-August 31, 1995.
- “Third Conference on Mobility Aids and Public Transportation,” May 1-3, 1994, TransNow, \$10,000.

- “Audio-Visual Communication Systems to Improve Transit Accessibility,” Federal Transit Administration, \$84,930, September 1, 1993-March 31, 1995
- “A Feasibility Study for the Application of Advanced Public Transport Systems Technology,” TransNow (University of Washington), \$80,000, September 1, 1993-August 31, 1994.
- “An Incremental Approach to Advanced Public Transportation Systems Technology,” Phase 2, TransNow (University of Washington), \$140,675, September 1, 1993-August 31, 1994.
- “An Incremental Approach to Advanced Public Transportation Systems: A Bus Pre-Emption System for Signalized Intersections,” USDOT through TransNow (University of Washington), \$102,067, September 1, 1992-August 31, 1993.
- “Finalization of the Oregon State University Securement System for a Demonstration Project,” USDOT, Federal Transit Administration, \$85,000, July 1, 1992-February 1996.
- “Design of a Universal Securement System for Public Transit,” USDOT Federal Transit Administration, \$84,494, September 30, 1990-January 1993.
- “Bus Accessibility Systems,” USDOT Federal Transit Administration, \$84,390, September 30, 1991-January 1993.
- “Universal Securement/Restraint System for Public Transportation,” Easter Seal's Project ACTION, \$244,028, March 1991-December 1992.
- “Mobility Devices and Public Transportation,” USDOT through TransNow (University of Washington), \$51,549, September 1, 1991-July 30, 1992.
- “Securement of Non-Traditional Style Wheelchairs on Fixed Route Transit Vehicles,” USDOT through TransNow (University of Washington), \$25,941, September 1, 1989-August 30, 1990.
- “Human Factors in Public Transportation Safety,” USDOT Federal Transit Administration, \$85,000, September 1987-March 1989.

**Current Research**

- “Researching Accessibility Gaps in Transit Hub Communication Systems and Standards”, U.S., Department of Education National Institute for Disability and Rehabilitation Research, \$598,735, October 1, 2009-September 30, 2012.
- “Evaluation of Alternative Pedestrian Traffic Control Devices”, Oregon Department of Transportation, Research Section, \$110,000, October 1, 2009-December 31, 2011
- “Inclusive and Universal Design Specifications for HSR Passenger Rail Cars: Beyond ADA,” U.S. Department of Transportation, Federal Railroad Administration. \$250,000, April 5, 2011-April 6, 2012.
- “Use of Mobility Devices on Paratransit Vehicles and Buses” the National Academies of Sciences, Transit Cooperative Research Program, Project Number TCRP C-20, \$398,510, November 1, 2011-April 30, 2013

**GRADUATE STUDENTS SUPERVISED:**

Graduate Students (Civil Engineering)

Major Professor

Student	Degree	Thesis	Graduated
Mafruhatul Jannat	M.S.	<i>Development of LSV Planning Methodology</i>	2011
Kyler Kokenge, (CE/FE Major Professor for CE)	M.S.	<i>Opportunities and Challenges for Decision Support Systems in Timber Transportation</i>	2011
Andrew Bernath	M.S.	<i>Evaluation of Small Bus Dynamics</i>	2009

Wei Xu	M.S.	<i>The review of PPP toll roads in the US and the simulation of the Chicago Skyway</i>	2008
Divya Valluri	M.S.	<i>Estimating the Impacts of a Vehicle Mileage Fee using Discrete Continuous Choice Modeling</i>	2008
Elizabeth Toman CE/FE Major Professor for CE	Ph.D.	<i>Reducing Sediment from Forest Roads During wet weather use</i>	2007
Randall Johnson	M.S.	<i>Pedestrian Safety Evaluation of Curb Extensions: Albany Case Study</i>	2005
Melissa Lincoln	M.S.	<i>Pedestrian and Bicycle Conflict Studies</i>	2005
Matthew Little	M.S.	<i>Creation fo CRF Matrix foe use in updating ODOT's CRF list</i>	2004
Ron Blacketer	M.S.	<i>Intrusion Detection at Railroad Grade Crossings</i>	2004
Erik Preston	M.S.	<i>Two State Gap Acceptance at Two -way Stop Controlled Intersections with two way left turn lane</i>	2004
Cameron Grile	M.S.	<i>Programming safety Improvements on Pavement</i>	2004
Hongmei Gao	M.S.	<i>Evaluation of ODOT WIM Data</i>	2004
Matthew Baldwin	M.S.	<i>Evaluation of Bus Dynamics</i>	2004
Kathleen Williams	M.S.		2001
Michelle M. Alexander	M.S.	<i>Effects of Transit Signal Priority at a Congested Intersection.</i>	2002
Glen Hodgson	M.S.	<i>A Preliminary Assessment of the Effects of Access Management on Pedestrians, Bicycles and Transit</i>	1999
Inga Note	M.S.	<i>Microscopic Simulation Analysis of a BRT Guideway</i>	1998
Caroline Bricheux	M.S.	<i>Development of Ergonomic Guidelines for Passenger Information Systems,"</i>	1998
Nathanial Price	M.S.	<i>Driver Behavior</i>	1996
Dana Beckwith	M.S.	<i>Passive Pedestrian Detection at Unsignalized Crossings</i>	1996
Kerry Ayres-Palanuk	M.S.	<i>BRT: A Smart Alternative for Medium Sized Cities</i>	1996
John Deskins	M.S.	<i>Bus Signal Preemption System: Opticom Study</i>	1995
Stuart Mathews	M.S.	<i>Corvallis-Philomath Transportation Model</i>	1995
Julie Sutherland	M.S.	<i>Bus Signal Priority: A Pilot Project in Portland</i>	1995
Marti Hron	M.S.	<i>Improving Bus Accessibility Systems for Persons with Sensory and Cognitive Impairments</i>	1993

Thomas Bauer	M.S.	<i>Cost Benefit Analysis for Bus Preemption Systems</i>	1992
Amy Edwards	M.S.	<i>Handicapped Accessible Public Transportation</i>	1991

Current Students	Degree	Expected Graduation
Jonathan Mueller	Ph.D.	2013
Mafruhatul Jannat	Ph.D.	2014
Floraliza Bornasal	M.S.	2012

**M.Eng Advisor:**

*Graduated*

1. Brett Cowgill, M.ENG, 2011
2. America Levenworth, M.ENG, 2009
3. Lloyd Fobi, MENG, 2009

**Graduate Thesis or Project Committees**

**Minor Professor or Committee Member:**

*Graduated-Civil Engineering*

1. Sahar Nabae, M.S., 2011
2. Raul Avelar, M.S., 2010
3. Hong Zhou, Ph.D, 2009
4. Tegan Houghton, M.S., 2008
5. Michael Liebler, M.S., 2008
6. Joshen Rohani, M.S., 2007
7. Matthew Hewitt (CEM), M.S., 2001-2002
8. Thaweesak Taekratok, Ph.D, 2004
9. Ahmet Askan, M.S., 1998
10. Mehmet Sacmaci, M.S., 1997
11. David Zaworski, M.S., 1996
12. Paul Ryus, M.S., 1994
13. Robert Fynn, M.S., 1993
14. Mike Mohrman, M.S., 1993
15. Naveen Chandra, M.S. 1993

*Current*

1. Raul Avelar M.S./Ph.D (Civil Engineering)

**Minor Professor or Committee Member:**

*Graduated-Other Engineering*

1. Sherry Tucker, M.S, Mechanical Engineering, 2008

2. John Mast, M.S, Mechanical Engineering, 2007
3. Sushim Koshti, M.S, Mechanical Engineering, 2007
4. Dean Watts, M.S, Mechanical Engineering, 1995
5. Derald Herling, M.S, Mechanical Engineering, 1993
6. Garrett Clark, M.S, Mechanical Engineering, 1993
7. Wahib Thabet, M.S, Industrial Engineering, 1993

*Graduated-Health and Human Performanace*

1. Kristof Kipp Ph.D., 2009
2. Kenneth Philbrick, M.S. 2008
3. Brian Higginson, Ph.D., 2007
4. Lisa Welch, M.S., 2006
5. Jane LaRiviere, Ph.D., 2002
6. Karen Bowen, M.S. 1997
7. Jason Wallis, M.S. 1993

**Graduate Council Representative:**

***Graduated***

Cindy Perry, Ph.D. 2002, (Industrial Engineering)  
Ki Kwang Lee, Ph.D. 1998 (Health and Human Performance)  
Terry Smith, M.S. 1996, (Industrial Engineering)  
Jan Buffa, Ph.D., 2005 (Public Health),  
Chris Eisenbarth, Ph.D, 2004 (Public Health),  
Julie Downing, Ph.D, 2003 (Health and Human Performance)  
Tim Bowman, M.A.I.S., 1995 (Health and Human Performance)  
Michael O'Leary, M.S. 1995 (Health and Human Performance)  
Stuart Trost, M.S. 1994 (Health and Human Performance)

***Current***

Hannah Thackery, M.S. (Health and Human Performance), 2010-present  
Ruben Gutzman, M.S. (Health and Human Performance), 2009-present

University Honors College (Honors Thesis Advisor)

Kate Bradbury, Hon. B.S. 2010 (Civil Engineering)  
Alison Tanaka, Hon. B.S. 2009, (Civil Engineering)  
Jill Bartholomew, Hon. B.S. 2008 (Mechanical Engineering)  
James Kirby, Hon. B.S. 2001 (Civil Engineering)

External Committee

Matthew Manley (Utah State U. ACRP Advisor. Ph.D. 2010)  
Roger Lindgren, Ph.D., PSU Civil Engineering, 2005

**UNIVERSITY SERVICE:**

**University**

Faculty Senate Committees

2011	President Elect OSU Faculty Senate
2011	Liaison, Graduate Council
2011	Liaison, P&T Committee
2008-2011	Administrative Appointments Committee
2008-09	Transportation and Parking Committee 2008-2009
2008-09	BACC Committee
2008	Academic Regulations Committee
2008	Faculty Senate Executive Committee, IIFS Senior Senator
2008-2009	NCAA Re-Certification: Compliance Sub-committee
2006-2009	OSU Senator to Inter-Institutional Faculty Senate
2006-2009	Honors College Council
2005-2010	College of Engineering Senator, Faculty Senate
2005	Chair of Undergraduate Program Review Bio-chemistry/Bio-Physics
2005	Member, Undergraduate Program Review Foreign Languages and Literature
2005	Co-Chair, Curriculum Council
2002-05	Member, Curriculum Council
2004-10	College of Engineering Senator
2001-04	Faculty Status Committee
1999-2001	Bylaws and Nominations Committee
1994-97,	Honors College Council

Other University Committees

2011-present	University Planning Committee
2010-present	University Space Committee
2008-present	Member Commission on the Status of Individuals with Disabilities
2007-2010	TRIAD Treasurer
2006-2007	TRIAD Vice Chair President's
2004-2007	Faculty Women's Network Executive
1999-2004	Committee on the Status of Women
1992-1998	Chair, University Advisory Committee on Persons with Disabilities
1990-2007	Member, University Advisory Committee on Persons with Disabilities
1996-1999	Co-Head Usher, Commencement Committee
1993-1999	Commencement Committee

**College**

2004-2008	College of Engineering Curriculum Committee member (2004, 2008-2009),ex-officio (2005)
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**Department**

2008-09	Chair CCE Curriculum Committee
2008-09	Member Faculty Status Committee
2008	A2K Interiors Committee
2006-08	Chair Awards Committee



2005 Search Committee Transportation Engineering  
2004 Search Committee Transportation Engineering  
Search Committee Construction Engineering  
Search Committee Infrastructure  
2003 Search Committee Construction Engineering  
Search Committee Transportation Engineering  
2002 Search Committee Construction Engineering  
2002-04 Civil Engineering Curriculum Committee Chair  
1993-1999, 2001-2005 ITE Student Chapter Advisor

**Search Committees (outside of Civil Engineering)**

2011 AASA Movement and Disability Studies 1 position  
2010-2011 Affirmative Action Search Advocate (AASA) Environmental Safety and  
Occupational Health( HHS) -3 positions  
2010-2011 AASA Mechanical Engineering-3 positions  
2009 Search Committee Vice President for Research  
Search Committee for Faculty Position in Forest Engineering  
2005 Search Committee LeMatta Professorship Forest Engineering  
Search Committee Wood Science and Engineering  
2001 Search Committee for Assistant in Technology Transfer Office  
1996 Search Committee for Assistant in Technology Transfer Office  
Chair of two Search Committees for Sign Language Interpreter