

ANNE GOODCHILD

Curriculum Vitae

Civil and Environmental Engineering
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EDUCATIONAL HISTORY

University of California at Berkeley, Berkeley, CA
PhD, Civil and Environmental Engineering
December 2005

“Crane Double Cycling in Container Ports: Algorithms, Evaluation, and Planning”

University of California at Berkeley, Berkeley, CA
MS, Civil and Environmental Engineering
December 2003

University of California at Davis, Davis, CA
BS High Honors, Mathematics, Minor Geology
September 1995

EMPLOYMENT HISTORY

University of Washington Department of Civil and Environmental Engineering
Seattle, WA, USA
Assistant Professor, December 2005 to present

PricewaterhouseCoopers, LLP
London, UK
Manager, August 1998 to May 2001

Applied Decision Analysis
Menlo Park, CA, USA
Analyst, June 1996 to August 1998

AWARDS AND HONORS

2nd Prize, 2008, College-Industry Council on MH Education Outstanding Material Handling and Logistics paper
Dissertation Prize Honorable Mention, 2006, INFORMS Transportation Science and Logistics, Selected Professions Dissertation Fellowship, 2005, American Association of University Women Dissertation Fellowship, 2005, University of California Transportation Center Dwight David Eisenhower Transportation Fellowship, 2003, United States Department of Transportation
Eno Transportation Foundation Fellow, 2003, Eno Transportation Foundation

PRISMS Presentation Competition Finalist, 2003, Institute for Operations Research and Management Science
Graduate Opportunities Fellowship, 2001, University of California Transportation Center

AFFILIATIONS AND OTHER APPOINTMENTS

Associate Director Freight Operations Research Program, Transportation Northwest, March 2006
– present

PUBLICATIONS

Refereed archival journal publications

Goodchild, A., Albrecht, S., and L. Leung (in press). A Description of Commercial Cross Border Trips in the Cascade Gateway and Trade Corridor. *Transportation Letters*

O'Donnell, B., Goodchild, A., Cooper, J., and H. Ozawa (in press). Life Cycle Assessment of American Wheat: Regional Variation in Supply Chain Greenhouse Gas Emissions and Relative Transportation Contribution. *Transportation Research Part D*

Goodchild, A., Albrecht, S., Faust, K., and L. Leung (2009). A Container Terminal at the Port of Prince Rupert: considerations from a transportation perspective. *Canadian Political Science Review*

Ta, C., Goodchild, A., and K. Pitera (2009). Structuring a Definition of Resilience for the Freight Transportation System, *Transportation Research Record: Journal of the Transportation Research Board*

Goodchild, A. and K. Mohan (2008). The Clean Trucks Program: Evaluation of a Policy to Influence Marine Terminal Operations *Journal of Maritime Economics and Logistics*, (10), pp. 393-408.

Goodchild, A., Globerman, S., and S. Albrecht (2008). Service Time Variability at the Blaine, Washington International Border Crossing and the Impact on Regional Supply Chains. *Transportation Research Record: Journal of the Transportation Research Board*, No. 2066, pp. 71-78.

Goodchild, A., and C. Daganzo (2007). Crane Double-Cycling in Container Ports: Planning Methods and Evaluation. *Transportation Research Part B*, (41) p. 875-891

Goodchild, A., and C. Daganzo (2006). Double-Cycling Strategies for Container Ships and Their Effect on Ship Loading and Unloading Operations. *Transportation Science*, 40(4)

Andreoli, D., Goodchild, A., and K. Vitasek (submitted). The Rise of Mega DCs: A permanent or ephemeral feature on the logistics landscape?

Pitera, K., and A. Goodchild (submitted). Interpreting Resiliency: An Examination of Enterprise Use of Transportation Resiliency Strategies within the Supply Chain

Fujisawa, K., Goodchild, A., and E. Jessup (submitted). Improved Freight Modeling of Containerized Cargo Shipments between Ocean Port, Handling Facility, and Final Market for Regional Policy and Planning

Goodchild, A., Albrecht, S., and L. Leung (submitted). An investigation of Commercial Vehicle Crossing Times at the Pacific Highway Port-of-Entry

Gupta, G., Goodchild, A. and M. Hansen (submitted). A Charter Air Service to Minimize the Total Cost of Travel

Zhao, W., and Goodchild, A. (submitted) Truck Arrival Sequencing and the Impact on Re-handling work at Marine Terminals

Goodchild, A., Rose, S., Andreoli, D., and E. Jessup (submitted) A Comparison of Infrastructure Utilization by Freight Industries: Case Studies of Potatoes and Diesel in Washington State

Ta, C., Goodchild, A., and B. Ivanov (submitted) Building Freight Transportation System Resilience: Actions for State DOTs

Kristjansson, K., Bomba, M., and A. Goodchild (submitted) Intra-Industry Trade Analysis of US State – Canadian Province Pairs: Implications for the Cost of Border Delay

Wygonik, E., A. Goodchild, and J. Villa (submitted) An Evaluation of and Proposed Solution to the Need for Shared Transportation Data at the US-Canadian Border

Albrecht, S., Pitera, K., and A. Goodchild (submitted) The Port of Prince Rupert as a Successful National Gateway Strategy

Zhao, W., and A. Goodchild (submitted) The Impact of Truck Arrival Information on System Efficiency at Container Terminals

Chapters in edited books

Goodchild, A.V. (2008). Crane Double Cycling in Container Ports. In P. Iannou (Ed.) Intelligent Freight Transportation. Taylor and Francis

Chatwin, R., Bonduelle, Y., Goodchild, A., Harmon, F., & J. Mazzuco (1999). Real Options Valuation for E-Business: A Case Study. In L. Trigeorgis (Ed.) Real options and business strategy: Applications to decision making. Risk Books.

OTHER SCHOLARLY ACTIVITY

Invited lectures and seminars.

1. UC Berkeley Institute for Transportation Studies Seminar, *Truck Arrival Sequencing and the Impact on Re-handling work at Marine Terminals*, (2008, November)
2. North American Agrifood Market Integration Conference in Austin Texas, *Cascadia Border Operations, Issues, and Consequences for the Agrifood Market* (May, 2008)

3. Canada America Society of Seattle, *The New Model for Port Development and Consequences for Regional Trade*, (2008, April)
4. Trans Border Working Group Meeting in Coeur D'Alene Idaho, *Northwest border operations: delay and the impact on supply chains*, (2008, April) “
5. Pacific Northwest Canadian Studies Consortium Annual Meeting in Vancouver BC, *Rainstorm and Flood Damage in Northwest British Columbia and the Port of Prince Rupert*, (2008, February)
6. University of Washington Urban Design and Planning Seminar, *Managing the Transportation System: the Clean Trucks Program as an Example of Complexity*, (2007, November)
7. University of Washington Industrial Engineering Seminar, *Marine Terminal Operations and the Clean Trucks Program*, (2007, October)
8. Steelhead Symposium, Prince Rupert, British Columbia, *A Container Terminal at the Port of Prince Rupert: considerations from a transportation perspective*, (2007, September)
9. Canadian/American Border Trade Alliance meeting in Bellingham, WA, *Understanding the Impact of Variability in Border Crossing Times on Regional Supply Chains*, (2006, November)
10. Center for Transportation Studies at Portland State University, *Developing US Port Productivity*, (2006, November)
11. BERGER/ABAM Construction Waterfront Meeting, *Port Productivity*, (2006, October)
12. METRANS Seminar Series at the University of Southern California, *Operations Improvements to Port Productivity: The Challenge of Many Players*, (2005, November)
13. Institute of Transportation Studies, University of California at Davis, *An Operating Strategy to Improve Port Efficiency*, (2005, April)
14. Engineering Systems Division, the Massachusetts Institute of Technology, *An Operating Strategy to Improve Port Efficiency*, (2005, March)
15. Department of Civil and Environmental Engineering at the University of Washington, *An Operating Strategy to Improve Port Efficiency*, (2005, March)
16. University of California at Berkeley Transportation Seminar Series, *Crane Double Cycling in Container Ports: Algorithms, Evaluation, and Planning* (2005, December)

Presentations given at conferences.

1. **Goodchild**, Andreoli, Jessup, McCormack “Supply-Chain Mapping to Understand Washington State Freight System Resilience”, *Data and Tools for Linking Goods Movement, Air Quality, and Transportation Infrastructure Decisions*, Irvine, CA (2009, June)

2. **Sandoval** and Goodchild “Emissions in Urban Pick-up and Delivery Systems” Odysseus Conference, Cesme, Turkey (2009, May)
3. **Goodchild**, “Freight Transportation Resilience”, Maritime and Port Security Summit: Resilience Planning in a Difficult Economy, Seattle, WA (2009, May)
4. **Ta**, Goodchild, and Pitera, “Defining Resilience in Freight Transportation”, *101st American Planning Association National Planning Conference*, Minneapolis, Minnesota. (2009, April) P
5. **Wygonik**, Goodchild, and Villa, “U.S-Canada Land Border Crossings: A Review of Data and Framework for Collaboration”, *50th Annual Transportation Research Forum*, Portland, Oregon, (2009, March) P
6. **Pitera**, Goodchild “Interpreting Resilience: An Examination of the Use of Resiliency Strategies Within Supply Chains” *50th Annual Transportation Research Forum*, Portland, Oregon (2009, March)
7. **Sandoval**, Goodchild “Emissions Reductions and the Trade-offs in Urban Pickup and Delivery Systems” *50th Annual Transportation Research Forum*, Portland, Oregon (2009, March)
8. **Goodchild**, Albrecht, Leung “A Description of Cross Border Trips and Crossing Times at the Cascade Gateway and Trade Corridor”, *50th Annual Transportation Research Forum*, Portland, Oregon (2009, March)
9. **Goodchild** “Northwest Ports and the Gateway Initiatives” *50th Annual Transportation Research Forum*, Portland, Oregon (2009, March)
10. **Albrecht**, Goodchild “An Examination of the FAST Commercial Clearance Border Crossing Program: A Policy for All Commodities and Shippers?” *50th Annual Transportation Research Forum*, Portland, Oregon (2009, March)
11. Goodchild, Albrecht, , **Leung**, “Cross-Border Delay and Transportation Patterns and Freight Commodity Profile at Western Cascade Gateway and Trade Corridor”, *88th Annual Meeting of the Transportation Research Board*, Washington DC, (2009, January) P
12. Goodchild, **Leung**, Albrecht, “Investigation of Commercial Vehicle Crossing Times at Pacific Highway Port of Entry” *88th Annual Meeting of the Transportation Research Board*, Washington DC, (2009, January) P
13. **Ta**, Goodchild, and Pitera, “Structuring a Definition of Resilience for the Freight Transportation System”, *88th Annual Meeting of the Transportation Research Board*, Washington DC, (2009, January) P
14. **Goodchild** “Looking Forward: Next Steps for Improving Goods Movement Data” *88th Annual Meeting of the Transportation Research Board*, Washington DC (2009, January)
15. Goodchild and Albrecht (given by **McCormack**) “FAST Program and Its Impact on Cross-Border Trade in Cascade Gateway Trade Corridor” *88th Annual Meeting of the Transportation Research Board*, Washington DC (2009, January)

16. **Gupta**, Goodchild, and Hansen “Charter Air Service for Conference Travel” *INFORMS Annual Meeting*, Washington DC. (2008, October)
17. **Zhao** and Goodchild “Container pickup sequence and the impact on re-handles at marine terminals” *INFORMS Annual Meeting*, Washington DC. (2008, October)
18. **Andreoli**, Goodchild, and Vitasek “On the Rise of Mega DCs: Recent Trends and Implications for the Future” *INFORMS Annual Meeting*, Washington DC., (2008, October)
19. **Ta**, Goodchild, and Pitera, “Structuring a Definition of Resilience for Freight Transportation Systems”, *Plan It for the Planet, Stewardship for the 21st Century, hosted by the American Planning Association Washington Chapter and Idaho Chapter*, (2008, October) P
20. Goodchild, **Li**, and Albrecht, “An Investigation of Commercial Vehicle Crossing Times at the Pacific Highway Port-of-Entry”, *North American Freight Flows Conference hosted by the Transportation Research Board*, Irvine, CA, (2008, September) P
21. **Goodchild**, Albrecht, Leung “Freight Commodity Profile and Transportation Patterns in the Cascade Gateway and Trade Corridor”, *North American Freight Flows Conference*, Irvine, CA (2008, September)
22. **Pitera** and Goodchild “Use of resiliency strategies within the supply chain and consequences for the freight transportation system” *International Trade and Freight Transportation Conference*, Ayia Napa, Cyprus, (2008, September)
23. Goodchild and **Albrecht** "Service Times at Vehicle Processing Facilities" *2008 Pacific Northwest Regional Economic Conference*, Tacoma WA (2008, May)
24. **Andreoli** and Goodchild “Structural and Geographic Shifts in the U.S. Warehousing Industry: Natura non facit saltum” *2008 Annual Meeting of the Association of American Geographers*, Boston MA(2008, April)
25. **O'Donnell**, Goodchild, Cooper and Ozawa “Life Cycle Assessment of American Wheat Considering Mode Choice and Backhaul”, *49th Annual Transportation Research Forum*, Forth Worth, TX (2008, March)
26. **Gould**, Neimeier, and Goodchild, “A Cart Before the Horse: Disaggregate Locomotive Emissions Models and Data Constraints”. *Transportation Research Board Conference on Data for Goods Movement Impacts on Air Quality*, Irvine, CA, (2008, March) P
27. **Noronha**, Goodchild, “Tracking Drayage Trucks and Modeling Freight Trips in the Los Angeles Basin”. *Transportation Research Board Conference on Data for Goods Movement Impacts on Air Quality*, Irvine CA(2008, March) P
28. **Goodchild**, Globerman and Albrecht “Service Time Variability at the Blaine, Washington International Border Crossing and the Impact on Regional Supply Chains”, *Transportation Research Board Annual Meeting*, Washington DC (2008, January)

29. Goodchild, Globerman and **Albrecht** “Service Time Variability at the Blaine, Washington International Border Crossing and the Impact on Regional Supply Chains”, *Border Regions in Transition Conference*, Bellingham, WA and Victoria, BC (2008, January)
30. **Goodchild** and Mohan, “Estimating the Impact of the Clean Trucks Program on Terminal Operations”, *National Urban Freight Conference*, Long Beach, CA (2007, December)
31. Goodchild, **Fujisawa**, and Jessup “Modeling Containerized Cargo Shipments Between Ocean Port and Handling Facilities” *INFORMS Annual Meeting*, Seattle, WA (2007, November)
32. Goodchild and **Mohan** “Trolley Assignment Model for a Container Terminal with a Low Viaduct Rail System” *INFORMS Annual Meeting*, Seattle, WA (2007, November)
33. Goodchild, A., **Fujisawa**, K., and Jessup, E., “Improved Freight Modeling of Containerized Cargo Shipments between Ocean Port, Handling Facility, and Final Market for Regional Policy and Planning”. *Transportation Research Board Conference on Research Issues in Freight*, Washington D.C., (2007, October) P
34. **Goodchild**, A.V., S. Albrecht “Service time variability at vehicle authentication/authorization facilities and the impact on supply chains” *World Conference on Transportation Research*, Berkeley CA (2007, June)
35. L. Dong, **A.V. Goodchild**, and H. Ding, “Trolley Routing and Scheduling Strategy for a Low-Viaduct Rail Transportation System with Double-Wide Yard Crane” *Transportation Research Board Annual Conference*, Washington D.C., (2007, January) P
36. **Goodchild** and Mohan, “Developing US Port Productivity”, *INFORMS Annual Meeting*, Pittsburgh, PA (2006, November)
37. **Goodchild**, **A.V.** “Crane Double Cycling in Container Ports: Planning Methods and Evaluation”, *National Urban Freight Conference*, Long Beach, CA (2006, February),
38. **Goodchild**, **A.V.** and C.F. Daganzo “Port Planning for Double Cycling Crane Operations”, *Transportation Research Board Annual Meeting*, Washington D.C. (2006, January)
39. Gupta, **Goodchild**, and Hansen “The Feasibility of a Private Airline for a College Sports League”, *INFORMS Annual Meeting*, San Francisco, CA (2005, November)
40. **Goodchild**, **A.V.** and C.F. Daganzo “An Operating Strategy to Improve Port Efficiency”, *INFORMS Annual Meeting*, San Francisco, CA (2005, November)
41. **Goodchild**, **A.V.** and C.F. Daganzo “Improving Port Efficiency Using Double Cycling”. *CORS/INFORMS Joint International Meeting*, Banff, AB (2004, May)
42. **Goodchild**, **A.V.** and C.F. Daganzo, “Reducing Ship Turn-Around Time Using Double Cycling” *Transportation Research Board Annual Conference*, Washington D.C., (2004, January) P
43. **Goodchild**, **A.V.** and C.F. Daganzo, “Reducing Ship Turn-Around Time Using Double Cycling” *Pacific Regional Intercollegiate Symposium for the Management Sciences*, Berkeley, CA (2003, March)

44. **Goodchild, A.V.** and C.F. Daganzo, “Reducing Ship Turn-Around Time Using Double Cycling”. University of California Transportation Center Student Conference, Los Angeles, CA (2003, February)
45. **Goodchild, A.V.** and C.F. Daganzo, “Reducing Ship Turn-Around Time Using Double Cycling”. INFORMS Annual Meeting, San Jose, CA (2002, November)

P indicates the presentation was given in poster format

Professional society memberships.

- INFORMS, (2003 to present)
- Transportation Research Forum, (2009 to present)
- Women’s Transportation Seminar (2003 to present)
- American Society of Civil Engineers (2008 to present)

Other

Journal	Approximate reviews per year
Transportation Research Part A	1
Transportation Research Part C	2
Transportation Research Board	10
METRANS	3
Operations Research	1
Transportation Northwest	2
Journal of Waterway, Port, Coastal, and Ocean Engineering	0.3
NYUTC	0.3
Open Transportation Journal	0.3
Computers and Operations Research	2
Transportation Research Part B	3
Transportation Science	1
World Conference on Transportation Research	0.3
UW Milwaukee Research Growth Initiative	0.3
International Journal of Production Economics	1.5
Oregon Transportation Research and Education Consortium	0.5
Royalty Research Fund	0.3
European Journal of Operations Research	1.5
OR Spectrum	0.3
Naval Research Logistics	0.3

GRADUATE STUDENTS

Chaired Doctoral Degrees.

Student Name	Dissertation Title	Completed (Year)
Kelly Pitera	Dissertation	Expected 2011
Kaori Fujisawa (co-chair)	Dissertation	
Wenjuan Zhao	Dissertation	Expected 2011

Chaired Masters Degrees.

Student Name	Level of Supervision	Completed (Year)
Matthew Beaulieu	Project	2007
Katherine Davis	Thesis	2008
Barbara De St. Croix	Project	
Adam Dreibelbis	Project	2009
Danielle Dunjic	Project	2006
Tsit Lam	Project	2008
Anna Lee	Project	
David Kieninger	Project	2007
Kristjan Kristjansson	Thesis	
Carl Langford	Thesis	
Li Leung	Thesis	
Brendan O'Donnell	Thesis	2009
Chilan TA	Thesis	
Sunny Rose	Project	
Charles Smith	Project	2007
Erica Wygonik	Thesis	
Hanzhi Ding	Thesis	2006

Other significant student supervision

Student Name	Level of Supervision	Completed (Year)
Derik Andreoli	Committee member, Dissertation	
Burcu Balcik	GSR, Dissertation	2008
Michael Lowry	Committee member, Dissertation	2009
Kenneth Perrine	Committee member, Dissertation	2008
Naama Sheffer	Under-graduate research supervision	2009

RESEARCH ACTIVITIES

Funded Research

Funding Agency	Title	Total Amount (Subcontracts)	Your Amount	Role	Dates (start-finish)
WSDOT	Improving Statewide Freight Routing Capabilities for Sub-National Commodity Flows	\$185,000		Co-PI	07/07-07/11
TransNow	Understanding Pacific Highway Commercial Vehicle Operations	\$37,882	\$37,882	PI	07/09-07/10
TransNow	Reducing Emissions from Urban Pick-up and Delivery	\$36,831	\$36,831	PI	07/09-07/10

	Systems				
FHWA	Developing a Framework for Collecting and Sharing Data and Information	\$79,554	\$16,062	Investigator, PI Juan Villa, TTI	11/08-02/09
ODOT	Evaluating Emissions Reductions and Trade-offs in Urban Pickup and Delivery Systems	\$60,110	\$60,110	PI	07/09-07/10
FHWA SHRP	Evaluating Alternative Operation Strategies for Mitigating the Impact of Travel Time Variability	\$200,000	\$20,000	Investigator	09/08-02/10
TransNow	Changing Logistics Practices in the Pacific Northwest	\$25,081	\$25,081	PI	07/08-07/09
Canadian Studies	Travel Grant	\$1,000	\$1,000	PI	07/08-07/09
TransNow	Transportation Impacts of Structural and Geographic Shifts in the Pacific Northwest Warehousing Industry	\$6,000	\$6,000	PI	07/08-07/09
TransNow	Requirements for a Washington Statewide Freight Simulation Model	\$29,448	\$29,448	PI	07/08-07/09
UW COE	Course Development Grant	\$25,000	\$25,000	PI	09/07-06/08
WSDOT	Building a Resilient Freight System	\$155,000	\$155,000	PI	07/07-07/09
TransNow	Washington State Freight System Resiliency	\$72,000	\$72,000	PI	07/07-07/08
Harry Bridges Center for Labor Studies	Puget Sound Warehousing and Distribution Research Project	\$10,000	\$10,000	PI	07/07-07/08
USDOT	Commercial Remote Sensing and Spatial Information	\$2,000,000	\$115,861	Investigator	07/07-07/09

	Technologies Applied to Freight Congestion Mitigation				
Border Policy Research Institute (BPRI)	Understanding Very Long Wait Times at the Border: Analysis and Solutions	\$56,539	\$56,539	PI	07/07-07/08
Los Angeles Alliance for a New Economy	Evaluation of Port Trucking Policy	\$39,417	\$39,417	PI	04/07-12/07
BPRI	Variability in Border Crossing Times and the Impact on Regional Supply Chains	\$78,951	\$78,951	PI	06/06-06/07
TransNow	Improved Freight Modeling of Containerized Cargo Shipments between Ocean Port, Handling Facility, and Final Market for Regional Policy and Planning	\$60,523	\$60,523	PI	06/06-06/07
WSDOT	Student Research Funds	\$13,931	\$13,931	PI	06/06-12/06
GTTL Program	Planning Grant	\$5,000	\$5,000	PI	06/07
Advance	Transitional Grant	\$10,867	\$10,867	PI	06/06

DOCUMENTATION OF TEACHING EFFECTIVENESS

Courses Taught & Student Evaluations

Course	Title	Quarter	Credit Hrs	Enrollment	Evaluations? Response	Item 1	Item 3	Item 4	Average, Items 1-4
ENVIR 512	Keystone Project II	Spring 2009	4	4	No				
ENVIR 511	Keystone Project I	Winter 2009	4	4	No				
CEE 587	Transportation Logistics	Spring, 2009	4	18	Yes	4.0	4.4	4.0	4.1
CEE 599	Transportation Policy	Winter, 2009	3	13	No				
CEE 320	Transportation Engineering	Fall, 2008	3	40	Yes	3.4	3.6	3.3	3.4

CEE 320	Transportation Engineering	Spring 2008	3	68	Yes	3.7	3.8	3.5	3.7
CEE 599/498	Transportation Logistics	Spring 2008	3	25	Yes	3.5	3.8	3.8	3.6
CEE 100	Introduction to Civil Engineering	Winter 2008	1	75	Yes	4.2	4.0	4.1	4.1
CEE 599	Transportation Logistics	Spring 2007	3	15	Yes	3.7	3.9	3.7	3.7
CEE 498	Transportation Logistics	Spring 2007	3	5	Yes	3.3	3.8	3.5	3.4
CEE 599	Transportation Logistics	Spring 2006	3	15	Yes	3.9	3.4	3.9	3.8
CEE 498	Transportation Logistics	Spring 2006	3	5	Yes	3.3	3.5	3.5	3.4

List of other teaching

Developed Transportation Policy course first taught Winter 2009
 Co-Developed Introduction to Civil Engineering course first taught Winter 2007
 Developed Transportation Logistics course first taught Spring 2006
 Faculty Advisor, Environmental Management Certificate Keystone Project on Drayage Trucking
 Sponsored by the Port of Tacoma, Port of Seattle and Washington State Department of
 Transportation

SERVICE

Departmental service

Member of the Department of Civil and Environmental Engineering Search Committee,
 Professor in Transportation, Winter 2009

Member, Department of Civil and Environmental Engineering Emeritus Space
 Committee, 2008 – 2009

Member, Department of Civil and Environmental Engineering Mentoring Committee,
 2009

Member, Department of Civil and Environmental Engineering College of Environment
 Committee, 2008

Member of the Search Committee, Assistant Research Professor in Transportation,
 Spring 2007

University service

Chair, Interdisciplinary Committee for the Global Trade, Transportation and Logistics
 Certificate Program (2007 to present)

Professional society and other service

Member, Secretary, and Paper Review Chair, Transportation Research Board Committee
 on Activities Freight Transportation Planning and Logistics (AT015), 2006 to present

Member, Paper Review Chair, Committee on Intermodal Freight (AT045),
Transportation Research Board (2008 - present)

University of Washington Representative, Transportation Research Board (2008 –
present)

Chair, Organizing Committee for Workshop on Data and Tools for Linking Goods
Movement, Air Quality, and Transportation Infrastructure Decisions, June 2009

Member, Committee on Intermodal Freight Terminal Design and Operations (AT050),
Transportation Research Board (2007-2008)

Editorial Board, Transportation Research Part A (2008 – present)

Editorial Board, Transportation Letters (2008 – present)

Member, Organizing Committee, Transportation Research Board Conference on Freight
Data and Air Quality (March, 2008)

Community service

Expert reviewer, Port of Seattle Emissions Inventory, Asia to North American Supply
Chain, April 2009

Facilitator, Port of Seattle Clean Air Strategy Stakeholder meetings, 2008

Member of the Washington State Transportation Commission Washington State Rail
Capacity and System Needs Study, 2008

Member of the Puget Sound Regional Council Freight Advisory Panel

Moderator, Seattle Cleaner Air Faster Freight Conference, September 17-18, 2008

Locomotive Inventory for the California Air Resources Board, Contribute technical
expertise on locomotive operations to improve the methodology for emissions inventories
in California. (6/06-6/08)

Technical Assistance to the South Coast Air Quality Management District. Provide
Technical Expertise on Operational Activities Associated with Regional Goods
Movement, Potential Mitigation Measures for Regional Goods Movement, and Policy
Analyses (1/07-1/08)

Southern California Association of Governments, Phase II, Port and Modal Elasticity
Study. Contribute technical expertise on port operations in the Pacific Northwest.
Assess the impact of container fees at West Coast Ports on the flow of containerized
cargo nationwide (6/06-6/08)

International, national or governmental service

NSF Review Panelist, February 2006, December 2006 Civil and Mechanical Systems

Member, National Cooperative Freight Research Program oversight panel, Project 23,
Economic and Transportation Drivers for Siting Freight Intermodal and Warehouse
Distribution Facilities, April 2009 –

All other service

Mentor, Center for Workforce Development Graduate Mentoring Program, Activities
University of Washington, 2007

Contributor, "Traveling Salesman Racetrack" and "Construction Sandbox" University of
Washington Engineering Open House, April 2007

Contributor, "Lego Port Simulation and Global Trade" University of Washington
Engineering Open House, April 2006

Panelist, "Engineering in a Real World: Making Life Better" 16th Annual Women in
Science and Engineering Conference, University of Washington, February 3, 2007

Holy Names Academy Career Day Engineering Panel, March 2006