

DATE April 23, 2019

CONTACT INFORMATION
 Research Associate Professor
 Urban Form Lab
 Department of Urban Design and Planning
 College of Built Environments
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I. EDUCATION AND EMPLOYMENT

Education **University of Washington, Seattle, WA**

Ph.D., Urban Design and Planning **December 2010**

- Thesis: *BEST MoveS: The Built Environment Space-Time MOVEMENT Study A Framework for Objective Measurement of Behavior, Movement and Exposure in Urban Environments*

Adviser: Anne V. Moudon, Dr es Sc

Area of Study: Built Environment and Human Movement Patterns

Awards:

- Faculty Medal, Urban Design and Planning, College of Built Environments, 2009
- Outstanding PhD Student in Urban Design and Planning, College of Architecture and Urban Planning, 2008
- Hall-Ammerer-WRF Graduate Fellowship, 2004-2005

M.F.R., Forest Resource Management **June 1994**

- Thesis: *Mapping the Makah: GIS in Resource Management, the Makah Indian Reservation, Washington State*

Adviser: James Agee, PhD

Area of Study: GIS and Natural Resource Management

Awards:

- Invited membership, Xi Sigma Pi (Forestry Honor Fraternity), 2004
- Byron and Alice Lockwood Fellowship, 1991-1992

Seattle University Seattle, WA

B.A., Humanities **June 1983**

Graduated *Magna cum laude*

Employment

History *Academic*
Appointments

Research Associate Professor **July 2018 to present**

Urban Form Lab, Department of Urban Design and Planning, College of Built Environments, University of Washington

Quantitative analysis of built environment and health-related behaviors

Research Assistant Professor **December 2011 to June 2018**

Urban Form Lab, Department of Urban Design and Planning, College of Built Environments, University of Washington

Quantitative analysis of built environment and health-related behaviors

Research Associate **December 2010 to December 2011**
 Urban Form Lab, Department of Urban Design and Planning, College of Built Environments, University of Washington
 Quantitative analysis of built environment and health-related behaviors

Professional Experience

Geographic Information Systems Specialist **July 1997 to December 2004**
 College of Forest Resources, University of Washington
 GIS support of students, staff, and faculty; lecturing on GIS
 • Nominated 3 times for UW Distinguished Staff award

Geographic Information Systems Technician **July 1996 to June 1997**
 City of SeaTac, WA,
 Creation and maintenance of a GIS for a small municipality in Washington State

Geographic Information Systems Coordinator **July 1994 to July 1996**
 Charles L. Pack Experimental Forest, College of Forest Resources, University of Washington
 Creation and maintenance of a GIS for the UW Experimental Forest

Watershed Resources Technician (GIS) **November 1994 to July 1995**
 Cedar River Watershed, Seattle Public Utilities, City of Seattle, WA
 GIS analysis and mapping in support of habitat conservation plan

Geographic Information Systems Analyst **June 1993 to December 1994**
 Makah Forestry Enterprise, Makah Indian Nation, Neah Bay, WA
 GIS analysis and mapping in support of habitat conservation plan

Owner/Operator **January 1986 to July 1987**
 SPOT Fine Pastries, Seattle, WA
 Owner and operator of a wholesale dessert bakery

Professional Chef **June 1983 to December 1986**
 Various restaurants in Seattle, WA

Hardware and Software Expertise

GIS
 • ArcGIS Desktop, PostGIS, QGis, OpenJUMP, Arc/INFO Workstation, ArcView GIS 3.x

Computer Programming
 • SQL, PostgreSQL, Perl, Arc Macro Language, Avenue, UNIX shell scripting, MS-DOS batch scripting

Numerical & Statistical Analysis
 • R

Desktop Editing and Productivity Software
 • Vim
 • T_EX (L^AT_EX, B_IB_TE_X, Sweave)
 • Microsoft Office
 • GIMP, Imagemagick, Photoshop, Illustrator

Operating Systems Administration
 • Microsoft Windows family, Linux, Solaris, and other UNIX variants

WWW
 • HTML/CSS, Wikimedia, Drupal, Perl-CGI, Php

II. RESEARCH

Peer-reviewed
Journal Publications
(in reverse order of
publication date)

- [1] J. Y. Scully, A. Vernez Moudon, P. M. Hurvitz, A. Aggarwal, and A. Drewnowski, “A duration-based objective measure of exposure to the food environment,” *International Journal Environmental Research and Public Health*, vol. 16, no. 6, p. 14, 2019.
- [2] K. Muni, O. Kobusingye, C. Mock, J. P. Hughes, P. M. Hurvitz, and B. Guthrie, “Motorcycle taxi program increases safe riding behaviors among its drivers in Kampala, Uganda,” *Injury Prevention*, pp. 1–6, 2018.
- [3] M. Kang, A. V. Moudon, P. M. Hurvitz, and B. E. Saelens, “Capturing fine-scale travel behaviors: a comparative analysis between personal activity location measurement system (PALMS) and travel diary,” *International Journal of Health Geographics*, vol. 17, no. 1, p. 40, 2018.
- [4] A. Drewnowski, D. Arterburn, J. Zane, A. Aggarwal, S. Gupta, P. M. Hurvitz, A. V. Moudon, J. Bobb, A. J. Cook, P. Lozano, and D. Rosenberg, “The Moving to Health (M2H) approach to natural experiment research: A paradigm shift for studies on built environment and health,” *SSM - Population Health*, p. 100345, 2018.
- [5] G. E. Duncan, A. Avery, P. M. Hurvitz, A. V. Moudon, S. Tsang, and E. Turkheimer, “Cohort Profile: TWINS study of environment, lifestyle behaviours and health,” *International Journal of Epidemiology*, pp. 1–9, 2018.
- [6] C. E. Goh, S. J. Mooney, D. S. Siscovick, R. N. Lemaitre, P. M. Hurvitz, N. Sotoodehnia, T. K. Kaufman, G. Zulaika, and G. S. Lovasi, “Medical facilities in the neighborhood and incidence of sudden cardiac arrest,” *Resuscitation*, 2018.
- [7] S. J. Mooney, R. N. Lemaitre, D. S. Siscovick, P. M. Hurvitz, C. E. Goh, T. K. Kaufman, G. Zulaika, D. M. Sheehan, N. Sotoodehnia, and G. S. Lovasi, “Neighborhood food environment, dietary fatty acid biomarkers, and cardiac arrest risk,” *Health and Place*, vol. 53, no. August, pp. 128–134, 2018.
- [8] B. Kang, A. V. Moudon, P. M. Hurvitz, and B. E. Saelens, “Differences in behavior, time, location, and built environment between objectively measured utilitarian and recreational walking,” *Transportation Research Part D: Transport and Environment*, vol. 57, pp. 185–194, 2017.
- [9] B. Kang, A. V. Moudon, P. M. Hurvitz, and B. E. Saelens, *Increased Walking’s Additive and No Substitution Effect on Total Physical Activity*. No. October, 2017.
- [10] J. Y. Scully, A. Vernez Moudon, P. M. Hurvitz, A. Aggarwal, and A. Drewnowski, “GPS or Travel Diary: Comparing Spatial and Temporal Characteristics of Visits to Fast Food Restaurants and Supermarkets,” *PIOS One*, pp. 1–13, 2017.
- [11] P. James, J. E. Hart, J. A. Hipp, J. A. Mitchell, J. Kerr, P. M. Hurvitz, K. Glanz, and F. Laden, “GPS-Based Exposure to Greenness and Walkability and Accelerometry-Based Physical Activity,” *Cancer Epidemiol Biomarkers Prev*, no. 11, pp. 525–533, 2017.
- [12] S. C. Walker, P. M. Hurvitz, J. Leith, F. I. Rodriguez, and G. C. Endler, “Evidence-Based Program Service Deserts: A Geographic Information Systems (GIS) Approach to Identifying Service Gaps for State-Level Implementation Planning,” *Administration and Policy in Mental Health and Mental Health Services Research*, 2016.
- [13] P. James, M. M. Jankowska, J. E. Hart, D. Berrigan, J. Kerr, P. M. Hurvitz, J. A. Hipp, and F. Laden, ““Spatial Energetics”: Integrating Data From GPS, Accelerometry, and GIS to Address Obesity and Inactivity,” *American Journal of Preventive Medicine*, vol. in press, 2016.

- [14] D. A. Quistberg, E. J. Howard, P. M. Hurvitz, A. V. Moudon, B. E. Ebel, F. P. Rivara, and B. E. Saelens, "The Relationship Between Objectively Measured Walking and Risk of Pedestrian - Motor Vehicle Collision," *American Journal of Epidemiology*, vol. 185, no. 9, pp. 810–821, 2017.
- [15] L.-D. Hwang, P. M. Hurvitz, and G. E. Duncan, "Cross Sectional Association between Spatially Measured Walking Bouts and Neighborhood Walkability," *International Journal of Environmental Research and Public Health*, vol. 13, no. 4, p. 412, 2016.
- [16] O. T. Stewart, H. A. Carlos, C. Lee, E. M. Berke, P. M. Hurvitz, L. Li, A. V. Moudon, and M. Doescher, "Secondary GIS built environment data for health research: guidance for data development," *Journal of Transport & Health*, 2015.
- [17] S.-R. Baek, A. V. Moudon, B. E. Saelens, B. Kang, P. M. Hurvitz, and C.-H. C. Bae, "Comparisons of Physical Activity and Walking Between Korean Immigrant and White Women in King County, WA," *Journal of Immigrant and Minority Health*, 2015.
- [18] D. A. Quistberg, E. J. Howard, B. E. Ebel, A. V. Moudon, B. E. Saelens, P. M. Hurvitz, J. E. Curtin, and F. P. Rivara, "Multilevel models for evaluating the risk of pedestrian-motor vehicle collisions at intersections and mid-blocks," *Accident Analysis & Prevention*, vol. 84, pp. 99–111, 2015.
- [19] J. Jiao, A. V. Moudon, S. Y. Kim, P. M. Hurvitz, and A. Drewnowski, "Health Implications of Adults' Eating at and Living near Fast Food or Quick Service Restaurants," *Nutrition & Diabetes*, vol. 5, no. 7, p. e171, 2015.
- [20] B. Kang, J. Y. Scully, O. T. Stewart, P. M. Hurvitz, and A. V. Moudon, "Split-Match-Aggregate (SMA) algorithm: integrating sidewalk data with transportation network data in GIS," *International Journal of Geographical Information Science*, vol. 29, no. 3, pp. 440–453, 2015.
- [21] D. A. Berrigan, J. A. Hipp, P. M. Hurvitz, P. James, M. M. Jankowska, J. Kerr, F. Laden, T. Leonard, R. McKinnon, T. M. Powell-Wiley, E. Tarlov, and S. N. Zenk, "Geospatial and Contextual Approaches to Energy Balance and Health," *Annals of GIS*, vol. 21, no. 2, pp. 157–169, 2015.
- [22] P. M. Hurvitz, A. V. Moudon, B. Kang, M. D. Fesinmeyer, and B. E. Saelens, "How Far from Home? The Locations of Physical Activity in an Urban U.S. Setting," *Preventive Medicine*, vol. 69, pp. 181–186, 2014.
- [23] P. M. Hurvitz, A. V. Moudon, B. Kang, B. E. Saelens, and G. E. Duncan, "Emerging Technologies for Assessing Physical Activity Behaviors in Space and Time," *Frontiers in Public Health*, vol. 2, p. 15, 2014.
- [24] B. E. Saelens, A. V. Moudon, B. Kang, P. M. Hurvitz, and C. Zhou, "Relation between higher physical activity and public transit use," *American journal of public health*, vol. 104, no. 5, pp. 854–9, 2014.
- [25] A. Aggarwal, A. J. Cook, J. Jiao, R. A. Seguin, A. Vernez Moudon, P. M. Hurvitz, and A. Drewnowski, "Access to Supermarkets and Fruit and Vegetable Consumption," *American Journal of Public Health*, pp. e1–e7, 2014.
- [26] G. E. Duncan, B. Mills, E. Strachan, P. M. Hurvitz, R. Huang, A. V. Moudon, and E. Turkheimer, "Stepping towards causation in studies of neighborhood and environmental effects: How twin research can overcome problems of selection and reverse causation," *Health & Place*, vol. 27, pp. 106–111, 2014.

- [27] A. V. Moudon, A. Drewnowski, G. E. Duncan, P. M. Hurvitz, B. E. Saelens, and E. Scharnhorst, “Characterizing the food environment: pitfalls and future directions,” *Public health nutrition*, pp. 1–6, 2013.
- [28] B. Kang, A. V. Moudon, P. M. Hurvitz, L. Reichley, and B. E. Saelens, “Walking objectively measured: Classifying accelerometer data with GPS and travel diaries,” *Medicine and Science in Sports and Exercise*, vol. 45, no. 7, pp. 1419–1428, 2013.
- [29] A. Drewnowski, A. Aggarwal, P. M. Hurvitz, P. Monsivais, C. D. Rehm, and A. V. Moudon, “Drewnowski et al. respond,” *American journal of public health*, vol. 103, no. 1, pp. e2–e3, 2013.
- [30] C. D. Rehm, A. V. Moudon, P. M. Hurvitz, and A. Drewnowski, “Residential property values are associated with obesity among women in King County, WA, USA.,” *Social science & medicine*, pp. 3–7, 2012.
- [31] J. Jiao, A. V. Moudon, J. Ulmer, P. M. Hurvitz, and A. Drewnowski, “How to identify food deserts: measuring physical and economic access to supermarkets in King County, Washington.,” *American journal of public health*, pp. 1–8, 2012.
- [32] A. Drewnowski, A. Aggarwal, P. M. Hurvitz, P. Monsivais, and A. V. Moudon, “Obesity and supermarket access: proximity or price?,” *American journal of public health*, pp. e1–e7, 2012.
- [33] P. M. Hurvitz and A. V. Moudon, “Home versus nonhome neighborhood: quantifying differences in exposure to the built environment.,” *American journal of preventive medicine*, vol. 42, no. 4, pp. 411–7, 2012.
- [34] A. V. Moudon, L. Lin, J. Jiao, P. M. Hurvitz, and P. Reeves, “The risk of pedestrian injury and fatality in collisions with motor vehicles, a social ecological study of state routes and city streets in King County, Washington,” *Accident analysis & prevention*, vol. 43, no. 1, pp. 11–24, 2011.
- [35] A. V. Moudon, A. J. Cook, J. Ulmer, P. M. Hurvitz, and A. Drewnowski, “A neighborhood wealth metric for use in health studies.,” *American journal of preventive medicine*, vol. 41, no. 1, pp. 88–97, 2011.
- [36] A. Bassok, P. M. Hurvitz, C.-h. C. Bae, and T. Larson, “Measuring neighbourhood air pollution: the case of Seattle’s International District,” *Journal of environmental planning and management*, vol. 53, no. 1, pp. 23–39, 2010.
- [37] D. C. Hughes, A. Andrew, T. Denning, P. M. Hurvitz, J. Lester, S. Beresford, G. Borriello, B. Bruemmer, A. V. Moudon, and G. E. Duncan, “BALANCE (bioengineering approaches for lifestyle activity and nutrition continuous engagement): developing new technology for monitoring energy balance in real time.,” *Journal of diabetes science and technology*, vol. 4, no. 2, pp. 429–34, 2010.
- [38] P. M. Hurvitz, A. V. Moudon, C. D. Rehm, L. Streichert, and A. Drewnowski, “Arterial roads and area socioeconomic status are predictors of fast food restaurant density in King County, WA,” *International journal of behavioral nutrition and physical activity*, vol. 6, no. 1, p. 46, 2009.
- [39] A. V. Moudon, L. Lin, P. M. Hurvitz, and P. Reeves, “Risk of pedestrian collision occurrence: case control study of collision locations on state routes in King County and Seattle, Washington,” *Transportation research record*, vol. 2073, pp. 25–38, 2008.
- [40] G. E. Duncan, J. Goldberg, C. Noonan, A. V. Moudon, P. M. Hurvitz, and D. Buchwald, “Unique environmental effects on physical activity participation: a twin study,” *PLoS ONE*, vol. 3, no. 4, p. e2019, 2008.

- [41] G. S. Lovasi, A. V. Moudon, A. L. Pearson, P. M. Hurvitz, E. B. Larson, D. S. Siscovick, E. M. Berke, T. Lumley, and B. M. Psaty, "Using built environment characteristics to predict walking for exercise," *International journal of health geographics*, vol. 7, p. 10, 2008.
- [42] J. M. Marzluff, J. J. Millspaugh, P. M. Hurvitz, and M. S. Handcock, "Relating resources to a probabilistic measure of space use: Forest fragments and Steller's Jays," *Ecology*, vol. 85, no. 5, pp. 1411–1427, 2004.

Peer-reviewed
Conference
Publications

- [1] P. M. Hurvitz, "GPS and accelerometer time stamps: proper data handling and avoiding pitfalls," In: *Proceedings of The First International Workshop on Smart Cities and Urban Analytics (UrbanGIS) 2015*, Seattle, WA, 7 p, 2015.
- [2] J. Lester, P. M. Hurvitz, R. Chaudhri, C. Hartung, and G. Borriello, "MobileSense - sensing modes of transportation in studies of the built environment," In: *Proceedings of UrbanSense08*, 2008, pp. 46-50.

Technical
Reports

- [1] A. V. Moudon, L. Lin, and P. M. Hurvitz, "Managing pedestrian safety I: injury severity; A multivariate analysis of the severity of injury sustained by pedestrians involved in collisions on state routes in King County, Washington, and a discussion of effective safety," University of Washington/Washington State Transportation Center (TRAC), Seattle, WA, 55 p, February 2007

Conference
Publications
(published where
indicated)

- [1] D. A. Quistberg, B. E. Ebel, P. M. Hurvitz, E. J. Howard, A. V. Moudon, B. E. Saelens, and F. P. Rivara, "Walking route safety and objectively measured walking: a multilevel analysis," *Inj. Prev.*, vol. 21, no. Suppl 2, pp. A15.1–A15, 2015
- [2] P. M. Hurvitz, A. V. Moudon, A. Aggarwal, and A. Drewnowski, "Proximity to food stores may not predict use," *FASEB J.*, vol. 24, no. Meeting Abstract Supplement 1b331, 2010.
- [3] D. C. Hughes, A. Andrew, R. Chaudhri, T. Denning, C. Hartung, P. M. Hurvitz, J. Lester, S. Beresford, G. Borriello, B. Bruemmer, A. V. Moudon, and G. E. Duncan, "BAL-ANCE: bioengineering approaches for lifestyle activity and nutrition continuous engagement," *Med. Sci. Sports Exerc.*, vol. 41, no. Supplement 1, pp. 45-46, 2009.
- [4] A. Erickson, L. Rogers, P. M. Hurvitz, and J. Harris, "Challenges and solutions for a regional land use change analysis," In: *Proceedings of Esri International User Conference*, San Diego, CA, 2006.

Conference
Presentations

- [1] P. M. Hurvitz "Better Practices for Spatial Energetics Data Processing." *Geospatial Approaches to Cancer Control and Population Sciences*, National Cancer Institute, Bethesda MD, Sept 15, 201
- [2] P. M. Hurvitz "Installing and Using PostGIS (in 5 minutes or less)." *GIS Day*, University of Washington Libraries, Seattle, WA, Nov 19, 2014
- [3] P. M. Hurvitz "R, PostGIS, and Sweave: Reproducible Research." *CUGOS 2012 Spring Fling*. University of Washington, Cascadia Users of Open Source GIS, Seattle, WA, May 16, 2012

- [4] P. M. Hurvitz and A. V. Moudon. "Using SmartMaps to Characterize Home and Non-home Built Environment Exposure." *GIS in Public Health Conference*, URISA, Atlanta, GA, June 27-30, 2011
- [5] P. M. Hurvitz and A. V. Moudon. "SmartMaps and Built Environment Exposure: Extending Measurement Paradigms." *GIS in Public Health Conference*, URISA, Atlanta, GA, June 27-30, 2011
- [6] P. M. Hurvitz. "R, PostgreSQL, and PostGIS: Techniques for Processing Large Data Sets." *CUGOS 2011 Spring Fling*, University of Washington, Cascadia Users of Open Source GIS, Seattle, WA, April 20, 2011
- [7] P. M. Hurvitz. "Space, Time, and Movement: Integrating High-Resolution GPS, GIS, and Accelerometry for Estimating Built Environment Exposure." *American Association of Geographers Annual Meeting*, Seattle, WA, April 12-16, 2011
- [8] P. M. Hurvitz. "The Global Obesity Epidemic; Built Environment and Obesity: What We (Don't) Know ... Yet!" In: *The First Canadian Health Care Conference*, Jan 21, 2010
- [9] P. M. Hurvitz and A. Erickson, "It's True! We Registered Sixteen Images in Under Two Hours! Using itp_find for Image Registration." In: *Proceedings of Esri International User Conference*, San Diego, CA, 2006.
- [10] P. M. Hurvitz, "The Walkable-Bikeable Communities Analyst Extension for ArcView GIS 3.x." In: *Proceedings of Esri International User Conference*, San Diego, CA, 2005.
- [11] P. M. Hurvitz, "Site License Automation Tools at University of Washington." In: *Proceedings of Esri International User Conference*, San Diego, CA, 2001.
- [12] P. M. Hurvitz, "Securing UNIX Servers with the Secure Shell (ssh)." In: *Proceedings of Esri International User Conference*, San Diego, CA, 2000.
- [13] P. M. Hurvitz, "Setting up a Metadata Node for the National Spatial Data Infrastructure." *Northwest Esri User Group Meeting*, Sun Valley, ID, 1998.
- [14] P. M. Hurvitz, "Estimating Municipal Land Capacity: A Parcel-Based Approach." *Northwest Esri User Group Meeting*, Seattle, WA, 1997.
- Invited Presentations
- [1] P. M. Hurvitz. "Built Environment and Behavior: an Approach Based on Objective Data" *Urban Design and Planning PhD Symposium*, University of Washington, Seattle, WA, May 4, 2017
- [2] P. M. Hurvitz. "Considering Space and Time in Community Mobility and Participation." *Research Summit IV: Innovations in Technology for Children with Brain Insults: Maximizing Outcomes*, The Section on Pediatrics of the American Physical Therapy Association, Alexandria, VA, October 15-17, 2015
- [3] P. M. Hurvitz. "Built Environment and Physical Activity: Measurement and Analysis Using (Mostly) Objective Approaches." *Biobehavioral Cancer Prevention and Control Fellows Meeting*, Fred Hutchinson Cancer Research Center, Seattle, WA, February 13, 2015
- [4] P. M. Hurvitz. "LifeLogs: High Resolution Space-Time Data using GPS, Accelerometry, Travel Diaries, and GIS for Behavioral Research." *Center for Statistics in Social Sciences Seminar*, University of Washington, Seattle, WA, February 4, 2015

- [5] P. M. Hurvitz and B. Kang. “Integration of GPS, Accelerometry, and Travel Diaries to Identify Walking Trips,” *Puget Sound Regional Council Interagency Data Sharing Group*, Seattle, WA, April 26, 2012
- [6] P. M. Hurvitz. “Quantifying Built Environment Exposure with Objective High-Resolution Data,” *Center for Statistics in Social Sciences Seminar, University of Washington*, Seattle, WA, Nov 2, 2011
- [7] P. M. Hurvitz. “Built Environment and Public Health: Current Research in the Urban Form Lab,” *NEXT CITY | NEXT 50: A Celebration in Thinking Forward*, College of Built Environments, Seattle, WA, January 29-30, 2010
- [8] P. M. Hurvitz. “Research Perspectives on Healthy Communities,” *Healthy Communities by Design for All Ages*, Snohomish County Long Term Care and Aging, Everett, WA September 25, 2009
- [9] P. M. Hurvitz. “Mapping the Urban Environment,” In: *Mapping Poverty and Obesity: A New Research Agenda*, University of Washington Exploratory Center for Obesity Research, Seattle, WA, June 20-21, 2008
- [10] L. deMontigny and P. M. Hurvitz, “Beyond Mapping,” In: *Mapping Poverty and Obesity: A New Research Agenda*, University of Washington Exploratory Center for Obesity Research, Seattle, WA, June 20-21, 2008
- [11] P. M. Hurvitz. “New Methods For Measuring Access To Food Sources,” *Research to Policy Briefing with Food Standards, Australia/New Zealand*, University of Washington Exploratory Center for Obesity Research, Seattle, WA, September 6, 2007
- [12] P. M. Hurvitz. “Research in the Urban Form Lab College of Architecture and Urban Planning University of Washington,” *Presentation to Kobe University Scholars, University of Washington*, Seattle WA, July 13, 2006
- [13] P. M. Hurvitz. “The Geography of Obesity: Mapping and Modeling in King County,” *Third King County Overweight Prevention Initiative Forum: Activate*, King County Board of Health, Tukwila, WA, October 14, 2005
- [14] P. M. Hurvitz. “Introduction to Geographic Information Science,” *University of Washington–Bothell*, UW Bothell Libraries, September 14, 2005
- [15] P. M. Hurvitz. “GIS and the Built Environment: An Overview,” *GIS and the Geography of Obesity Workshop*, University of Washington Exploratory Center for Obesity Research, Seattle, WA, August 3, 2005
- [16] P. M. Hurvitz. “Extending ArcView’s Spatial Analysis Capabilities,” *Data Working Group Meeting*, USFS Forestry Sciences Laboratory, Olympia, WA, April 7, 2003
- [17] P. M. Hurvitz. “GIS and GPS for the Non-Industrial Private Forest,” *Washington Farm Forestry Association Forest Owners’ Field Day*, University of Washington Pack Forest, WA, April 27, 2002
- [18] P. M. Hurvitz. “Introduction to GIS for Career Counselors” *Science And Natural Resources Pathway Career Counselors Tour*, Hood Canal Institute at Theler Wetlands, WA, October 3, 2002
- [19] P. M. Hurvitz. “GIS Applications in Natural Resource Management,” *Common Ground, Common Water Skill Standards Workshop*, Hood Canal Institute at Theler Wetlands, November 8, 2001

- [20] P. M. Hurvitz. “Introduction to Geographic Information Systems and their Potential Uses as Management Tools in Commercial Shellfish Farming,” *55th Annual Conference Pacific Coast Shellfish Growers Association & the National Shellfisheries Association—Pacific Coast Section*, Silverdale, WA, September 20-22, 2001

Workshops

- [1] E. M. Berke, P. M. Hurvitz, M. N. Oliver, A. Bazemore, I. Xierali, “Understanding Geography And Spatial Epidemiology In Primary Care Research: A Hands-on Introduction to Geographic Information Systems,” given at *North American Primary Care Research Group 38th Annual Meeting*, Seattle, WA, November 13, 2010
- [2] E. M. Berke, P. M. Hurvitz, M. N. Oliver, A. Bazemore, I. Xierali, “Mapping Health and Disease I: A Hands-On Introduction to Geographic Information Systems,” given at *North American Primary Care Research Group 36th Annual Meeting*, San Juan, PR, November 15, 2008
- [3] E. M. Berke, P. M. Hurvitz, M. N. Oliver, A. Bazemore, I. Xierali, “Mapping Health and Disease II: A Hands-On Workshop in Intermediate Geographic Information Systems and Concepts in Spatial Epidemiology,” given at *North American Primary Care Research Group 36th Annual Meeting*, San Juan, PR, November 15, 2008
- [4] M. N. Oliver, E. Berke, A. Bazemore, X. Zhang, R. Phillips, P. M. Hurvitz, “Health and Geography: A Workshop on How to Use Geographic Information Systems in Primary Care Research,” given at *North American Primary Care Research Group 35th Annual Meeting*, Vancouver, Canada, October 20, 2007

Grant Funded Research

University of Washington, Seattle, WA

- **National Institute of Nursing Research**
Efficacy and Mechanism of a Community Wellness Promotion Program for Middle Aged Adults Living with Long Term Physical Disability
 - Grant R01 NR016942, 2018-2023
 - PI: Ivan Molton, PhD
 - Role: Co-Investigator
Lead for design and analysis of **GPS and travel diary** on an evidence-based health promotion intervention study for promoting community participation
- **US Department of Transportation**
I-35 Freight Advanced Traveler Information System (FRATIS) Impacts Assessment
 - Grant DTFH61-12-D-00042, 2016-2018
 - PI: Mark Hallenbeck
 - Role: Consultant/Analyst
Developed a PostgreSQL/PostGIS system for estimating highway travel time under differing traffic construction delay scenarios
- **National Cancer Institute**
Structural & Programmatic Effects of Bus Rapid Transit on Physical Activity
 - Grant R01 CA178343, 2016-2019
 - PI: Brian Saelens, PhD
 - Role: Co-Investigator
Informatics lead on a longitudinal treatment/control study investigating the effect of a new bus rapid transit system on physical activity changes
- **National Center for Research Resources**
An Exploratory Center for Obesity Research

- Grant P20 RR020774, 2004-2007
- PI: Adam Drewnowski, PhD
- Role: Research Associate
- **Wrote and co-led pilot study** for real-time sensing of activity and environment using a novel multi-sensing device
- National Heart, Lung, and Blood Institute (NHLBI)
 - *The effect of light rail transit on physical activity: a natural experiment*
 - Grant R01 HL091881, 2008-2013
 - PI: Brian Saelens, PhD
 - Role: Investigator
 - **Developed automated system** for combining GPS, accelerometry, and self-reported travel diary into a single “*LifeLog*” tabular format for temporal analysis of transportation and physical activity behavior; developed error-checking database system for transcription of travel diary data
 - *Rural town walkability: measuring the effect of the built environment*
 - Grant R01 HL103478, 2010-2013
 - PI: Mark Doescher, MD, MSPH
 - Role: Investigator
 - **Led data collection and management** of GPS, accelerometry, and self-reported travel diary data for a multi-site study on walking behavior in small towns
 - *BALANCE: Bioengineering Approaches For Lifestyle Activity And Nutrition Continuous Engagement*
 - Grant R21 AG032232, 2007-2009
 - PI: Glen Duncan, PhD
 - Role: Research Associate
 - **Developed a Smartphone-based map interface** for displaying healthy food
- National Institute on Aging (NIA)
 - *TWIN Study of environment, lifestyle behaviors, and health*
 - Grant R01 AG042176, 2011-2015
 - PI: Glen Duncan, PhD
 - Role: Investigator
 - **Development and analysis** of GPS, accelerometry, and Smartphone-based system for measurement of location, physical activity, food and exercise behavior, and built environment
- National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
 - *Food environment, diet quality and disparities in obesity*
 - Grant R01 DK076608, 2007-2016
 - PI: Adam Drewnowski, PhD
 - Role: Investigator
 - **Developed methodologies** for measurement of food shopping distances, GPS- and travel-diary based assessment of travel and food-related behavior
- Pacific Northwest Transportation Consortium (PacTrans)
 - “Smartphone-based system for automated detection of walking”
 - 2013-2014
 - PI: Philp M. Hurvitz, PhD
 - Role: Principal Investigator
 - **Development of a Smartphone based method** for detecting walking using intervalometric photos, GPS, accelerometry, and other phone-based sensors
- University of Washington Royalty Research Fund
 - *Validation of new technologies and methodologies for measuring physical activity and location in real time-space*
 - Grant January 2007

- PI: Gaetano Borriello, PhD
- Role: Research Associate
Designed and administered study for real-time sensing of activity and environment using a novel multi-sensing device; led to dissertation research
- Washington Department of Transportation (WSDOT)
Managing Pedestrian Safety I: Injury Severity – A multivariate analysis of the severity of injury sustained by pedestrians involved in collisions on state routes in King County, Washington, and a discussion of effective safety intervention and injury prevention policies
 - Grant Agreement T2695 Task 84, 2007-2015
 - PI: Anne Moudon, Dr es Sc
 - Role: Research Associate
Geocoded car & pedestrian collisions on King County state routes; obtained built environment measures in proximity to collisions using GIS data

Washington University, ST. Louis, MO

- National Institute of Child Health & Human Development
Childhood Obesity Treatment: A Maintenance Approach
 - Grant R01 HD036904, 2011-2012
 - PI: Denise Wilfley, PhD
 - Role: Consultant
Designed a GIS measurement framework for quantifying built environment in residential neighborhoods for a pediatric weight loss intervention study

Drexel University, Philadelphia, PA

- National Institute on Aging (NIA)
Communities Designed to Support Cardiovascular Health for Older Adults
 - Grant R01 AG049970, 2015-2019
 - PI: Gina Lovasi, PhD
 - Role: Investigator
Designed and implemented spatial databases for a longitudinal study on built environment and cardiovascular disease.

Louisiana State University, New Orleans, LA

- Eunice Kennedy Shriver National Institute of Child Health Human Development (NICHD)
Power Training Combined with Interval Treadmill Training to Improve Walking Activity in Cerebral Palsy
 - Grant R01 HD091089, 2018-2023
 - PI: Noelle Moreau, PhD, PT
 - Role: Investigator
Designed and implemented spatial databases including GPS and StepWatch data for a longitudinal study on physical therapy for children with cerebral palsy.

III. TEACHING

Formal Courses

Green River Community College, Auburn, WA

Instructor

Autumn 1994-Spring 1996

- Instructor for GIS 151 (Introduction to the UNIX Operating System; Surface Modeling with GRID & TIN)
Developed a new introductory course for a new GIS program at GRCC Professional program of primarily focused on job retraining

University of Washington, Seattle, WA*Pre-Doctoral Associate***Autumn 2009-Winter 2010**

- Instructor for ESRM 250/CFR 590: Introduction to Geographic Information Systems in Forest Resources
Average course evaluation: 4.1 out of 5

*Teaching Assistant***Autumn 2006**

- UrbDP 479: The Urban Form
Assisted instructor [Anne Moudon](#)
Provided support to students during instructional lab time and via e-mail
Developed new GIS Analysis module
Graded assignments
Maintained course web page

*Pre-Doctoral Associate***Summer 2005**

- Instructor for UrbDP 498/598: Introduction to Geographic Information Systems in Natural Resources
Taught a summer session of an introductory GIS course
Undergraduate and graduate sections

*Teaching Assistant***Spring 2004**

- UrbDP 422: Urban & Rural Geo-Spatial Analysis
Assisted instructor [Marina Alberti](#)
Provided support to students during instructional lab time and via e-mail
Graded assignments
Maintained course web page

*Lecturer***Autumn 1998-Winter 2004**

- Instructor for CFR 250/ESRM 250/CFR 590: Introduction to Geographic Information Systems in Forest Resources
Developed a new comprehensive introductory course for the technical use of GIS in natural resource management; course became required for all undergraduate majors
Undergraduate and graduate sections
Average course evaluation: 4.3 out of 5

*Instructor***Winter 2001; Spring 2002**

- Instructor for FM 590: Introduction to GIS Programming with Arc Macro Language (AML)
Taught an introductory course in GIS programming for Arc/INFO

*Instructor***Autumn 1998-Winter 2000**

- Instructor for GEOG CP 105: GIS Analysis: Introduction to Geographic Information Systems Analysis
Taught an introductory course in GIS analysis for UW Extension
Certificate program in GIS aimed at working professionals seeking GIS skills

*Instructor***Autumn 1997-Winter 2000**

- Instructor for CFR 590: Understanding GIS: The ARC/INFO Method
Taught an course based on the standard Esri introductory workbook for Arc/INFO

Dartmouth College, Hanover, NH*Instructor* **April 1-2, 2010**

- ECS 155: The Geography of Health, “Introduction to Geographic Information Systems in Public Health,”

Instructor **April 8-9, 2009**

- ECS 155: The Geography of Health, “Introduction to Geographic Information Systems in Public Health,”

Instructor **April 2-3, 2008**

- ECS 155: The Geography of Health, “Introduction to Geographic Information Systems in Public Health,”

Instructor **April 4-5, 2007**

- ECS 155: The Geography of Health, “Introduction to Geographic Information Systems in Public Health,”

Columbia University*Instructor* **June 26-30, 2017**

- Introduction to Geographic Information Systems in Public Health, Epidemiology and Population Health Summer Institute

Instructor **June 8-12, 2016**

- Introduction to Geographic Information Systems in Public Health, Epidemiology and Population Health Summer Institute

Teaching Assistant **June 1-5, 2015**

- Geographic Information Systems, Epidemiology and Population Health Summer Institute

Guest Lectures

- [1] P. M. Hurvitz. “Walking: a planning, transportation, and health perspective”, *UrbDP 532: Current Topics in Transportation Planning and Policy*, University of Washington, Seattle, WA, January 31, 2019
- [2] P. M. Hurvitz. “Technique: Where the Rubber Meets the Road in Scientific Research”, *UrbDP 598: Urban Science*, University of Washington, Seattle, WA, November 15, 2018
- [3] P. M. Hurvitz. “Document Formatting and Automation for Reporting Research”, *UrbDP 512A: Research Seminar*, University of Washington, Seattle, WA, November 13, 2018
- [4] P. M. Hurvitz. “Urban Planning, Health, GIS and ...” *PCE GIS Certificate Program*, University of Washington, Seattle, WA, May 2, 2018
- [5] P. M. Hurvitz. “Walking: a planning, transportation, and health perspective” *UrbDP 598B: Current Topics in Transportation Planning and Policy*, University of Washington, Seattle, WA, January 4, 2018
- [6] P. M. Hurvitz. “Urban Form Lab Activities” *UrbDP 500: Survey of Planning*, University of Washington, Seattle, WA, November 20, 2017
- [7] P. M. Hurvitz. “Document Formatting and Automation for Reporting Research”, *UrbDP 512A: Research Seminar*, University of Washington, Seattle, WA, November 11, 2017

- [8] P. M. Hurvitz. “R: A Research Perspective” *UrbDP 520A: Quantitative Methods in Urban Design and Planning*, University of Washington, Seattle, WA, November 9, 2017
- [9] P. M. Hurvitz. “Urban Form Lab Research” *Institute for built environment innovations*, University of Washington, Seattle, WA, October 16, 2017
- [10] P. M. Hurvitz. “Walking in the (Future) City” *BE 405/505: Restructuring for the Future City*, University of Washington, Seattle, WA, February 29, 2017
- [11] P. M. Hurvitz. “From Data to Movement, Behavior, and Health: GIS in Urban Data Science” *ARCH 598: Future of the City*, University of Washington, Seattle, WA, February 17, 2017
- [12] P. M. Hurvitz. “Walking: a planning, transportation, and health perspective” *UrbDP 598A: Current Topics in Transportation Planning and Policy*, University of Washington, Seattle, WA, February 1, 2017
- [13] P. M. Hurvitz. “Assessing Built Environment and Activity: Real Time Measurement and Analysis at High Spatial and Temporal Resolution” *CEE 416: Urban Transportation Planning*, University of Washington, Seattle, WA, November 7, 2016
- [14] P. M. Hurvitz. “Assessing Built Environment and Activity: Real Time Measurement and Analysis at High Spatial and Temporal Resolution” *UrbDP 591: Research Design in Urban Science*, University of Washington, Seattle, WA, October 10, 2016
- [15] P. M. Hurvitz. “Dealing with Large Data Sets” *UrbDP 591: Research Design in Urban Science*, University of Washington, Seattle, WA, October 10, 2016
- [16] P. M. Hurvitz. “Physical Activity, Nutrition, Built Environment, and Health” *EnvH/UrbDP 538: Public Health and Built Environment/Healthy Community Design*, University of Washington, Seattle, WA, January 14, 2016
- [17] P. M. Hurvitz. “Analysis of Travel Diary Data” *UrbDP 576 Pedestrian Travel, Land Use, and Urban Form*, University of Washington, Seattle, WA, April 18, 2015
- [18] P. M. Hurvitz. “Walking: a Planning, Transportation, and Health Perspective” *UrbDP 598A: Current Topics in Transportation Planning and Policy*, University of Washington, Seattle, WA, February 2, 2015
- [19] P. M. Hurvitz. “Assessing Built Environment and Activity: Real Time Measurement and Analysis at High Spatial and Temporal Resolution” *UrbDP 591A Advanced Research Design: Theoretical and Practical Challenges*, University of Washington, Seattle, WA, October 9, 2014
- [20] P. M. Hurvitz. “Measuring Walking” *UrbDP 576: Pedestrian Travel, Land Use, and Urban Form*, University of Washington, Seattle, WA, April 14, 2014
- [21] P. M. Hurvitz and J. Y. Scully. “Food-related Behavior: A Spatial Perspective” *NUTR 500 Graduate Seminar: Current Issues in Nutrition*, University of Washington, Seattle, WA, December 5, 2013
- [22] P. M. Hurvitz. “Dealing with Large Data Sets” *UrbDP 591A Advanced Research Design: Theoretical and Practical Challenges*, University of Washington, Seattle, WA, October 17, 2013
- [23] P. M. Hurvitz. “Analysis of Travel Diary Data” *UrbDP 576 Pedestrian Travel, Land Use, and Urban Form*, University of Washington, Seattle, WA, April 29, 2013
- [24] P. M. Hurvitz. “Travel Diary Data Entry” *UrbDP 576 Pedestrian Travel, Land Use, and Urban Form*, University of Washington, Seattle, WA, April 1, 2013

- [25] P. M. Hurvitz. “Quantifying the food environment: Concepts and methods,” *NUTR 500: Graduate Seminar, Current Issues in Nutrition*, University of Washington, Seattle, WA, February 4, 2010
- [26] P. M. Hurvitz. “Food Access: a Spatial and Temporal Perspective,” *NUTR 500 Graduate Seminar: Current Issues in Nutrition*, University of Washington, Seattle, WA, January 17, 2013
- [27] P. M. Hurvitz. “Measures of Access to Quick Service Restaurants,” *NUTR 500: Graduate Seminar, Current Issues in Nutrition*, University of Washington, Seattle, WA, November 2, 2009
- [28] P. M. Hurvitz. “Measuring individual space-time movements in the urban environment,” *ESRM 250: Introduction to Geographic Information Systems in Forest Resources*, University of Washington, Seattle, WA, October 1, 2009
- [29] P. M. Hurvitz. “New Measures of the Food Environment in Seattle-King County,” *NUTR 500: Graduate Seminar, Current Issues in Nutrition*, University of Washington, Seattle, WA, February 19, 2009
- [30] P. M. Hurvitz. “Validating Objective Measures of Physical Activity with a Novel Device,” *UrbDP 598: Built Environment & Health*, University of Washington, Seattle, WA, January 22, 2008
- [31] P. M. Hurvitz. “Objective Measures of Physical Activity and Built Environment,” *ESRM 250: Introduction to Geographic Information Systems in Forest Resources*, University of Washington, Seattle, WA, November 13, 2007
- [32] P. M. Hurvitz. “Objective Measures of Physical Activity and Built Environment,” *UrbDP PhD Colloquium*, University of Washington, Seattle, WA, October 23, 2007
- [33] P. M. Hurvitz. “GIS and Urban Form,” *UrbDP 422: The Urban Form*, University of Washington, Seattle, WA, October 22, 2007
- [34] P. M. Hurvitz. “Measuring Physical Activity and Location in Real Time,” *MEBI 591B: Public Health Informatics Seminar*, University of Washington, Seattle, WA, May 4, 2007
- [35] P. M. Hurvitz. “Research in the Urban Form Lab College of Architecture and Urban Planning University of Washington,” *Green River Community College*, Auburn, WA, December 6, 2006
- [36] P. M. Hurvitz. “Validation of New Technologies and Methodologies for Measuring Physical Activity and Location in Real Time-Space”, *UrbDP PhD Colloquium*, University of Washington, Seattle, WA, October 10, 2006

Student Advising

Di Simone, Anthony**current**

Committee member for MUP student. Research topics: Longitudinal treatment/control study of bike share on transit ridership

Frazier, Jonathan**current**

Committee member for MUP student.

Robinson, Jamaica, PhC**current**

Committee member for PhD student. Research topics: Neighborhood environmental effects in colon cancer survival

- Maring “Kennedy” Muni, PhC** **current**
Committee member for PhD student. Research topics: Evaluation fo SafeBoda program in Kampala, Uganda
- Eric Howard, PhC** **current**
Committee member for PhD student. Research topics: Quantitative analysis of built environment, transportation, physical activity, walking, air pollution exposure
- Wei Ding, MUP** **2016**
Committee member for Master of Urban Planning student. Thesis title: “How built environment and weather impact bike share–evidence from the bike share system Pronto in Seattle”
- Jason Scully, PhD** **2016**
Committee member for Urban Design and Planning PhD student. Thesis title: “Human Mobility, Exposure to the Built Environment, and Health”
- Daniel Hwang, MPH** **2014**
Committee member for current Master of Public Health student. Thesis title: “Physical activity and home neighborhood characteristics.”
- Stephen Padua, MUP** **2013**
Committee member for Master of Urban Planning student. Thesis title: “Traffic Calming on Arterial Streets: The Seattle Experience.”
- Brian Kertson, PhD** **2005**
Committee member for MS student Wildlife Ecology, University of Washington. Thesis title: “*Puma concolor* ecology and behavior.”
- Brian R. Zweibel, MS** **2003**
Committee member for MS student in Forest Resource Management, University of Washington. Thesis title: “Human Distribution in the Alagnak Wild River Corridor: Spatial and Temporal Patterns in Southwest Alaska.” 2003.
- Elizabeth Dolan, MS** **2002**
Committee member for MS student in Forest Soils, University of Washington. Thesis title: “Soil and site variability in the Northeast Wenatchee Mountains.”

IV. ACADEMIC SERVICE

- University of Washington **Search committee for Research Assistant Professor in Real Estate (Member)** **2016**
Department of Urban Design and Planning, University of Washington
- Alumni Board, University of Washington College of Forest Resources** **2003-present**
University of Washington
- Advisory Board Member, University of Washington Extension (GIS Certificate Program)** **1999-present**
University of Washington
- Esri Site License Coordinator** **1997-present**
University of Washington, Primary coordinator of software distribution, licensing, and technical support for University of Washington site license for Esri (GIS) software
- Administer software licenses for > 5,000 users
 - Oversee administration of Esri Virtual Campus subscription, > 10,000 courses
 - Administer ArcGIS Online, > 800 users
- Creator/administrator of UW-GIS-L** **1997-present**
E-mail listserv providing GIS information and support to > 600 users within and beyond UW

GIS Day Planning Committee **2001-present**
University of Washington

Interdisciplinary PhD Program in Urban Design and Planning Steering Committee (Student Member) **2008-2009**
University of Washington

External

Review Committee, Oregon State University Forestry (Member) **September-October 2002**
Part of a 3-person team invited to review OSU's Forestry computing resources

Journal Referee

- American Journal of Preventive Medicine
- Exercise and Sport Sciences Reviews
- Environment and Behavior
- Health and Place
- International Journal of Health Geographics
- Medicine and Science in Sports and Exercise
- Preventing Chronic Disease (CDC)
- Preventive Medicine