

Liv Haselbach
PO Box 10024
Lamar University, Beaumont TX 77710
(409) 880-8759

EDUCATION

- University of Connecticut**
Ph.D. in Environmental Engineering [2000]
Dissertation: "Floating spatial domain areal averaging: A multi-objective, multi-criteria decision support model for the development of cleanup goals at contaminated sites"
- UC Berkeley** [1981]
M.S. in Chemical Engineering
Thesis: "Phosphate Removal by Weak-Base Ion Exchange"
- Cornell University** [1979]
B.S. in Civil and Environmental Engineering

ACADEMIC AWARDS

- Exceptional Professor Award, The Associated Students of Washington State University [2016]
- Fulbright/Alcoa Distinguished Chair in Environmental Sciences and Engineering [2014/2015]
- Provost's Faculty Leadership Academy Certificate of Achievement (WSU) [2012]
- Sloan Foundation Certificate of Appreciation (Advancing underrepresented students) [2007]
- Environmental Stewardship Award for Faculty (USC, School of the Environment) [2007]
- General Electric Fund Fellowship [1997/1998]
- University of Connecticut Civil and Environmental Engineering Fellowship [1997/1999]
- Fuertes Gold Medal Cornell (1st woman, 1st student graduating in under 4 years, and 1st co-op student to be the top student in the Cornell C&EE graduating class) [1979]

TEACHING EXPERIENCE

- Washington State University, Pullman, WA (WSU)*** [2008-2016]
- Sustainability Engineering: Life Cycle Assessment**
Introduction to Environmental Engineering
Sustainability Engineering: Green Engineering
Fluid Mechanics
Senior Design [2002 – 2008]
- University of South Carolina, Columbia, SC (USC)***
- Engineering Graphics**
Air Pollution Control Engineering
Land Development
Sustainable Development
- Yale University, New Haven, CT*** [2001]
- Air Pollution Control Engineering**
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ACADEMIC ADMINISTRATIVE & RELATED HIGHER EDUCATION EXPERIENCE

Lamar University, Beaumont TX Professor and Chair, Civil and Environmental Engineering	[2016 – Present]
Washington State University, Pullman, WA Professor, Civil and Environmental Engineering Associate Professor, Civil and Environmental Engineering	[2016] [2008-2016]
University of South Carolina, Columbia, SC Assistant Professor, Civil and Environmental Engineering	[2002-2008]
Yale University, New Haven, CT Lecturer, Chemical Engineering	[2001]

SIGNIFICANT PROFESSIONAL PUBLICATIONS

- Langfitt, Q. and Haselbach, L. (2016) Entity Normalization in Life Cycle Assessment: Hybrid Schemes Applied to a Transportation Agency Case Study, Accepted J. of Industrial Ecology.
 - Haselbach, L., Werner, B., Dutra, V., Schwetz, P., Silva Filho, L.C.P., Batezini, R., Curvo, F., Balbo, J. (2016) Estimating Porosity of In-Situ Pervious Concrete Using Surface Infiltration Tests, ASTM Journal of Testing and Evaluation. Vol. 45, Issue 5.
 - Toro, C. Jobson, B.T., Haselbach, L., Shen, S., and Chung, S. (2016) Photoactive roadways: Determination of CO, NO and VOC uptake coefficients and photolabile side product yields on TiO₂ treated asphalt and concrete. Atmosenv 139 pp 37–45.
 - Haselbach, L. and Langfitt, Q. (2016) Incorporating Pre-recorded Environmental Life Cycle Assessment Modules in a Classroom Setting, J. Prof. Issues Eng. Educ. Pract , 10.1061/(ASCE)EI.1943-5541.0000299, D5016001.
 - Thomas, A., Haselbach, L. Poor, C., and Freimund, M. (2015) Long-term Metal Retention Performance of Media Filter Drains for Stormwater Management, Sustainability, 7, 3721-3733.
 - Haselbach, L., Borden, R., and Gueneron, M. (2014), A Method to Estimate Carbon Dioxide Sequestration in Concrete Pavement Interiors, ASTM ACEM 3(1).
 - Haselbach, L., Poor, C., and Tilson, J. (2014), Dissolved Zinc and Copper Retention from Stormwater Runoff in Ordinary Portland Cement Pervious Concrete, Construction and Building Materials 53C, 652-657.
 - Shen, S., Burton, M., Jobson, B. and Haselbach, L. (2012), Pervious Concrete with Titanium Dioxide as a Photocatalyst Compound for a Greener Urban Road Environment , Construction & Building Materials, 35.
 - Kevern, J., Haselbach, L. and Schaefer, V., (2012) Hot Weather Comparative Heat Balances in Pervious Concrete and Impervious Concrete Pavement Systems, J Heat Island Institute Intl 7(2), 231-237.
 - Alam, M. A., Haselbach, L., and Cofer, W. (2012), Validation of the Performance of Pervious Concrete in a Field Application with Finite Element Analysis, J. of ASTM International 9(4), DOI: 10.1520/JAI104553.
 - Thomle, J. and Haselbach, L. (2011), The Declining pH of Waters Exfiltrated through Pervious Concrete, ACI SP-282, The Leading Edge of Pervious Concrete, American Concrete Institute.
 - Haselbach, L., Boyer, M., Kevern, J., and Schaefer, V. (2011), Cyclic Heat Island Impacts in Traditional versus Pervious Concrete Pavement Systems, Transportation Research Record Journal of the Transportation Research Board, No.2240, 107-115.
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- Goede, W. and Haselbach, L. (2011), Investigation into the Structural Performance of Pervious Concrete, ASCE J. of Transportation Engineering, Journal of Transportation Engineering doi:10.1061/(ASCE)TE.1943-5436.0000305.
 - Haselbach, L. and Liu, L. (2010), Calcium Hydroxide Formation in Thin Cement Paste Exposed to Air, ACI Materials, 107(4), 365-371.
 - Haselbach, L. (2010), The Potential for Clay Clogging of Pervious Concrete under Extreme Conditions, Journal of Hydrologic Engineering, 15(1), 67-69.
 - Templeton, S., Sessions, W., Haselbach, L., Campbell, W., and Hayes, J. (2010), What Explains the Incidence of the Use of a Common Sediment Control on Lots with Houses under Construction? Journal of Agricultural and Applied Economics, 42(1), 57-68.
 - Haselbach, L., Hussey, J., Feigley, C.E., Hebert, J.R., White, D.W., and Lawson, A. (2009), Airborne Transmission via HVAC of Acute Respiratory Infections in Military Facilities? Review of a Basic Training Cohort Study, Journal of Green Building, 4(1), 114-120.
 - Haselbach, L. (2009), Potential for Carbon Absorption in Concrete, Journal of Environmental Engineering, 135(6), 465-472, 2009.
 - Haselbach, L. M. and Maher, M. (2008), Civil Engineering Education and Complex Systems, ASCE J of Professional Issues in Engr. Education and Practice, 134(2), 186-192, 2008.
 - Haselbach, L.M., and Ma, S. (2008), Potential for Carbon Adsorption on Concrete: Surface XPS Analyses, Environ. Sci. Technol., 42, 5329-5334.
 - Haselbach, L.M., and Freeman, R.M. (2007), Effectively Estimating In-situ Porosity of Pervious Concrete from Cores, Journal of ASTM International, 4(7).
 - Valavala, S., Montes, F., and Haselbach, L. (2006), Area Rated Rational Coefficient Values for Portland Cement Pervious Concrete Pavement, J. of Hydrologic Engr., 11(3), 257-260.
 - Haselbach, L., Valavala, S., and Montes*, F. (2006), Permeability Predictions for Sand Clogged Portland Cement Pervious Concrete Pavement Systems, J. of Envr. Mgmt, 81(1), 42-49.
 - Montes, F., and Haselbach, L. (2006), Measuring Hydraulic Conductivity in Pervious Concrete, Environmental Engineering Science, 23(6), 956-965.
 - Haselbach, L., and Freeman, R. (2006), Vertical Porosity Distributions in Pervious Concrete Pavement, ACI Materials Journal, 103(6), 452-458.
 - Haselbach, L., and Bruner, S. (2006), Determining Construction Debris Recycling Dumpster Densities, Journal of Green Building, 1(3), 139-147.
 - Montes, F., Valavala, S., and Haselbach, L. (2005), A New Test Method for Porosity Measurements of Portland Cement Pervious Concrete, Journal of ASTM International, 2(1).
 - Haselbach, L.M., Loew, S.R., and Meadows, M.E. (2005), Compliance Rates for Storm Water Detention Facility Installation, ASCE Journal of Infrastructure Systems, 11(1), 61-63.
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 - Book: Haselbach, L.: The Engineering Guide to LEED-New Construction: Sustainable Construction for Engineers, McGraw-Hill, NY, First Edition: 2008, Second Edition: 2010.
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