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EDUCATION

- Ph.D. Environmental Engineering, University of Iowa 1997
- M.S Environmental Engineering, University of Iowa 1992
- B.A. Biology, University of Iowa 1990

Dissertation: The Phytoremediation of Munitions (RDX, TNT) Waste at the Iowa Army Ammunition Plant with Hybrid Poplar Trees (Advisor: Jerald Schnoor)

PROFESSIONAL REGISTRATION

Registered Professional Engineer in the State of Washington, License #: 36577 U.S. Green Building Council LEED Accredited Professional

EXPERIENCE

Center for Environmental Justice and Sustainability, Seattle University Founding Director **January 2013 to Present**

Department of Civil and Environmental Engineering, Seattle University

Professor September 2012 to Present Department Chair September 2006 June 2013 Associate Professor September 2003 September 2012 Assistant Professor September 1997 September 2003 Courses: Engineering Economics, Principles of Environmental Engineering, Water and Wastewater Engineering, Hazardous Waste Management, Sustainable Engineering, Engineering Design, Biological Principles for Environmental Engineers, Introduction to Civil & Environmental Engineering, Fluid Mechanics Laboratory

Department of Civil and Environmental Engineering, University of Iowa Teaching Assistant August 1991 May 1995 Courses: Biological Treatment Processes, Engineering I, Hydrogeology and Groundwater Quality, Affiliate Faculty, University of Washington, September 1998 to Present Principal, Northwest Engineers, Seattle, Washington. January 2007 to Present Principal, KDD & Associates, Seattle, Washington. May 2001 December 2006 Consultant, Appia Engineering, Seattle, Washington. June 2000 December 2001 Consultant, CH2M Hill. Portland, Oregon. July 1998 June 2000. Consultant, USEnvironmental Protection Agency. Athens, GA October 1998 March 1999. Consultant, Howard R. Green & Associates, Des Moines, Iowa. January October 1992. Lab Technician, Iowa City Wastewater Treatment Plant, December 1990 December 1991. Technical Reviewer: Environmental Science and Technology; National Science Foundation; Environmental Toxicology and Chemistry: Journal of the American Water Works Association; International Journal of Phytoremediation; Water Environment Research; Journal of Environmental Engineering, Interdisciplinary Environmental Review

AWARDS & GRANTS Seattle University McGoldrick Fellow Seattle University Alumni Association, Distinguished Faculty Award, 2015

, 2011

Rotary District 5030 Grant, Thailand Water Pipeline Project, 2021 Rotary District 5030 Grant, Cité Soleil, Haiti Medical Clinic Drinking Water System, 2020 Rotary District 5030 Grant, Khun Jæ, Thailand Library Construction Project, 2019 Seattle University Summer Faculty Fellowship, 1998, 2001, 2004, 2020 Seattle University Endowed Mission Fund: 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2017, 2018, 2019, 2020 Seattle University College of Science and Engineering Summer Research Grant, 2019, 2023 Environmental Works Building Energy Study, 2015 Herrera Environmental Consultants Stormwater Media Study, 2014 Leona Helmsley Foundation, Reflection in Engineering Education, 2014 Bullitt Foundation, Evaluation of Gray Water Treatment System Performance, 2013 American Society of Engineering Education Design in Engineering Education, Best Paper, 2012. Seattle University Global Grants Fund: 2011, 2012, 2013 Seattle University Thomas J. Bannan Endowed Chair for Engineering, 2009 2011 National Science Foundation Course, Curriculum & Laboratory Improvement Phase I, 2009. National Science Foundation Course, Curriculum & Laboratory Improvement Phase II, 2007. National Science Foundation Course, Curriculum & Laboratory Improvement Phase I, 2004. National Science Foundation Research Experience for Undergraduates, 2003. National Science Foundation Major-7(MQq0I-4(rgro)4(ns)5(tr)-4(nmenta)-3(tion, JF)3(une 2)-3(012)]TJETQq0.0000

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McCormack, J., Beyerlein, S., Brackin, P. Davis, D., Trevisan, M., Davis, H., Gerlick, R., ssional Skill International Journal of Engineering Education. Vol.

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Engaging with Environmental Justice: Governance, Education and Citizenship, Cotton, M. and Motta, B. H. eds., Inter-Disciplinary Press, Oxford, UK. 163-173.

Davis, D., Trevisan, M., Davis, Beyerlein, S., Howe, S., Thompson, P., McCormack, J., Brackin,

Skills Assessment and Learning BC.

Thompson, P. and A.The Effect of Mycorrhizal Fungi on thePhytoremediation of RDX.Environmental Science and Technology. Vol. 44, No. 3, 1112-1115.

Economically Sustainable Safe Drinking Water Systems for the . Business and Society Review. Vol. 115, No. 4, 477-493.

Davis, D., Trevisan, M., Davis, H., Gerlick, R., McCormack, J., Beyerlein, S., Thompson, P., Assessing Team Member Citizenship in Capstone Engineering Design Courses International Journal of Engineering Education. Vol. 26, No. 4, 771-

- Davis, D., Beyerlein, S., Thompson, P., Harrison K., Trevisan, M., and B. Mount (2006). A Conceptual Model for Capstone Engineering Design Performance and Assessment, Proceedings of Annual Conference of the American Society for Engineering Education Chicago, IL.
- Beyerlein, S., Davis, D., Trevisan, M., Thompson, P., and K. Harrison (2006) Assessment Framework for Capstone Design Courses, Proceedings of Annual Conference of the American Society for Engineering Education, Chicago, IL.
- Trevisan, M., Davis, D., Beyerlein, S., Thompson, P., and K. Harrison (2006) A Review of Literature on Assessment Practices in Capstone Engineering Design Courses: Implications for Proceedings of Annual Conference of the American Society for Engineering Education, Chicago, IL.
- Davis, D., Beyerlein, S., Thompson, P., Gentili, K. and L. McKenzie (2003) How Universal are Capstone Design Course Outcomes? Proceedings of Annual Conference of the American Society for Engineering Education, Chicago, IL
- Thompson, P. L., D. Moses, K. M. Howe (2003). Phytorestoration at the Iowa Army Ammunition Plant in: <u>Phytoremediation: Transformation and Control of</u> <u>Contaminants</u> S. C. McCutcheon and J. L. Schnoor, eds. John Wiley and Sons, Inc., New York.
- Thompson, P. L. (2002). Designing a Discipline Specific Introductory Course for Freshmen . American Society of Engineering Education Annual Conference Proceedings, Montreal, Quebec.
- Davis, D., Trevisan, M., McKenzie, L., Beyerlein, S., Daniels, P., Rutar, T., Thompson, P., and Gentili, K. (2002). Practices for Quality Implementation of the TIDEE Design Team Readiness Assessment, American Society of Engineering Education Annual Conference Proceedings, Montreal, Quebec.

Thompson, P. L. (2001). Phytoremediation Laboratory

- Thompson, P. L., Ramer, L. A., Yong, P. and J. L. Schnoor (2000). Pilot scale Treatment of TNT spiked Groundwater by Hybrid Poplars in: <u>Emerging Technologies in Hazardous Waste Management VIII</u>, Tedder, D. W. and F. G. Pohland eds., Kluwer Academic/ Plenum, New York. 109 118.
- Thompson, P. L., Murphy, D. J., Harmsen, J. and P. Chang. (1999). Effect of Leachate on Native Grass Species of Eastern Washington,

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Aquaponics for Science and Technology Education Aquaponics Association Conference, Portland, OR, November 3.

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- Thompson, P. L. (1999). Phytoremediation of Munitions Waste, Invited Speaker, Department of Forestry. University of Washington, Seattle, Washington, February 27.
- Thompson, P. L. (1998). Phytoremediation of Hazardous Wastes, Chemical and Hazardous Materials Managers Association, Northwest Chapter, Invited Speaker. Seattle, Washington, December 1.
- Thompson, P. L. (1998). Using Plants to Clean up Hazardous Wastes, Special Presentation at Seattle University, Earth Day Celebration, April 22.
- Thompson, P. L. and J. L. Schnoor (1997). Phytoremediation of Munitions (RDX, TNT) Waste by a Hybrid Poplar, American Chemical Society National Meeting, Division of Environmental Chemistry, San Francisco, California, April 13 17.

AFFILIATIONS

Member: American Water Works Association, Water Environment Federation, American Chemical Society, American Society of Civil Engineers, American Society of Engineering Education, Association of Environmental Engineering and Science Professors, Emerald City Rotary Club, International Living Futures Institute

ACADEMIC SERVICE

College of Science & Engineering *ad hoc* Budget Review Committee, 2021 College of Science & Engineering *ad hoc* Personnel Committees, 2015, 2016, 2018, 2019 Engineers for a Sustainable World, Faculty Advisor, Fall 2005