

Scott A. Schulte
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I strive to revitalize the natural, social, economic, and built fabric of our communities. My focus is the interdependence of these systems and strengthening the connections to create more healthy, sustainable, resilient, and livable places. I seek to accomplish this goal through applied research and instruction of graduate and undergraduate students, and as a consultant, a leader and working board member of a not-for-profit conservation alliance, and an author and public speaker.

EDUCATION

Master of Urban Planning, Environmental and Land Use emphasis, University of Kansas – 2002

B.A., Political Science and French, University of Kansas – 1992

CERTIFICATIONS

Envision Sustainability Professional #9185 – Institute for Sustainable Infrastructure

EMPLOYMENT EXPERIENCE

University of Kansas Professional Science Master's in Environmental Assessment – 2015 to Present

As a Lecturer (2015 – 2022) and a full-time Associate Professor of Practice (2022 – present), provides students with the benefit of 30+ years of private, public, and not-for-profit experience and professional networks related to natural resources management and restoration, environmental impact assessment, environmental planning, implementation of nature-based solutions for water resources management, climate risk mitigation and adaptation, and community resilience. Instructs and mentors students through experiential and service learning, including analysis of actual professional work products, preparing realistic analyses and reports, and working with area communities and organizations to conduct applied research and planning. Courses include:

- Environmental Impact Assessment – 2015 to present
- Community Resilience – 2019 to present
- Environmental Policy Analysis – 2020 to present
- Fluvial Geomorphology – 2021 to present
- Environmental Conservation – 2023 to present

Undergraduate and Graduate Capstones: Helps students develop service-learning and applied research projects for regional organizations and agencies, provides management and technical guidance and evaluates final products. Provides professional practice and career mentorship for public, private, and not-for-profit sector careers.

University of Kansas Urban Planning Program – Lecturer, 2010 to 2015

- Environmental Planning Techniques – 2010 to 2015
- National Environmental Policy Act Environmental Assessments – 2015

Vireo (Formerly Patti Banks Associates) – 2005 to Present

Senior Environmental Planner: Client services include environmental planning and design, climate resilience planning, watershed and natural resource management plans, green infrastructure design

(including stormwater best management practices [BMP]), ecosystem restoration, public policy development, strategic planning, water quality monitoring and modeling, community engagement, and training exercises. Manages and executes projects at the site, municipal, and regional scales. Develops municipal codes and ordinances. Oversees natural resource deliverables and quality control review. Served on the Vireo management team and led natural resource business development (2006 – 2022).

Tetra Tech EM, Inc. – 1994 to 2005

Environmental Planner: Initiated and led Tetra Tech’s Kansas City watershed and natural resource management practice. Managed numerous projects and contracts and related business development. Developed regional BMP planning and design manuals and designed stormwater BMPs, natural treatment systems, and stream restorations. Led development of a comprehensive urban stream assessment protocol and conducted hundreds of assessments. Developed water quality monitoring plans and programs. Conducted community engagement and training. Secured \$250,000 in grant funds for clients.

Environmental Scientist: Conducted environmental site investigations, regulatory compliance oversight, field analysis and data quality control. Created a first-of-its-kind, area-wide Phase I Environmental Site Assessments (ESA) procedure for Brownfields redevelopment projects. Conducted Superfund Innovative Technology Evaluations of field analytical instruments and samplers, developed modules for an online field analytical encyclopedia, and co-led field analytical training courses across the U.S.

City of Lawrence, Kansas – 1992 to 1994

Operations Manager Lawrence/Douglas County Household Hazardous Waste (HHW) Facility: Developed and managed an 8,000-pounds-per-year HHW program with a \$30,000 annual disposal budget. Oversaw public waste collection events. Supervised seven City and county employees and more than 20 volunteer environmental professionals. Led the Lawrence/Douglas County HHW Task Force.

Waste Reduction Specialist: Designed and implemented municipal, institutional, and private recycling and waste management programs. Conducted community outreach and education.

United States Marine Corps Reserve – 1987 to 1993

Nuclear, Biological, and Chemical (NBC) Defense Specialist: Trained Marines nationwide in NBC defense. Mass spectrometer operator on an NBC reconnaissance vehicle during Operation Desert Storm. Conducted Command General NBC inspections. Honorably discharged with the rank of Sergeant (E-5).

NOT-FOR-PROFIT, PROFESSIONAL, AND ACADEMIC ORGANIZATIONS

Heartland Conservation Alliance – 2009 to Present

Co-founder (2009 – 2011), Board President (2012-2018), and Board Member (2019 to present) for a not-for-profit, regional land trust and alliance. As President led the development of its vision and mission, operational structure, bylaws and procedures, and programs. Oversaw creation and expansion of land conservation and restoration programs and led strategic conservation planning. Wrote, supported, reviewed, or approved applications for over \$6,000,000 in grant funding.

Chairs the Conservation and Policy Work Group and leads HCA’s participation in Climate Action KC, developing nature-based climate mitigation and adaptation strategies. Leading development of the Blue River Greenway Vision and Implementation program for a regional partnership of governmental agencies and not-for-profit conservation and community groups, to fully connect, protect, and restore a multi-benefit bi-state greenway as a catalyst for regional climate mitigation and adaptation. Helped secure a \$5 Million American Rescue Plan Act grant for reforestation of the greenway. Developing a regional riparian corridor restoration implementation program and partnership for large-scale carbon sequestration and

other ecosystem services. Collaborates on watershed management and ecosystem services research with the KU Edwards Campus, Kansas State University, The Nature Conservancy and The Conservation Fund.

Blue River Watershed Association Director - 2007 to 2009: Vice President (2008), Treasurer (2009)

American Planning Association, Kansas Chapter – 2002 to Present

Kansas Alliance for Wetlands and Streams – 2002 to 2004: Steering Committee Member

Heartland Chapter, Academy of Certified Hazardous Materials Managers – 1999: Director

Phi Kappa Phi and Phi Beta Kappa Honor Societies

CIVIC ADVISORY GROUPS (Selected)

Mid-America Regional Council (MARC) Conservation Finance Steering Committee – 2022 – present

Overland Park, Kansas Infrastructure Advisory Group: Academia representative – 2021-22

MARC Green Infrastructure Advisory Group – 2019 to Present

American Public Works Association Sustainable Stormwater Task Force: Academia representative – 2020

PUBLICATIONS AND PRESENTATIONS (Selected)

American Public Works Association (APWA) and Mid-America Regional Council (MARC). 2008. *Manual of Best Management Practices for Stormwater Quality (2ndst. Ed.)*. March.

APWA and MARC. 2003. *Manual of Best Management Practices for Stormwater Quality (1st. Ed.)*. September.

Byers, Heather M. and Schulte, Scott A. 2021. “Building Community Resilience – A *proactive, measurable, scalable, and comprehensive resilience planning and forecasting model*. Presentation to the A&WMA Climate Change 2021 Virtual Conference. December 2.

Heartland Conservation Alliance. 2023. *Vision and Implementation Plan for the Blue River Greenway*. May.

Haag, Dennis A., Mazzeo, Andrew F., and Schulte, Scott A. 2001. “Innovative Technologies for Treatment of Storm Water and Municipal Wastewater.” Paper presented at the University of Kansas Environmental Engineering Conference, Lawrence, Kansas.

Lawrence, B.T., Fromme, J. and Schulte, S.A. 2016. “Renewable Energy Independence in the USA: Towards a Sub-Regional Quantitative Evaluation Methodology.” In: Schmitt, H.C. et al. [Hrsg.]: Dortmund Beiträge zur Raumplanung (Blaue Reihe).

KC Water. 2022. *Green Stormwater Infrastructure Manual (2nd Ed.)*. Prepared for the Smart Sewer Program. October.

- Mammoliti, Chris S. and Schulte, Scott A. 2004. "Stream and Riparian Assessment System." Paper presented at the American Society of Agricultural and Biological Engineers/Canadian Society for Engineering in Agricultural, Biological, and Food Systems International Meeting. Ottawa, Ontario. August.
- Schlaman, James C., Lawrence, Bryce T., and Schulte, Scott A. 2008. "Incorporating Green Infrastructure and Future Land Use Demand in a CSO Long Term Control Plan." Paper Presented at the Water Environment Federation Sustainability 2008 Conference, National Harbor, Maryland. June.
- Schulte, Scott A., Fannin-Hughes, Ian J., and Byers, Heather M. 2021. "Building community resilience: A proactive, measurable, scalable, and comprehensive resilience planning and forecasting model." University of Kansas. November 30. <http://hdl.handle.net/1808/32223>
- Schulte, Scott A. and Mehl, Heidi. 2021. "Renew the Blue – A Partnership for 21st Century Watershed Revitalization." Presentation to the Governor's Conference on the Future of Water in Kansas. November 18.
- Schulte, Scott A. and Tokos, Regan. 2021. "Climate Mitigation Potential of Riparian Corridor Restoration in the Kansas City Region." White paper prepared for Heartland Conservation Alliance. November 11.
- Schulte, Scott A. 2021. "Building Community Resilience – Regional Lessons from Applied Research." Presentation to the KU Teaching Summit 2021. August 19.
- Schulte, Scott A., Elbert-Noll, Patricia A, and Henson, Jeffrey. 2008. "Riparian Buffer Benefits and Kansas City, Missouri's Stream Setback Ordinance." Paper presented at the StormCon 2008 conference, Orlando, Florida. August.
- Schulte, Scott A., Lawrence, Bryce T., and Schlaman, James C. 2007. "Integrating Green Infrastructure into a CSO Long Term Control Plan." Paper presented at the 51st Great Plains Waste Management Conference, Omaha, Nebraska. March.
- U.S. Environmental Protection Agency (U.S. EPA). 2003. *Field Analytical Technologies Encyclopedia*. Prepared for the Technology Innovation Office. January.
- U.S. EPA. 2001. *Brownfields Technology Primer: Selecting and Using Phytoremediation for Site Cleanup*. Prepared for the Technology Innovation Office. July.
- U.S. EPA. 1999. *Road Map to Understanding Innovative Technology Options for Brownfields Investigation and Cleanup, Second Edition*. Prepared for the Technology Innovation Office.