

Charles J. Werth
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Chair, Environmental Engineering and Science Program
Arthur and Virginia Nauman Faculty Scholar
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Education

B.S., Mechanical Engineering, Texas A&M University, 1988
M.S., Civil/Environmental Engineering, Stanford University, 1992
Ph.D. minor, Chemistry, Stanford University, 1997
Ph.D., Civil/Environmental Engineering, Stanford University, 1997

Professional Experience

Chair, Environmental Engineering and Science Program, UIUC, June 2008-Present
Professor, UIUC, starting August 2008
Associate Professor, UIUC, August of 2003-August 2008
Visiting Professor, Tuebingen University, Tuebingen, Germany, 2004-2005
Assistant Professor, UIUC, January of 1997-August of 2003
Post Doctoral Researcher, Stanford University, 1996
Research Assistant, Stanford University, 1992-1996
Systems Analyst, Anderson Consulting (now Accenture), Houston, TX, 1989-1991

Professional Affiliations

American Chemical Society, member since 1994.
American Society of Civil Engineers, member since 2007.
American Geophysical Union, member since 1997.
Association of Environmental Engineering and Science Professors, member since 1999

Honors, Recognition, and Service

Nauman Faculty Scholar, 2006-Present.
Associate Editor, Journal of Contaminant Hydrology, 2004-Present
Associate Editor, ASCE, Journal of Environmental Engineering, 2004-2008
Distinguished Service Award, Association of Environmental Engineering and Science Professors, 2005
Board of Directors, Association of Environmental Engineering and Science Professors, 2005-2008
Board of Directors, AEESP Foundation, 2006-2009
Secretary, Association of Environmental Engineering and Science Professors, 2006-2008
Environmental Engineering and Science Faculty Scholar, 2001-2006
Humboldt Research Fellowship Award, 2004-2005
ASCE Journal of Environmental Engineer's Editor Award for Service, 2004
National Science Foundation CAREER Award, 1998-2002
List of teachers ranked as excellent by their students for CEE540, Fall 2001, 2003, 2008
List of teachers ranked as excellent by their students for CEE440, Spring 1997, 2000, 2001, 2002, 2004, 2006, 2007, 2009

Current Research Funding

Werth (PI), ESPR / DOE, \$920k, Influence of Wetting and Mass Transfer Properties of Organic Chemicals in the Vadose Zone on Groundwater Contamination, 3/06-3/10.
Werth (PI), NSF Project within Science and Technology Center, \$500k, Nitrate Reduction Using Bimetallic Catalysts, 7/02-7/12.

Werth (PI), GAANN / US Dept. Educ., \$540k, Enhancing Quality and Diversity of Environmental Engineering at UIUC. 5/06-5/10.

Werth (PI), NRI / USDA, \$460k, Evolution of Gene Expression and Herbicide Degradation in a Model Dynamic Soil System, 1/07-1/10.

Werth (co-PI), NSF, \$350k, Development of a Sustainable Catalytic Treatment Process for Perchlorate, 5/7-5/10.

Werth (co-PI), DOE ERSP, \$488k, Characterizing the combined roles of iron and transverse mixing on uranium bioremediation in groundwater using micromodels, 8/09-8/12.

Werth (co-PI), DOE, \$1,183k, Reuse of produced water from CO2 enhanced oil recovery, coal-bed methane, and mine pool water by coal-based power plants, 6/09-6/12.

Recent Peer-Reviewed Journal Publications

Yoon, H., C. Zhang, C.J. Werth, A.J. Valocchi, A.G. Webb, Three Dimensional Characterization of Water Flow in Heterogeneous Porous Media Using Magnetic Resonance Imaging, *Water Resources Research*, 44, W06405, doi:10.1029/2007WR006213, 2008.

Jeong, S., M.M. Wander, S. Klein (i) -11 (i) -11 (e) -23 (m,) -17P () 5 (S) -22r WaCw C(K) 10 (() 5 (,) -17B) -17(S.) -1