

# Garey A. Fox, Ph.D., P.E.

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Bachelor of Science, Agricultural Engineering, 1998, Texas A&M University, College Station, TX

Master of Science, Agricultural Engineering, 2000, Texas A&M University, College Station, TX

Doctor of Philosophy, Civil Engineering, 2003, Colorado State University, Fort Collins, CO

Assistant Professor, Department of Civil Engineering, 2003-2006  
University of Mississippi, Oxford, MS

Assistant Professor, Department of Biosystems and Agricultural Engineering, 2006-Present  
Oklahoma State University, Stillwater, OK

Growing up in a small, farming town in Godley, Texas, the opportunity to pursue higher education was not sought by many high school graduates. Garey Fox knew that he was interested in mathematics and science and had long dreamed of attending college and being the first in his immediate family to obtain a degree. As a scholarship recipient through the Houston Livestock Show and Rodeo, Garey was required to major in an agricultural related discipline. The choice led directly to Agricultural Engineering at Texas A&M University, with a specialty in Environmental Engineering. Early in his undergraduate degree, he developed an interest in the movement of water and contaminants on and under the earth's surface. In addition, Garey began working on research projects related to hydrology and water quality. His undergraduate academic success (graduating Summa Cum Laude with a 4.0 grade point average) pushed him to further his academic pursuits, leading to a Master of Science degree at Texas A&M supported on both U.S. EPA STAR and University Regents' Fellowships.

His research on incorporating remotely sensed information into hydrologic and water quality simulation models went so well that he decided to pursue a Ph.D. at Colorado State University on a **USDA National Needs Graduate Fellowship**. This USDA fellowship allowed Garey to pursue his hydrology and water quality interests further, especially in regard to a new research interest area on surface water and ground water interaction. This USDA fellowship allowed Garey to have flexibility in developing his own research hypotheses and conducting independent research. His research in Colorado dealt with estimation of stream depletion by alluvial ground water pumping and included both analytical and numerical modeling along with field investigations along the South Platte River in eastern Colorado. As a result of this flexibility, the USDA fellowship provided exceptional training for a future career as a faculty member.

As a faculty member at both the University of Mississippi and Oklahoma State University, Garey's research program in surface water and ground water interaction has received state, national, and international recognition. His research program encompasses laboratory and field experimentation and numerical modeling to investigate cutting edge, innovative, theoretical research with direct application to the protection of water resources throughout the United States and abroad. Several metrics speak to his early career success. Multidisciplinary research, with investigators both internal and external to Oklahoma State University, has been a trademark of his research program and his early career success, as evidenced by publications in journals that span multiple disciplines (i.e., biological and agricultural engineering, soil science, geomorphology, civil engineering, and hydrology). Working with outstanding

collaborators and graduate students, his research team has published 32 refereed journal articles in 16 different journals, 25 published conference proceedings papers, and 28 additional conference contributions (oral presentations, poster presentations, abstracts, etc.) as of September 2008. Such multidisciplinary collaboration has directly led to invited presentations at conferences hosted by professional societies outside of his primary professional society, the American Society of Agricultural and Biological Engineers (ASABE), including the American Society of Agronomy and Soil Science Society meetings, American Society of Civil Engineers, and US EPA/European Union panels/workgroups. Garey has given 18 invited lectures/presentations. One of his biggest honors was being one of only four invited speakers at the 2008 ASABE Special Session on Centennial Advances in Soil and Water Engineering to highlight biological and agricultural engineering advancements of the past 100 years. Garey has also been invited to speak at a 2008 European Crop Protection Agency workshop on pesticide fate and transport in Brussels, Belgium.

In only five years as a professor, Garey has secured 14 grants totaling over \$1.2 million from federal, state, and university sources. He is lead investigator on 3 USDA National Research Initiative (NRI) grants totaling over \$850,000. He is mentor to 2 Ph.D. and 7 M.S. graduate advisees who have completed their degrees and to 5 Ph.D. students currently pursuing their degrees. His students have won state and national contests for their research, including the 2007 Ph.D. division and 2008 M.S. division of the National ASABE Graduate Student Research competitions.

Garey is also a highly regarded instructor for 12 different undergraduate/graduate courses taught at three different universities. He has received recognition from students for his service to undergraduate instruction both inside and outside the classroom. He was recently awarded the 2008 Alpha Epsilon Distinguished Service Award voted on by Biosystems and Agricultural Engineering undergraduate students at Oklahoma State University. He recently achieved licensure as a Professional Engineer (PE) in the state of Oklahoma. Garey also provides outstanding service to his current department, including serving as coordinator of Future Farmers of America (FFA) soil and water conservation Career Development Event for Oklahoma (2007, 2008), advisor for the past two years to the ASABE student branch at Oklahoma State University, and ABET accreditation coordinator for the department.