



**Patricia K. Smith**, professor and associate department head for academic programs, Texas A&M University, College Station, is being recognized for excellence in engineering instruction and the development of techniques for evaluating uncertainty in hydrologic modeling.

Smith's career has been devoted to the education of young engineers and the development of a comprehensive water quality research program. She has taught a number of undergraduate and graduate classes and has consistently been rated very highly in student evaluations. Smith employs a flipped classroom model, which structures her classes in a way that provides students with tools to actively engage in their own current and lifelong learning. Throughout her career as an educator, Smith has made significant efforts to reduce the hurdles that discourage students and faculty from non-traditional backgrounds to pursue STEM careers. In addition to her work teaching, Smith has made significant impacts on hydrologic and water quality research. Her research programs have used stochastic techniques in conjunction with simulation models to address a variety of hydrological and water quality problems in Texas. Smith and her colleagues have also used stochastic techniques to quantify the uncertainty in both measured and predicted hydrologic and water quality variabilities.

A 23-year member of ASABE, Smith has been very active within the Natural Resources and Environmental Systems Technical Communities in both member and leadership roles. She also served as the volunteer coordinator for the 2012 ASABE Annual International Meeting in Dallas, Texas and was an associate editor for *Transactions of the ASABE*. Smith also serves on the Texas A&M University Faculty Senate for the College of Agriculture & Life Sciences and on the Academic Affairs committee. Smith is a former executive and admissions committee member in the Water Management and Hydrologic Sciences interdisciplinary program and has served on a variety of university committees including the promotion and tenure departmental and college committees, department head search committee and as a departmental representative for the undergraduate program committee and scholarship committee.

Smith is author or coauthor of many peer-reviewed articles. Throughout her career, Smith has received a number of awards for her teaching and research. Most recently, she received the University Advisors and Counselors Margaret Annette Peters Advising award, the USDA Excellence in College and University Teaching in the Food and Agricultural Sciences and the Texas A&M University ASABE Professor of the Year award. She has also received several ASABE superior paper awards.