

## SERVICE AND MEMBERSHIPS

### Service to the Scientific and Engineering Community

- Air and Waste Management Association: Faculty advisor to the UTA Student Chapter (2005-present); National Scholarship Committee Chair (2006-2008), Vice Chair (2004-2005); Student Chapter Competition Award Judge, 2007, 2008; Fort Worth Branch Treasurer (2004-2006), Secretary (2003) and Scholarship Chair (2001-2002); Student Poster Contest judge at 2004 and 2005 National Annual Conferences
- Texas Environmental Research Consortium Scientific Advisory Committee (03-08) – Chair (06-08)
- Luminant (formerly Texas Utilities) Environmental Research Program Research Steering Committee (2005-present)
- Expanding Your Horizons in Science & Engineering Workshop Presenter: Presented hands-on air quality workshops to junior high girls at Expanding Your Horizons in Science and Mathematics conference, 1999-2005, 2007, 2008.
- Peer reviewer for the following journals:
  - American Society of Agricultural and Biological Engineers*
  - American Society of Civil Engineers' (ASCE) Practice Periodical of Hazardous, Toxic, and Radioactive Waste Management*
  - American Society of Civil Engineers' (ASCE) Transportation Engineering Journal*
  - Atmospheric Environment*
  - Canadian Journal of Chemical Engineering*
  - Chemometrics and Intelligent Laboratory Systems*
  - Chemosphere*
  - Environmental Engineering Science*
  - Environmental Modelling & Software*
  - Environmental Science & Technology*
  - Fuel*
  - IIE Transactions*
  - International Journal of Sustainable Transportation*
  - Journal of Environmental Management*
  - Journal of Physical Chemistry*
  - Transportmetrica*
  - Water Practice*
- Grant proposal reviewer for the following entities:
  - California Energy Commission
  - Canada Foundation for Innovation
  - Environmental Protection Agency Small Business Innovative Research (SBIR) - Non-Road Diesel Engines
  - Maryland Industrial Partnerships Program
  - National Science Foundation
  - US Civilian Research and Development Foundation

- Have introduced over 500 junior high students to civil engineering through summer camp activities

#### **Departmental and University Committee Memberships/Service**

2008- Engineering Freshman Interest Group (FIG) faculty advisor  
2008-09 Environmental Search Committee Chair, Staff Search Committee Member  
2007- Civil Engineering Graduate Steering Committee  
2007- UTA President's Committee on Sustainability  
2007- Civil Engineering State Employee Charitable Campaign chair  
2005- Civil Engineering Department Scholarships, Awards, and Research Committee  
2004- UTA Status of Women and Minorities Committee  
2004-07 Civil Engineering ABET Assessment Committee  
2003- Civil Engineering Graduate Studies Committee  
2003- Environmental and Earth Sciences Graduate Studies Committee

#### **Professional Memberships**

Air and Waste Management Association  
American Chemical Society  
American Society for Engineering Education  
American Society of Civil Engineers  
Association of Environmental Engineering and Science Professors  
Society of Women Engineers

#### **Awards**

UTA Research Excellence Award – 2006-09  
Outstanding Young Faculty Award – UTA College of Engineering - 2006