

SPONSORED PROJECTS

1. "Engineering Sustainable Engineers" funded by National Science Foundation (\$150,000), 2009-2011, Role: PI.
2. "Photocatalytic Oxidation Testing of Tile," funded by Tile Council of North America (\$8013), 2009, Role: PI.
3. "A Carbon Extraction Process for Converting Southwestern Lignite to JP-8," funded by Defense Advanced Research Projects Agency (DARPA) (\$550,000), 2009-2010, Role: Co-PI.
4. "Dispersion Modeling of Organic Air Pollutants from a Natural Gas Compressor Station," funded by Wolf Eagle Environmental Engineers and Consultants (\$1500), 2009, Role: PI.
5. "Transferring SCR Management Software to Luminant," funded by Luminant (\$100,000), 2009-2010, Role: Co-PI.
6. "Go Green Emission Testing Program," funded by Go Green Fuel Systems (\$15,627), 2008-2009, Role: PI.
7. "Surface Coating Permit by Rule Protectiveness and Streamlining Review," funded by Texas Commission on Environmental Quality (\$69,951), 2008-2009, Role: PI.
8. "Scientist Services Detailed in the Holcim Settlement Agreement," funded by Downwinders at Risk Education Fund (\$20,000), 2008-2010, Role: PI.
9. "City of Duncanville Emission Testing Program," funded by Integrated Resource Group (\$1128), 2008, Role: PI.
10. "UT Arlington RET Site on Hazard Mitigation," funded by National Science Foundation Research Experience for Teachers program (\$520,456), 2008-2011, Role: Co-PI.
11. "Optimizing Coal Plant NO_x Emissions at Luminant," funded by Luminant (\$100,000), 2008-2009, Role: Co-PI.
12. "Assessing Control Strategies for Ground Level Ozone," funded by Luminant (previously Texas Utilities) Environmental Research Program (\$74,782), 2006-2009, Role: PI.
13. "Aftermarket Technology and Fuel Additive Research Program," funded by the North Central Texas Council of Governments, 2005-2007 (\$146,086), Role: PI one year, Co-PI one year.
14. "Using Operations-Oriented Performance Measures to Support Freeway Management Systems" funded by Texas Department of Transportation (\$74,230), 2005-2007. Role: Co-PI.
15. "Comparison of Adsorption Capacities of Nano-adsorbents with Conventional Activated Carbon for Volatile Organic Compounds," funded by Louis Stokes Alliance for Minority Participation (LSAMP) (\$3500), 2006, Funding for undergraduate student research.

16. "DFW Construction Emissions Inventory," funded by Eastern Research Group (\$18,954), 2004-2005. Role: PI.
17. "On-Road Measurement of Air Quality Benefits: Traffic Signal Improvements," funded by Texas Air Research Center, 2004-2005 (\$31,315). Role: PI.
18. "Control of Reduced Sulfide Compounds in Air using Adsorption and Biofiltration," funded by UTA Research Enhancement Program, 2003-2004 (\$9860). Role: PI.