



**Dr. Joshua S. Fu** is an associate professor of Civil and Environmental Engineering at the University of Tennessee. The focus of Dr. Fu's research work includes climatic changes, environmental impact assessments, air pollution modeling, the impacts of extreme events on health, the impacts of transportation planning and energy usages on air quality, land use (satellite applications) and emissions, diesel track emission effects, and energy optimization planning.

Dr. Fu has served as a co-author of the Final Report of the Hemispheric Transport of Air Pollution for the United Nations Economic Commission for Europe. He served as an international adviser/expert on East Asia/China air quality modeling assessment such as Beijing and Shanghai air quality modeling assessment for the 2008 Olympic Games and 2010 Shanghai World Expo. He develops and provides scientifically sound, cost-effective analysis tools to design and develop complex climate and environmental model applications.

Dr. Fu continuously develops and maintains externally funded research programs from USEPA, DOT, NASA, NIH and DOE. Dr. Fu has obtained state/national/international grants (as PI and co-PI). His recent work includes coupling global climate and chemistry models with regional climate and chemistry model to assess climate impacts at regional/local scales simulated in peta-scale supercomputers including Jaguar and Kraken, the two TOP TEN supercomputers in the world. Dr. Fu has published more than 40 referred articles on top tiered journals such as Atmospheric Chemistry and Physics, Journal of Geophysical Research, Atmospheric Environment, and Environmental Health Perspectives. Dr. Fu's research work has been featured in Science and also has included a TOP TEN CITED paper in the Atmospheric Environment. Dr. Fu has published over 70 peer-reviewed conference proceedings and served as a keynote and main speaker at numerous international/national organizations. Dr. Fu has been awarded an honorary professorship, Who's Who in America, Research Fellow in the College of Engineering, Scholar Recognition in the Department of Civil and Environmental Engineering and others. Dr Fu teaches several graduate courses: Air Pollution Climatology, Climate Effects and Energy in the Environment, Advanced Air Quality Modeling Assessment, Air Quality Engineering and Control, and Air pollution Dispersion Modeling and one undergraduate course: Civil Engineering System Design and Management.

For more information about Dr. Fu and his work, please visit:  
<http://www.engr.utk.edu/civil/people/people.php?id=jsfu>