

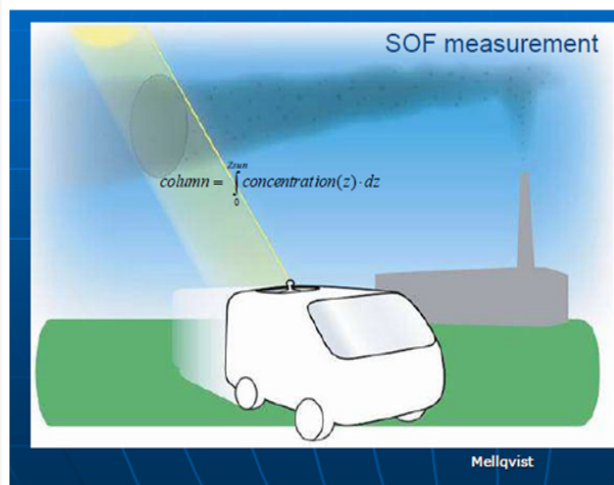
# The Houston Advanced Research Center Air Quality Research Program presents:

## The Director of Air Quality Research:

Dr. Eduardo Olaguer  
&

Birnur Buzcu Guven

Jay Olaguer holds a Ph.D. in Meteorology from MIT, and is a Senior Research Scientist and the Director of Air Quality Research at HARC. Dr. Olaguer has designed and built complex 3-D models of the global atmosphere and urban air quality, including a global multi-media, radiative-dynamical-chemical model of the lower and middle atmospheres, and the HARC neighborhood air quality model. He also contributed to the development of EPA's HAPEM and pNEM models of human exposure. While at HARC, Dr. Olaguer oversaw the development of the Air Research Information Infrastructure, a Web portal for Houston air quality data based on Google Maps/Earth visual interfaces, secured a preliminary patent for a real-time Emissions Monitoring and Attribution System (EMAS), and invented a new technique for performing air quality Computer Aided Tomography, or CAT scans. He also helped to plan and implement two major air quality field studies in Texas (TexAQS II and SHARP) while serving as a program manager for the Texas Environmental Research Consortium (TERC). Dr. Olaguer has been a major contributor to various industry, state, federal, and international panels evaluating, planning, funding, or overseeing research on atmospheric pollution. This includes the Intergovernmental Panel on Climate Change, the California Air Resources Board's Reactivity Research Advisory Committee, and the NARSTO Reactivity Research Work Group. Dr. Olaguer also served on the editorial board of the peer-reviewed science journal, Environmental Science and Pollution Research- International. He has broad experience working with various stakeholders, including the research and consulting communities, the petrochemical industry, regulatory agencies, local government, and environmental organizations.



**Date:**  
Friday, February 24th

**Time:**  
2:00-3:00pm

**Location:**  
Baylor Science Building  
Room A207

Refreshments will be  
served after the seminar.



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The Department of Environmental Science