Will Vizuete, Ph.D.

Associate Professor, Environmental Sciences & Engineering, Gillings School of Global Public Health at UNC-Chapel Hill

Chapel Hill, NC, US

Will Vizuete works to improve understanding of the formation of atmospheric air pollution.

Using high performance computers and three dimensional models to simulate the atmosphere, Dr. Vizuete works to improve understanding of the formation of atmospheric air pollution. His computer models improve comprehension of the extremely complex chemical and physical processes that occur in the atmosphere. A better understanding of the atmosphere, in turn, gives researchers the knowledge to improve the tools and methods that policy-makers use to make effective control strategies to clean the air above the dirtiest cities. What excites Dr. Vizuete most about his research is that it makes a real impact on society. Millions of people in the world breathe dangerously polluted air. Through his work, he is able to provide scientific advice to those who make the decisions that can improve quality of life on an international scale.

Environmental Services, Research, Education/Learning

Environmental Science, Air Pollution, Mechanical Engineering, Public Health, Air Quality, Atmospheric Research, Meteorology, Geophysics, Environmental Engineering, University Teaching, Student Mentoring

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American Meteorological Society, American Meteorological Society, Association of Environmental Engineering and Science Professors, Air & Waste Management Association

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Evaluation of aromatic chemical mechanisms
International Aerosol Modeling Algorithms Conference

Insights into Atmospheric Chemistry
National GEM Consortiums 2015 Annual Meeting

Heterogeneous HONO sources and ozone chemistry in Houston, Texas
Annual Community Modeling and Analysis System (CMAS) Conference

Effects of anthropogenic air pollution on health in the U.A.E.
Qatar University Life Science Symposium

Assessment of a regulatory model performance relative to large spatial inhomogeneity in observed ozone in Houston, TX
American Geophysical Union Fall Meeting

University of Texas-Austin
Ph.D. Chemical Engineering

University of Texas-Austin
M.S. Chemical Engineering

University of Missouri-Rolla
B.S. Chemical Engineering

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