The College of Arts & Sciences

with the

Department of Geosciences

Presents Dr. Eliot Atekwana

2009 Geosciences Alumni Award Recipient

Please join us for a presentation by Dr. Atekwana

Effects of Acidification on Dissolved Inorganic Carbon and Stable Carbon Isotopes in Receiving Streams

Friday, October 23, 2009

3:00 pm

1118 Rood Hall

Dr. Atekwana earned a BS (1984) in Geology from the University of Maryland, an MS (1987) from Howard University, and a PhD (1996) from Western Michigan University. He has been teaching and conducting research at the university level since graduating with his PhD.

As a result of his PhD research, he was able to develop an alternative gas evolution technique for measuring dissolved carbon in natural waters. This technique is widely used to study groundwater and surface water chemical evolution and contamination.

In 2006, Dr. Atekwana accepted a position as an Associated Professor with tenure at the Boone Pickens School of Geology, Oklahoma State University (OSU).

His research interests are in Hydrogeology, Stable Isotope Geochemistry, Hydrogeochemistry, and Wetlands. Dr. Atekwana currently conducts research in carbon cycling in acid mine drainage (AMD) contaminated streams. The results thus far suggest that acid mine drainage impacted hydrologic systems act as a "chemical pump" converting and transferring carbon from the terrestrial reservoirs to the atmospheric reservoir.

Dr. Atekwana is a member of the American Geophysical Union, Geological Society of America, and the National Association of Black Geologists and Geophysicists.