Speaker of Rutgers Session:

POROUS MATERIALS AND STRUCTURES FOR ENERGY APPLICATIONS

Dr. Abidoye Luqman Kolawole is a professional Chemical Engineer with keen research interests in multiphase flow system in porous media. Currently, he works as a lecturer in the Department of Civil Engineering, Osun State University. He has conducted researches in diverse fields of science and engineering. But his main research focus is in the area of multiphase flow in porous media. This area covers activities of economic and environmental interests in every nation of the world. He has successfully investigated dynamic characteristics of multiphase systems in porous media under various conditions and also at above-ordinary temperature and pressure, using state-of-the-art experiments and numerical modelling. Results from these investigations find applications in secondary oil recovery, CO2 geological sequestration, monitoring migration of CO2 in storage media, etc. Recently, he developed simplified techniques for use in the dielectric monitoring of subsurface gas movement. Many publications have been made from his works in reputable journals.

In 2011, he won scholarship for overseas PhD from Petroleum Technology Development Fund, PTDF, in Nigeria. This led to his advanced research experience at Loughborough University, United Kingdom, where he bagged the PhD within a record time, with many publications to his credits in reputable journals. He has also received many research awards, locally and internationally. These awards were from bodies like: UK Government (for collaboration with Curtin University, Australia); Computational Methods in Water Resources (CMWR), University of Stuttgart, Germany (for Conference attendance and presentation); University of Loughborough; Nigeria's Tertiary Education Trust Fund (TETFUND) research grant, etc.

He is a professional member of national and international bodies like: Council for the Regulation of Engineering in Nigeria (COREN); United Kingdom Carbon Capture and Storage Research Centre (UKCCSRC); CO2Chem, UK. His current research focus is in the application of multiphase techniques to water purification and contaminant remediation.