



2011 Darcy Lecture

Tuesday 16th August 2011, 6 to 8 pm

UTS Aerial Function Centre

Level 7, 235 Jones Street (Building 10)
Broadway, Sydney

*IAH NSW and the Engineers Australia Sydney Division Water Engineering Panel proudly present the **2011 Darcy Lecture**, with a presentation by **Dr Stephen E. Silliman**, Professor of Civil Engineering and Geological Sciences at University of Notre Dame.*

Characterisation of a complex sole source aquifer system in Benin, West Africa

The Godomey wellfield is the only source of fresh water for Cotonou, Benin which has between 1.5 to 2 million population. This West African centre is located directly on the Atlantic coast and bordered to the south and west by the large shallow lake.

Most production wells are pumping from the partially confined portion of the complex aquifer system and due to the proximity to the lake and coast this water source is under the threat from anthropogenic contamination and seawater intrusion.

Collaboration between scientists and students from the United States and Benin has enabled the development of insight into this complex coastal aquifer system by using several different techniques such as numerical modelling, hydraulic testing, water quality characterisation and geophysical surveys.

A series of discussions on scientific and social issues undertaken during this research shows the value of close cooperation between the scientists and in-country collaborators both from technical and social background.

Please RSVP to:

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