

Heriot-Watt University Dubai Campus

Staff profile

DETAILS	TO BE FILLED IN BY STAFF MEMBER
Name	Dr Olisanwendu Ogwuda
Designation	Senior Teaching Fellow in Civil Engineering
Role (including modules taught)	Course Coordinator for BEng/MEng in Civil Engineering D27CC – Civil Engineering Applications 1 D27Cd – Civil Engineering Applications 2 D27CS – Construction Technology and Processes
Telephone number	+971-4-4332730
Email address	o.i.ogwuda@hw.ac.uk
School Duties	Course Coordinator for BEng/MEng in Civil Engineering
Research Interests	<ol style="list-style-type: none"> 1. Powder technology for construction applications 2. Re-engineering arisings (recycled and secondary materials) for roadway and footway applications 3. Low energy and sustainable materials technologies
Academic Biography	<p>Dr Olisanwendu Ogwuda has over 10 years experience in research in low energy construction, with close collaboration within the UK highway industry leading to technology and product enhancement and/or development. More recently, the private-public partnership promoted Dr Ogwuda secured a £0.5M DTi (UK government-funded) award to develop more cost effective technologies using roadway and footway arisings to both reduce the cost of roadway and footway maintenance, and, more importantly, reduce the congestion with and carbon footprint of infrastructure construction and maintenance operations.</p> <p>Dr Ogwuda has over 15 years learning and teaching experience in the built and natural environment, covering undergraduate programmes in civil engineering, building surveying, construction management, quantity surveying, environmental management, science and technology, natural resources management and forensic sciences and postgraduate programmes in environmental management. Subjects include highway engineering, research methods and information management, computer aided road alignment design, land surveying, construction materials, environmental impact, construction management applications, construction skills, and geographic information systems (GIS).</p>
Key publications	<p>Risk Assessment on the use of Dundee Energy Recycling Ltd (DERL) Cyclone Ash in Highway Materials by David Blackwood, Daniel Gilmour, Olisanwendu Ogwuda, Robert Crow, Thomas Kurka, Graham Wightman (2008).</p> <p>Baldovie Ash First Stage Laboratory Trials – application as a replacement filler with asphalt mixtures by O Ogwuda and D Fordyce (2008)</p> <p>Materials science appraisal of recycled construction materials for roadways, PhD thesis (2007).</p> <p>Pedagogic integration of computer technologies in Geography and Environmental Education. Oduyemi K & Ogwuda O (2006) In "Aspects of Geography in European Higher Education (Chapter 15): Geographical Information Systems, Using computers in learning and teaching", HERODOT Publication (Editor: Donert, K.), 145-153</p> <p>Risk Assessment on the use of Dundee Energy Recycling Ltd (DERL) Bottom Ash in Construction Materials by David Blackwood, Daniel Gilmour and 'Nwendu Ogwuda (December 2005)</p> <p>The use of GIS at the University of Abertay, Dundee by Kehinde Oduyemi and Olisanwendu Ogwuda (2005). In: Aspects of Geography in European higher education: Geographical Information Systems, Chapter 16, pages 106-109, edited by Karl Donert</p>

(April 2005).

Industrial Products in Highway Engineering. Invited guest speaker to present paper at meeting of SCI (Society of Chemical Industries), Construction Materials Group, on 1 April 2004 in London

A Materials Technology-Management (MT-M) Framework for Sustainable Road Construction by O Ogwuda, D Fordyce, and D Fraser (2003). In: Recycling And Reuse of Waste Materials (edited by R. K. Dhir, M. D. Newlands, and J. E. Halliday). London: Thomas Telford, pp. 427-436.

Other Interests

* If required, please attach photo as a separate image file.