

London South Bank University, UK

Technical Presentation (5 September 2011)

by

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SUSTAINABLE DEVELOPMENT OF THE BUILT ENVIRONMENT IN HONG KONG

Abstract

Depletion of the planet's limited resources at an increasing rate is a reality facing all. One of the largest consumers of such resources is the built environment and as a result more and more attention is being devoted to its sustainable development and management both in the developing and the developed world

This presentation is divided into two parts and both parts address the key related components of infrastructure, environment and energy. Part 1 is an overview of selected Hong Kong Government initiatives for promoting sustainability in the built environment and helps to set the scene for the second part. Part 2 is a summary of an entry level undergraduate engineering course developed at The University of Hong Kong (HKU) entitled *Engineering for Sustainable Development*. The education of future generations of engineers in sustainability is most topical and such teaching and learning activities are being implemented around the world and indeed in Hong Kong. An overview of selected teaching activities of relevance around the world will also be presented.

About the Speaker

Scott Smith is an Associate Professor in the Department of Civil Engineering at The University of Hong Kong, China. He graduated BE (Civil Engineering) (1994) and PhD in Structural Engineering (1999) from The University of New South Wales, Sydney, Australia, and he is a Fellow of the Australian Institution of Engineers. His research interests include the behaviour of reinforced concrete, metallic and timber structures strengthened with FRP composites; ductility and serviceability of RC structures; and sustainable development of the built environment. He has published widely in the FRP composites in civil engineering field, co-authored Australia's first design guideline on strengthening RC members with FRP, and received the Distinguished Young Researcher Award from the International Institute for FRP in Construction (IIFC) in 2010. Additional details about the speaker can be found at <http://web.hku.hk/~stsmith/>.