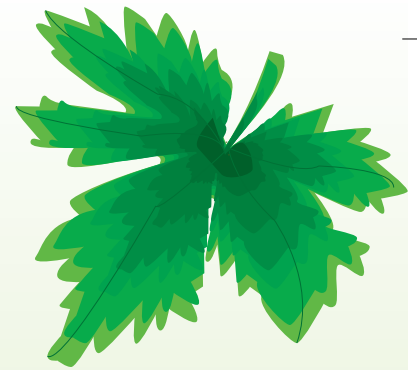


Use of Green Materials in Maintenance and Construction



Albert T. Yeung

BSc(Eng) MS PhD HKIE FICE FASCE RPE(CVL, ENV, GEL) CEng PE
Department of Civil Engineering
University of Hong Kong
Pokfulam Road, Hong Kong
E-mail: yeungat@hku.hk

Abstract

The useful lives of the three strategic landfills in Hong Kong are coming to an end. We have to solve this serious waste management problem to cope with the rapid economic development of Hong Kong. New initiatives are being implemented by the Government to minimize the generation of construction waste, and to re-generate useful materials from demolition waste. New green materials have been developed in maintenance and construction of buildings so as to promote sustainability of our society, to prolong the useful life of infrastructure constructed, to reduce the maintenance and construction costs, to reduce maintenance frequency, to reduce maintenance and construction time, and to reduce construction hazards and nuisance to construction workers and the public. Some of these innovative green materials will be presented in this presentation to facilitate further discussion of the use and improvement of these products.

Speaker

Ir Dr. Albert T. Yeung received his BSc(Eng) from HKU with first class honors, and his MS and PhD from UC-Berkeley. He taught at Northeastern University in Boston and Texas A&M University in College Station for more than 7 years. After his return to Hong Kong, he was Chief Engineer of Binnie Black & Veatch Hong Kong Limited and Assistant Secretary for Financial Services and the Treasury of the HKSAR Government before his return to academia in 2003.

His notable awards include IPA Research Grant Award of the International Press-in Association 2008; 1st Prize of Civil Engineering Papers of the Year Award 2008, Peter H.K. Chan Award 2001, and Kumagai Prize 1994 of HKIE; Samuel Arnold Greeley Award 1999 and Arthur Casagrande Professional Development Award 1996 of ASCE; Dow Outstanding New Faculty Award 1994 of the American Society for Engineering Education, Texas Engineering Experiment Station Select Young Faculty Award 1993.

He is now the Vice Chair of the Region 10 Board of Governors of ASCE (International Region). He is serving on Civil Discipline Advisory Panel, Professional Assessment Committee, and Education and Examinations Committee of HKIE; membership subcommittee of the Asian Civil Engineering Coordinating Council; Board of Governors of the English Schools Foundation; and Review Panel under Land (Miscellaneous Provisions) Ordinance of Highways Department and Geotechnical Engineers Registration Committee Panel of Buildings Department, both of HKSAR Government. He is also the External Examiner of The Open University of Hong Kong, Chu Hai College of Higher Education, and the Hong Kong Institute of Vocational Education, Tsing Yi.

