NETWORKING and TALKS for ABC WATER PROFESSIONALS

Date: 12 September 2014
Time: 7:00 pm- 9:30 pm
Venue: Waterhub, Level 2 auditorium (80 Toh Guan Road East, Singapore 608575)

Cost:
$30- ABC Water Professionals/ QECP Registry Members/ IES Members
$60- Non- Members

Topics:

1) Pervious Concrete – Specification, application and field experience by Dr Arvind Suryavanshi

2) Porous Paver Systems by Prof. Dr.-Ing. Carsten Dierkes

*2 PDU aproved by PEB/ QECP Registry/ ABC Waters Professional

To register, please go to:
http://www.ies.org.sg/admin/event_view.php?event_id=1328

For enquiries, please email Angie at angie@iesnet.org.sg

Pervious Concrete – Specification, application and field experience

SYNOPSIS

Previous concrete elements are meant to control storm water, re-charge ground water, flood control at down-stream and optimize sustainable land management. Pervious concrete is a “no-fines” concrete which allows rain water to flow through its voided structure with minimum absorption.

The presentation covers the background of the previous concrete including the associated technical specifications, applications and its benefits. The presentation also briefly encompasses the design methodology, mix design concepts and the method of placement at site. The issues and problems encountered at site by Holcim Singapore Ltd are also outlined.

SPEAKER PROFILE

DR ARVIND SURYAVANSHI,
DIRECTOR
CENTRE OF EXCELLENCE (CoE)
HOLCIM SINGAPORE LTD

Dr Arvind after completing his Bachelor's Degree and Master's Degree (IIT, Mumbai) did his Doctorate Degree from The University of Manchester, England, as a Fellow of the Commonwealth Commission.

Dr Arvind’s career in Singapore began from the Civil Engineering Department, National University of Singapore (NUS) where he worked on a project related to High Performance Concrete (HPC). He then moved to Poh Cheong Concrete Pte Ltd overseeing dry-mix product formulation, QA / QC of structural grade concrete before moving to Nanyang Technological University (NTU) to teach Civil Engineering & Common Engineering courses for undergraduates. Prior to joining Holcim Singapore Ltd as Director of Centre of Excellence he was with SETSCO Services Pte Ltd, the largest accredited testing laboratory in the private sector in Singapore, where he was actively involved in consultancy and professional developmental activities for nine years.

Dr Arvind has published 19 technical papers in peer reviewed international journals and he has authored a book. He is the member of American Concrete Institute (ACI), USA, and also Corporate Member of the Institute of Concrete Technology (MICT), UK. Currently, Dr Arvind sits on the Board of ACI - Singapore Chapter (ACI-SC), as a Director, and heads the ACI-SC's Education Committee.

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Porous Paver Systems

SYNOPSIS

Porous paver systems can be an effective solution for stormwater treatment, detention, and infiltration. They are well-suited in our tight urban spaces because porous pavers are worked into existing paved surfaces and do not take up additional areas. In this session, Prof Dierkes will introduce various technical aspects of porous pavers and control standards in Germany. He will discuss the maintenance requirements of porous pavers, some implemented projects, and the lifecycle costs of porous pavers in comparison to other infiltration devices. He will also share the European experience in managing pollution in runoff using strategies such as regulatory control and stormwater tax.

SPEAKER PROFILE

PROF. DR.-ING. CARSTEN DIERKES

Prof. Dr.-Ing. Carsten Dierkes has studied Geology with the focus on groundwater at the University of Muenster. He finished his PhD thesis at the University of Essen about the transport behaviour of heavy metals in road runoff during stormwater infiltration in 1999. From 1999 to 2001 he leaded the stormwater infiltration research group at the University of Essen, working on projects in European Countries and in China. After his work at the University he was Managing Director of two consulting companies developing and investigating innovative systems for stormwater treatment in Germany. He was Secretary of the Working Group on Source Control for Stormwater Management (SOCOMA) of the International Water Association (IWA) and International Association of Hydraulic Engineering and Research (IAHR), Joint Committee on Urban Drainage. He is member of the committee for certification of treatment facilities of road runoff at the German Institut für Bautechnik in Berlin that develops the standards for German and European General Technical Approvals and he is member of the DIN comittee NA 119-05-08 AA "Re-use of water - Standards for use of rainwater and greywater". Since 2011 he works as Professor for the Frankfurt University of Applied Sciences.

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