

CPD

PROGRAMME



A seminar organised by
Singapore Institute of
Architects

Parks and Building Control Seminar 2012

Date : 03 August 2012, Friday
Venue : SIA Theatre Level 1
79 Neil Road Singapore 088904
Time : 2.30PM – 5.30PM

PROGRAMME

2.00 – 2.30pm	Registration
2.30 – 3.15pm	Presentation by Dr. Genevieve Ow , Researcher, NParks' Centre for Urban Greenery and Ecology (CUGE)
3.15 – 4.00pm	Presentation by Mr Jim Tan , Principal BIM Consultant / Managing Director, Xcube Solutions Pte Ltd
4.00 – 4.20pm	Tea Break
4.20 – 5.05pm	Presentation by Ms Goh Siam Imm , Director, Building Plan & Universal Design Department (BPUD), BCA
5.05 – 5.30pm	Q & A

SIA Member S\$ 76.00
Non SIA Member S\$ 126.00

Registration on First-Come-First-Serve Basis
BOA-SIA CPD Accreditation **5 points**

SYNOPSIS & SPEAKERS

CPD PROGRAMME



Dr. Genevieve Ow, Researcher, NParks' Centre for Urban Greenery and Ecology (CUGE)

SYNOPSIS

Implementation of structural soils in the tropics

Urban trees experience a litany of environmental insults ranging from soil and air pollution, heat, impacts from utilities, vehicles, and buildings. The most significant problem that urban trees face is the lack of useable soil for root growth, since trees are often an afterthought in city planning and streetscape design.

Ongoing construction (that happens frequently) in an urban environment disturbs and compact soil, crushing the macropores that exist within the soil structure. The loss of macropores has three negative consequences, restricted aeration, reduced drainage, and creating a dense soil that is difficult for roots to penetrate – affecting the growth of the tree.

When roots encounter dense soil, they change direction, stop growing, or adapt by staying on the surface - surface rooting makes urban trees more susceptible to drought and can cause damage to infrastructure.

Structural soil is a solution to these problems - healthy trees need a large volume of non-compacted soil with adequate drainage and aeration. *Structural Soil* meets these needs while also fulfilling the load-bearing requirements necessary for base courses beneath pavement.

PROFILE

Dr. Genevieve Ow is a Researcher with NParks' Centre for Urban Greenery and Ecology (CUGE) working on a range of arboriculture-related research projects.

Genevieve holds a Bachelor of Science with Honours in Plant Biology/ Physiology from Massey University and a PhD from the University of Canterbury.

Genevieve's research interest is in the areas of environmental plant physiology, ecophysiology of resource acquisition in natural and managed ecosystems, responses of plants to extremes of environment, tree physiology and the physiology of plant responses to global climate change.

Genevieve also has experience with developmental plant physiology with particular focus on the roles of plant hormones in growth and development. Some of her research includes projects on fruit development and senescence.

Her other interests involve the use of equipment and technology to assist in her research work. For example, she has extensive experience with the use of LiCor environmental systems and has recently fine-tuned the ground penetrating radar (GPR) for the purpose of tree root mapping.

Her research interests have led to collaborative projects between researchers across various disciplines, in different institutions.

SINGAPORE INSTITUTE OF ARCHITECTS

2012/066/MS/JT



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Mr Jim Tan, Principal BIM Consultant / Managing Director, Xcube Solutions Pte Ltd

SYNOPSIS

BCA BIM e-Submission - The Architect's Perspective

BIM is here to stay and we need to embrace this new technology and practice; the sooner the better. The BCA BIM e-submission is the new skillset for practicing architects in the imminent future. Hence, the sooner we try it, the sooner we become competent to this process.

BCA BIM e-submission is not difficult. You just need to know the concepts and the basic behind the entire process to apply it appropriately and effectively.

This seminar will share with you how to apply BIM for BCA e-submission from an BIM expert and the user's perspective.

PROFILE

With over 15 years of experience in the Building industry and is the founder of Xcube Architects and Xcube Solutions Pte Ltd. Jim is a registered Architect and shareholder of XCS who has managed and been practicing BIM for a diverse of major projects.

He has conducted numerous training in BIM and has helped many companies to adopt BIM successfully. Jim also teaches part-time at Building and Construction Authority (BCA) Academy and is also actively involved with several associations in the Building industry on BIM. He has set up XCS to extend his knowledge in BIM to the industry and aiming to provide BIM consultancy for the better of the building industry



Ms Goh Siam Imm, Director, Building Plan & Universal Design Department (BPUD), BCA

SYNOPSIS

Pushing the UD Envelop through Accessibility Code Review

The Code on Accessibility in the Built Environment provides the minimum standard for compliance with the Building Control Regulations on the provision of accessibility in buildings. With a fast ageing population, the question asked is whether the current provision adequate to support "ageing-in-place and the national agenda to build an inclusive society. The presentation will give you a sneak preview of the proposed changes to the current Accessibility Code.

PROFILE

Ms Goh Siam Imm is the Director of Building Plan & Universal Design Department (BPUD) of the Building and Construction Authority (BCA) which administers the Building Control Act and its regulations. In addition to her regulatory role, she also promotes Universal Design in the Built Environment.

Prior to her BCA stint, she practised as an architect for more than 10 years and is highly passionate about Universal Design. She is currently chairing the multi-agency Committee to review the current *Code on Accessibility in the Built Environment 2007*.

She is also the current Chairperson of the Technical Committee for Liveability within Homes and Community under the Silver Industry Standards Committee.

Ms Goh has a BA in Architecture, MSc in Fire Safety Engineering and a Diploma in Community Services Disability Work.

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- SIA Theatrette Level 1
79 Neil Road, S(088904)

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Closing Date for Registration	01 Aug 2012
BOA-SIA CPD Accreditation	5 points

SAP Code: 2RCS-4201060-005

Local Cheque (must be drawn in Singapore) should be crossed and made payable to "Singapore Institute of Architects".

Please indicate your name, company/institution and seminar date/title on the back of the cheque.

You can drop by the SIA office to make cash payment between 9.30am – 5.30pm on weekdays.

Receipt ID #: - - -

Email: cpd@sia.org.sg

•All registration will be on a **First-Come-First-Served** basis and will be accepted **upon receipt of both registration form and payment to SIA. Registration by fax will only be confirmed upon receipt of payment.**

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