



# Lecture Series on Buildsmart Strategies Creating Buildable Architecture

This lecture series, jointly organised by the BCA Academy and Singapore Institute of Architects (SIA), aims to address the challenges of achieving creative architectural designs which remain buildable. Architects and building system specialists will exchange ideas and share their best practices, as well as practical design considerations, in creating a buildable architecture. It presents an excellent opportunity for the building industry to gain insights on the application of discerning design strategies, the adoption of modular design, the use of prefabricated components and systems; and the use of precast in buildings.

## Architect's Experience & Perspectives in Pre-cast Construction

*A presentation by Mr Goh Peng Thong of AWP Pte Ltd*

Peng Thong will share his experience on the design issues in relation to the precast components of NUS Graduate Residences, which is a highly precast/prefabricated building project. This project consists of two 25-storey towers connected at the base through a 3-storey podium. It won a Design Award/an Honourable Mention under Hostel & Dormitories Category in the "12th SIA Architectural Design Awards 2012." Peng Thong will also discuss whether precast and prefabrication will limit the innovative design of the architects; as well as what approach should an architect take to enable a successful precast/prefabricated building.

## Building Possibilities With Precast Technology

*A presentation by Er. Lim Chong Sit of Robin Village Development Pte Ltd*

Conventional method of construction is slow and does not provide good quality finishes. In addition, architects and builders face many challenges in constructing complicated building forms. Precast technology is one of the solutions in enabling such complicated or "unbuildable" structure to be made buildable. In his lecture, Chong Sit will demonstrate how precast technology can be used to resolve some of these building challenges and highlight some of the key pre-requisites to achieve efficient precast design.

## SPEAKERS

**GOH PENG THONG** - Director, AWP Pte Ltd

AWP's philosophy in design and delivery is through innovation, experience, appropriate methodology and technology. Peng Thong was the QP for the NUS Graduate Residence. Since he graduated from the National University of Singapore (NUS), he has completed numerous projects which involved in precast/prefabrication. He was the Chairman of Precast Concrete Committee appointed by Singapore Institute of Architects, a member of the BCA's Best Buildable Design Awards Assessment Committee, and an advisor to BCA on a BCA-SIA Publication, "Prefab Architecture" His published papers include "CIDB - SIA Project on Architectural Prefabricated Components" and A Guide book "Architectural Precast - The Designer's Choice."

**LIM CHONG SIT** - Head Building Technology, Robin Village Development Pte Ltd, a subsidiary of Tiong Seng Contractors (Pte) Ltd

Robin Village Development, specialises in pre-casting services, delivering quality projects at an improved speed and a reduced reliance on labour. Their pre-casting capabilities have won several accolades. Chong Sit graduated from University of Sheffield, UK and is a Professional Engineer, Accredited Checker, Fellow, Institution of Engineers, S'pore, CPEng, Australia and ASEAN CPEng. He is a specialist in the design and manufacturing of precast concrete components and served in committees including ITE's Engineering Services Academic Advisory Committee, BCA's Precast Advisory Committee and in the Technical Committees initiated by Spring Singapore. He also co-authored the book "Structural Precast Concrete Handbook" published by the BCA.



Featured projects  
include NUS Kent Vale  
& Graduate Residences;  
The Rochester;  
Garden by the Bay  
and many more

Featuring projects/case studies by

## AWP+ Robin Village

1 November 2013

3.30pm to 5.30pm

(Registration starts at 3.00pm)

BCA Academy

Fee (incl of GST) : S\$90.95/S\$80.25\*

Refreshment will be provided.

\* Discounted fee S\$80.25 is applicable for  
SIA members & BCA Young Leaders.

## CPD Points

BOA-SIA: 3 CPD Points

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## REGISTRATION FORM

Event Code: 78016

Lecture Series on Buildsmart Strategies

# Creating Buildable Architecture

**Date:** 1 November 2013

**Time:** 3.30pm to 5.30pm

**Venue:** BCA Academy

**Fee** (incl of GST): S\$90.95 / S\$80.25\*

\*Discounted fee S\$80.25 is applicable for SIA members & BCA Young Leaders.

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### PARTICIPANT PARTICULARS

Name: (Dr/Mr/Mrs/Ms):		Funding Application No.: (if applicable)	
NRIC/Passport/FIN No.:		Birth Date: (DD/MM/YYYY)	
Designation:		Hp No.:	
Company Name:		Email Address:	
		Company UEN No.:	
Mailing Address:			Postal Code:
(for individual applicant, please provide residential mailing address)			

### CONTACT PERSON PARTICULARS (if different from the above)

Name: (Dr/Mr/Mrs/Ms):		Tel No.:	
Designation:		Hp No.:	
Email Address:		Fax No.:	

### PAYMENT

Enclosed is a Cheque No.: \_\_\_\_\_ (Cheque should be crossed, marked "account payee only" and payable to **Building and Construction Authority** and mailed to **BCA Academy, 200 Braddell Road, Singapore 579700**) for S\$ \_\_\_\_\_ OR Deduct from GIRO Account No.: \_\_\_\_\_  
(should be the same bank account number as indicated in the Direct Debit Authorisation form submitted to BCA)

#### TERMS AND CONDITIONS

- By submitting and signing this application form, the company and individual applicant agree to the following:
- The company and individual applicant has read and understood the terms of the brochure (if available) and the application form.
  - The company and individual applicant warrant that the particulars given in the application form are accurate.
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  - Payment for the course must be made before the course commencement date.
  - Any Direct Debit and Direct Credit Authorisation for GIRO applications previously signed and passed to BCA will apply to payments made under this course.
  - BCA Academy reserves the right to accept or reject the application for whatever reason.
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  - BCA Academy reserves the right to amend any details relating to the course, revise the course fees without prior notice, cancel or postpone the course.
  - Request for withdrawal or replacement must be made in writing. Requests are subject to approval by BCA Academy:
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    - Written request for withdrawal that reaches BCA Academy
      - At least 2 weeks before the course commencement date: 10% administration fee is payable.
      - Less than 2 weeks but more than 3 working days before the course commencement date: 25% administration fee is payable.
      - 3 days or less before the course commencement date: there will be no refund of course fee.
  - The Continuing Professional Development (CPD) points indicated for any course offered by BCA Academy is subject to change and final approval by the relevant professional accreditation bodies.
  - Funding and subsidies offered by BCA / BCA Academy or third party organisations for the courses are subject to approval. The company must make the application for funding and subsidies. Neither BCA nor BCA Academy is to be held liable and the company agrees to pay BCA the applicable funding amount if funding and subsidies are either granted at a reduced amount, not granted at all or if funding is revoked, for whatever reason.
  - All information, materials, services, intellectual property and other property and rights provided by BCA and BCA Academy during the course are provided on an "as is" basis. BCA and BCA Academy makes no warranties of any kind, either express or implied, as to any matter, and all such warranties, including warranties of merchantability and fitness for a particular purpose, are expressly disclaimed.
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To be completed by Company and Individual Applicant

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Signature: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_  
Company Stamp (For company application)

#### INDIVIDUAL APPLICANT

Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

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#### GREEN PRACTICE

As part of BCA efforts to go green, with effect from 1st February 2013, the Statement of Attendance for seminar will only be issued to participant upon request. For such request, please provide full name and mailing address to our staff at the seminar. We will mail the statement 5 days after the completion of the seminar.

#### ENQUIRIES

Tel: 6248 9999 • Fax: 6258 0558 • Email: [bca\\_academy@bca.gov.sg](mailto:bca_academy@bca.gov.sg) • Website: [www.bcaa.edu.sg](http://www.bcaa.edu.sg)

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of the built environment