



Lecture Series on Build Smart Strategies Creating Buildable Architecture

31 July 2012 • 3.30–5.30pm (Registration starts at 3.00pm) • Singapore Institute of Architects, 79 Neil Road

This lecture series, jointly organised by the BCA Academy and Singapore Institute of Architects (SIA), aim 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.

From the perspectives of designers and through the expertise sharing of systems specialist, the lecture topics will bring insights into the planning and architectural design; and the construction & building systems. The use of prefabricated components, features, joints and details will be key-highlights.

Innovative use of prefabrication in design: Case study on Pinnacle @ Duxton

A joint presentation by Mr Khoo Peng Beng and Ms Belinda Huang of ARC Studio

The Pinnacle@Duxton is 90% prefabricated! Yet, the building facade does not look pre-fabricated. With its intricate vertical lines and facade “plug-ins”, the facade is a fluid composition of architectural elements comprising windows, balconies, planters and bay windows. Peng Beng and Belinda will reveal how they conceive the idea and how their intentions of creating a “highly differentiated facade from an undifferentiated construction process” lead them to this design. Their presentation will further discuss the construction and thought process behind certain key design decisions made to facilitate the construction of this complex building.

Innovative Facades: Concepts, Connectivity and Construct-ability - The Process

A presentation by Mr Kelvin Kan of AgFacadesign

Facade systems ranging from curtain walls to the unusual hybrids of structural glass and unique designs to monocoque skins are gaining popularity in the building industry. From modular to customized solutions, the outcomes and objectives however remain similar for most facades. The applications are usually in a series of repetitive elements; but need to be innovatively resolved and meet all the basic requirements for the chosen system(s). To ensure construct-ability and add value to the system, a rigorous process and interactions by different stake holders are essential. The presentation aims to cover the fundamental process and a range of innovative facade-solutions and built examples.

\$S\$90.95
\$S\$80.25*

(inclusive of GST):
Refreshments will be provided.

ACCREDITATION:
BOA-SIA: 5 CPD Points

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

SPEAKERS

KHOO PENG BENG, *ARC Studio*

Khoo Peng Beng graduated from the National University of Singapore with the Board of Architects Award for Best Final Year Thesis in 1993.

He founded his architectural practice ARC Studio with his wife Belinda in 1998. ARC studio's philosophy is propelled by a vision of dynamic and innovative designs through a process of active search, research and engagement of clients. ARC Studio won the Duxton Plain Public Housing International Architectural Design Competition in 2002. Their team beat over two hundred firms from all over the world to clinch the top prize, with a scheme that impressed the judges as it resolved the complex issues in a simple and elegant manner.

BELINDA HUANG, *ARC Studio*

Belinda studied architecture at the National University of Singapore and graduated with a Bachelor of Arts in Architectural Studies in 1989 and in 1992, she completed her Diploma in Architecture at Bartlett, UK. In her Board of Architect Professional Practice Examination in 1996, Belinda was awarded a merit award for being the top scorer. In

2004, Belinda was recognized by Singapore's Urban Redevelopment Authority (URA) as one of the most promising '20 under 45' architects in Singapore.

KELVIN KAN, *AgFacadesign*

Kelvin Kan graduated in Scotland and worked in a few leading architectural practices in London before obtaining his MSc in Construction in Management from Kingston University (UK).

Kelvin founded AgFacadesign (AgFd) in 2009 to provide an integrated design approach to facade design, in addition to general architectural services. He has a unique hybrid of specialist expertise in architecture, glass & green technologies and facade design. He believes design must add value and that efficient, functional and yet aesthetic solutions can be achieved, even with standard systems and components, when combined with creative ideas or innovative designs.

AgFd's very first completed project 158 Cecil Street won First Prize in the 2011 SIA/NParks Skyrise Greenery Awards with a uniquely integrated design which seamlessly merged the "boundaries" between architecture, glass-facades and interior "Hanging-garden" space.

REGISTRATION FORM

Event Code: 78016

Creating Buildable Architecture – Lecture Series on Build Smart Strategies

Date: 31 July 2012

Time: 3.30pm to 5.30pm (Registration starts at 3.00pm)

Venue: SIA Theatre, Level 1 (79 Neil Road)

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

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Refreshments will be provided.

Name of Participant	NRIC / FIN No:	Designation	HP no.	Email

SIA Membership No.: BOA No.:

☐ Yes, I would like to receive course - seminar updates via email ☐ BOA-SIA Please tick accordingly

Company Name: Company UEN No.:

Mailing Address:

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Name: (Dr/Mr/Mrs/Ms)		Email:	
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Registration may be made by fax, e-mail, post or by hand. To confirm registration, payment must be made before the seminar/course/workshop date via cheque, VISA or Nets/cash. No invoice will be issued. Walk-in applicants will only be admitted on the basis of seat availability and full payment. Please inform us in writing of any change in your registration, which is subject to administrative charges as shown below:

Request for Replacement and/or Withdrawal

- Request for replacement in writing, must reach BCA Academy before the commencement date of the seminar/course/workshop: No administrative charge.
- Request for withdrawal in writing, that reaches BCA Academy at least 2 weeks before the seminar/course/workshop date: 90% refund of seminar/course/workshop fee.
- Request for withdrawal in writing, that reaches BCA Academy less than 2 weeks but more than 3 working days before the seminar/course/workshop date: 75% refund of seminar/course/workshop fee.
- Request for withdrawal in writing, that reaches BCA Academy 3 working days or less before the seminar/course/workshop date: No refund of seminar/course/workshop fee.

BCA Academy reserves the right to amend the seminar/course/workshop details or cancel the seminar/course/workshop and fully refund the participants should unforeseen circumstances warrant it.

Enquiries

For enquiries, please call **6248-9999**
or email us at **bca_academy@bca.gov.sg**
or fax us at **6258-0558**

For details of other seminars/courses/workshops,
please visit our website @ **www.bcaa.edu.sg**

Registration

Seats are limited; registration is on a first-come, first served basis. Training places will be confirmed upon the payment of the fees before the commencement date. Cheques with original application and supporting documents should be mailed to **BCA Academy, 200 Braddell Road, Singapore 579700**

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