



SIA-SISV Joint Seminar on Code of Practice for Buildability – Constructability Assessment Scheme

**16 September 2011 (Friday)
2pm to 5.00pm
SIA Theatre Level 1**

79 Neil Road Singapore 088904

Category	CPD Credit
QS Division and AIQS	4 Units
IES and PEB	(In Process)
SIA and BoA	4 Points

Registration Fees

[Includes refreshments, course notes and GST]

S\$120	SIA and SISV Members & staff of SISV Member Firms
S\$150	Affiliates [members of ACES, IES, REDAS, SCAL, SIBL, SPM, AIQS, BoA, SCL and CCA students]
S\$180	Others

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Continuing **P**rofessional **D**evelopment Programme

Overview

With the introduction of the new Code of Practice for Buildability, there is an introduction of the Constructability Assessment Scheme (CAS) that promotes the use of productivity enhancing technologies, work practices and methodologies, including the adoption of the Building Information Modelling.

How does this impact Architectural Design? How does this impact cost and contracts? How does this impact the contractor's planning? How does a designer integrate his thinking on Greenmark, Buildability and Constructability, taking into account other Acts such as the Workplace Safety and Health Act?

This seminar, jointly organised by SIA and SISV and supported by BCA, seeks to give a brief insight to the new requirements and how will this impact work practices by the different disciplines. It promises a power packed seminar involving speakers of diverse backgrounds giving a lively and intellectual discussion.

Who should Attend

Architects, quantity surveyors, engineers, project managers, cost consultants, developers, contractors, subcontractors, lawyers and in-house counsel

Certificate of Attendance

Certificate of Attendance will be awarded upon successful completion of the program.

Programme

1330 Registration

1400 Session 1: **Code of Practice (COP)/Constructability Assessment Scheme (CAS)**

Mrs Foo-Leoh Chay Hong, Assistant Director, Buildability Development Department, Building & Construction Authority

1430 Session 2: **How is the change affecting the way we detail**

Mr Richard Lai, Senior Principal Architect, ADDP Architects LLP

1500 Tea Break

1520 Session 3: **Buildability Scores**

Mr Ben Thum, Director, SIACAD Pte Ltd

1550 Session 4: **Delivering "Constructability" – The Tiong Seng Model**

Mr Lim Tee Yoke, Senior Manager, Tiong Seng Contractors (Pte) Ltd

1640 Panel Discussion

Mr Eugene Seah, Joint Managing Director, Davis Langdon & Seah Singapore Pte Ltd

1700 End of Session

Speakers & Synopsis

Foo-Leoh Chay Hong, *Assistant Director, Buildability Development Department, Building & Construction Authority*



MRS FOO-LEOH CHAY HONG is an Assistant Director with the Construction Productivity Centre in Building and Construction Authority (BCA). She has been involved in the development and administration of the Buildability Framework through the years, advising the industry on the buildability requirements and conducting workshops on Code of Practice on Buildable Design at BCA Academy.

Synopsis

To steer the construction industry towards a higher level of productivity, one of the key initiatives is to encourage designers and contractors to improve their designs and adopt labour saving construction methods.

Since 2001, BCA's mandatory Buildability Framework has encouraged more labour efficient building designs and has contributed to improving site productivity. To give productivity a greater boost, BCA has enhanced the Buildability Framework to require more buildable designs upstream and the adoption of more advanced construction technologies downstream, measured using a new "constructability" component. These requirements have taken effect from 15 July 2011. The presentation will describe the areas where the existing Buildable Design Score has been tightened and the features of the new Constructability Score for builders.

Richard Lai, *Senior Principal Architect, ADDP Architects LLP*



MR RICHARD LAI, a Senior Principal Architect in ADDP Architects. He graduated from the School of Architecture at Newcastle University in Australia, with honors. He has got more than ten years working experience in the private sector, and was involved in the execution of a variety of high and mid-rise building projects.

He is an active member of the Architectural Fraternity and is involved in organizations like Singapore Polytechnic, School of Architecture and the Built Environment, SPRING Singapore, SIA, BCA Academy and BCA.

Synopsis

A change in mind set on the execution of detailing to satisfy the various stake holder of the building industry. It attempts to bring to light the possibilities available in achieving good buildable score and at the same time promote higher consistency in the delivery of quality product with new construction techniques, technology and material. In doing so, reduces wastages and improves productivity and thereby more green.



Ben Thum, *Director, SIACAD Pte Ltd*

MR BEN THUM is the self-titled Innovation Director of SIACAD Pte Ltd, a commercial arm of the Singapore Institute of Architects. He graduated as an architect but after practising for 5 years, decided to pursue his passion for software development. He then spent 15 years in software development and experimenting with various aspects of IT ranging from assembly code programming to non-linear digital video editing.

Ben started BIM with Revit in 2001 – before AutoDesk bought up the company. Since then he has been involved in VectorWorks, SketchUp and ArchiCAD. Last year, the company signed up for the AutoDesk Developer Network and is now developing industry-specific libraries and add-ons.

Besides hardcore programming, Ben is also actively involved in training which he believes is an excellent source for ideas and inspiration. An avid reader, Ben spends his free time reading everything from history, science and politics to management, fiction and spy thrillers.

Synopsis

Since January 2010, BCA started accepting Architectural BIM submissions for regulatory approval and more than 300 BIM Submissions from some 70 projects have been received. Besides e-Submission, the benefits of BIM range from 3D design, coordination in construction sequencing to environmental studies and “4D” project management.

However, a substantial number of firms have yet to get started with BIM. Or even if they have invested in BIM, they have yet to use it effectively. This paper focuses on how to get started with BIM. It starts with the basics, how to install and learn BIM at little or no cost. What computer hardware to use, the paradigm shifts and workflows involved. Testimonials and experiences from fellow members will be used to watch out for pitfalls and take advantage of shortcuts. One of such shortcuts is the use of effective workflows and localised libraries. SIACAD is already working in these 2 areas and this paper concludes with how you can participate in this process and benefit from it.



Lim Tee Yoke, *Senior Manager, Tiong Seng Contractors (Pte) Ltd*

MR LIM TEE YOKE graduated from the Nanyang Technological University, Singapore, with a Bachelor in Civil Engineering and a MSc in International Construction Management. He joined the public service upon his graduation and was holding a Deputy Director position in BCA before he joined the private sector in 2010. Currently he is a Senior Manager in Tiong Seng Contractors (Pte) Ltd handling corporate matters including productivity initiatives.

Synopsis

In resource-scarce Singapore, the call for higher productivity to replace laborious work processes has gained momentum. Other than a critical need to manage manpower, processes and construction costs efficiently, integrating different trades and disciplines through the adoption of advanced technology is equally vital in driving higher levels of productivity in the construction industry. As one of the leading builders in Singapore, this presentation will provide insights to Tiong Seng's model in delivering constructability in its projects.

SIA-SISV JOINT SEMINAR ON CODE OF PRACTICE FOR BUILDABILITY - CONSTRUCTABILITY ASSESSMENT SCHEME
 • 16 SEPTEMBER 2011 (FRIDAY) • 2.00PM TO 5.00PM • SIA THEATRETTE LEVEL 1 (79 NEIL ROAD)

Registration Fees

[teabreak, course notes and GST]

- S\$120 SIA and SISV Members & staff of SISV Member Firms
- S\$150 Affiliates [member of ACES, IES, REDAS, SCAL, SIBL, SPM, AIQS, BoA, SCL and CCA students]
- S\$180 Others

Limited Seats! Book now!!

Notes

Registration is on a first-come-first-served basis. Reservation by fax or email will only be accepted upon receipt of payment. Confirmation of registration will be via email. No cancellation is allowed once registration is confirmed.

Fees paid are not refundable under all circumstances. This will also apply to participants who are unable to attend on that day. However, replacement by another individual is allowed and notification must be made in writing at least 3 days before the event. In the case of a non-member replacing a member, the non-member will have to pay the fee difference.

The Organiser reserves the right to alter the programme or cancel the event as may be necessary. In the event of cancellation, full refund will be made to participants.

ENQUIRIES

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Website: www.sisv.org.sg

REGISTRATION FORM

Name of Participants

#	NAME / NRIC / MEMBERSHIP No (for Affiliate Members) / Mobile No. / Email	Mbrshp Category	Amt \$	
1	Name:			
	NRIC:			Membership No :
	☎ Mobile			Email :
2	Name:			
	NRIC:			Membership No :
	☎ Mobile:			Email :
3	Name:			
	NRIC:			Membership No :
	☎ Mobile			Email :
Total Amount Payable \$				

Company

Contact Person

Corresponding Address

..... S()

Tel/HP Fax.....

Email

PAYMENT MODE

Receipt No : _____ (for official use)

- Cheque** (Bank/Cheque No Amount \$.....)
Crossed cheque payable to "Singapore Institute of Surveyors and Valuers". Please indicate your name, company and date of event on the back of the cheque.
- Cash** (You can drop by at SISV between 9:00am and 5:00pm on weekdays)
Address: 110 Middle Road #09-00 Chiat Hong Building Singapore 188968