



A Seminar jointly organised by Singapore Institute of Architects and
3M Singapore Pte Ltd

3M Green Building Solutions

Date : 28 May 2009, Thursday
Venue : SIA THEATRETTE - LEVEL 1
Time : 7.00PM-9.00PM

6.30pm	Registration & Light Refreshment
7.00pm	Welcome Remarks by SIA
7.05pm	Introduction to 3M Green Technologies
7.15pm	Energy Conservation Solution
7.30pm	Recycle, Reuse, Reduce Solution
7.45pm	Environmental Friendly Solution
8.00pm	Case studies
8.30pm	Questions & Answers
9.00pm	End

SIA Member	Complimentary
BOA/CIJC Member	S\$ 35.00
Non-Member	S\$ 45.00

BOA-SIA CPD Accreditation: 2 points

SPEAKER PROFILE

Ms Sheng Thong Yin
Senior Laboratory Manager
Singapore Research & Development Centre
3M Asia Pacific Pte Ltd



Ms Sheng Thong Yin has responsibilities for the full-fledged research and development laboratory in Singapore, with key focus on consumer and industrial electronics, optics, drug delivery as well as activities in the RFID and fluid filtration application arena.

Thong Yin graduated from Nanyang Technology University with a Degree in Civil and Structural Engineering. She also holds a graduate diploma in Marketing from the Management Institute of Singapore, and a Master in Business Administration from Manchester Business School.

Learning Objectives:

Through this seminar, participants can learn more about common environmental challenges the construction and architectural industry is facing at the moment, and about alternative green solutions that can help to mitigate their harmful effects.

Environmental sustainability has surfaced as a critical issue in recent years and the same is happening in Singapore. As the Singapore government moves towards promoting green buildings, the construction and architectural industry needs to be aware of current environmental issues and how to overcome them. This seminar will help participants to increase their knowledge in this area.

ACCREDITATION

A Singapore Institute of Architects (SIA) registered activity. Participating in this activity will accrue 2 points towards the requirements of the SIA Continuing Professional Development Programme.

Registered as a CES Provider of American Institute of Architects (AIA). Participation in this activity will accrue Learning Unit Hours.

Supported by the Royal Institute of British Architects (RIBA) as valid CPD Hours for its members.

SYNOPSIS

Environmental sustainability is the responsibility of everyone, so as to allow us to preserve adequate resources to meet the needs of society today, while respecting the ability of future generations to meet their needs. The **3M Green Building Solutions** will focus on a selection of current environmental challenges the construction and architectural industry is facing and propose alternative green solutions.

- Commercial and institutional buildings account for 16% of Singapore's carbon dioxide (CO₂) emissions, largely due to their cooling and lighting functions. As CO₂ emissions contribute to worsening global warming, it is crucial to look for ways to improve energy efficiency. Current options include the use of double glazed glass, tinted glass and window films, each with their own pros and cons.

- Construction and demolition waste account for up to 30% of all solid waste, thus contributing to the worsening waste generation and disposal problem in land-scarce Singapore. Apart from tying up precious land resources, the incineration of waste results in the production of dioxin, a by-product that is a serious public health threat. It is thus important to find alternative solutions to fulfill building refurbishment needs. Instead of demolishing existing walls and furniture, self-adhesive and flexible laminate films may be used to enable recycling.

- The use of sealants in building structures can result in up to 40% material wastage, thus contributing to Singapore's waste generation and disposal problem. Furthermore, some sealants currently used in the market contain chemicals that may be harmful to public health due to the high level of volatile compounds being released into the indoor air environment. A green alternative to this problem is to use structural tapes, instead of sealants.

About 3M Environmental Sustainability

Long before the concept of environmental sustainability ever had a name, 3M served as a leader among its peers for reducing its impact on the environment while conserving resources. 3M's commitment to sustainability and environmental protection goes beyond minimizing our impacts to the environment from our operations. 3M also provides solutions that help our customers minimize their own environmental impacts.

REGISTRATION FORM

3M Green Building Solutions Seminar
- Thursday, 28 May 2009 - 7pm to 9pm
- SIA Theatre - Level 1



(All seminar fees are inclusive of GST)

*SIA Member	Complimentary
BOA/CIJC Member	S\$ 35.00
Non-Member	S\$ 45.00

•For SIA Members whose registrations have been confirmed, attendance is compulsory. Absentee/Cancellation after 21 May 2009 will be charged \$20.00. Verbal notification of cancellation is not acceptable.

Closing Date for Registration	21 May 2009
BOA-SIA CPD Accreditation	2 points

PARTICULARS

Name: _____
(please underline Surname)

NRIC No: _____

Membership No: [] SIA _____

[] CIJC (Pls specify Institution)

[] BOA Reg No _____ [] Non-Member

Organisation: _____

Address: _____

_____ S ()

Tel: _____ Fax: _____

Email: _____

Contact Person: _____

Bank/Chq No: _____ Amount S\$ _____

Fees paid are non-refundable under all circumstances. Replacement of participant will be allowed only if written notification is made at least 7 days before the event.

Where a Non-Member replaces a Member (must be from the same organisation) the fee difference will have to be made good to SIA prior to the event.

MULTIPLE REGISTRATION

NAME:

NRIC NO.

SIA/BOA NO.

ORG.

AMT:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

PAYMENT OPTIONS

Please tick your payment mode:

[] By Cheque

Bank/Chq # :

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

Please mail to:

Singapore Institute of Architects
79B Neil Road, Singapore 088904

Please indicate your name and company/institution (if any) and seminar title on the back of the cheque.

[] By Cash

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

Address:

Singapore Institute of Architects
79B Neil Road, Singapore 088904

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

Cheque payment for this activity should not be combined with payment for other SIA events/courses.

Registration Confirmation No.:-

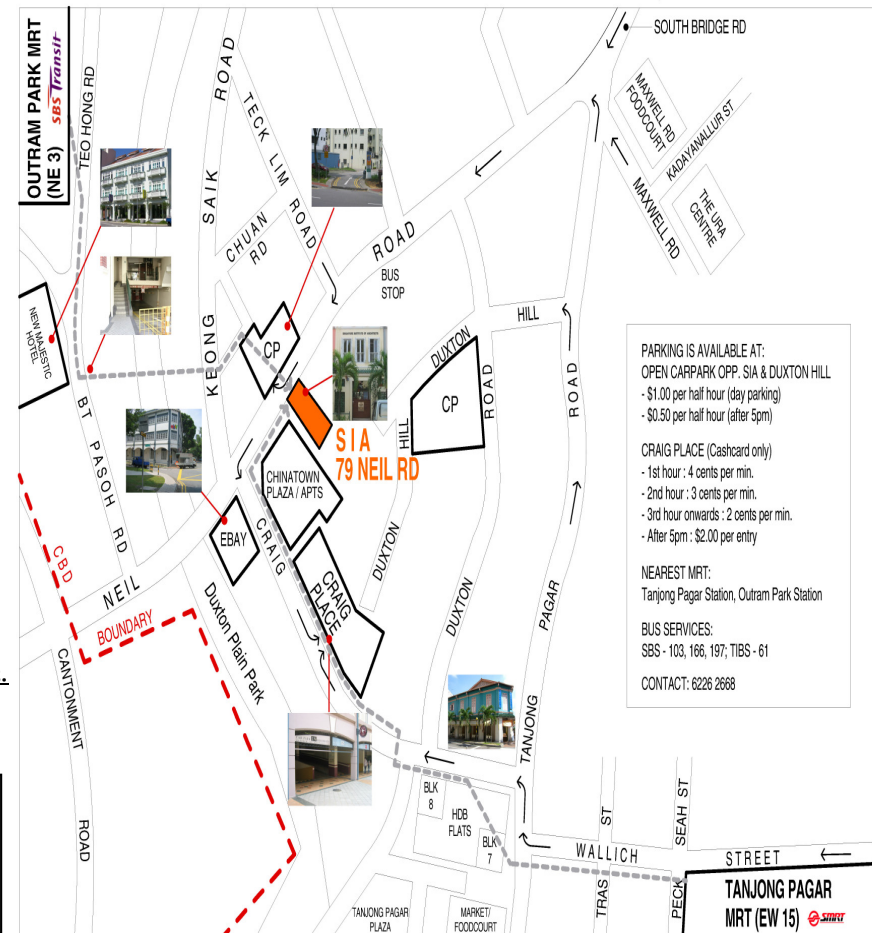
For Enquiry (Candy J. Tan):

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LOCATION MAP



CPD PROGRAMME

SINGAPORE INSTITUTE OF ARCHITECTS

2009/053/MS/CT