

CPD

PROGRAMME



A joint seminar
organised by
Terreal and
Singapore
Institute of
Architects



The use of terracotta sustainable material in modern architecture

Date : Friday, 14 October 2011
Venue : SINGAPORE INSTITUTE OF ARCHITECTS
 SIA Theatre - Level 1
 79 Neil Road S(088904)
Time : 2.00pm - 5.00pm

PROGRAMME

1.30pm	Registration with Light Refreshment
2.00pm	Welcome Address By SIA
2.05pm	Presentation By Mr Olivier Rober (Vice-President of Asia Pacific Middle-East of Terreal Company)
3.30pm	Presentation By Mr Gaetan Siew (Former President of UIA)
4.00pm	Q & A
4.30pm	End

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

Registration on First-Come-First-Serve Basis
 BOA-SIA CPD Accreditation **4 points**

SYNOPSIS

Seminar will present Terracotta products (both cladding and roofing) and their benefits when used in modern constructions, especially thanks to their green properties.

(1) How to build a total green roof

- Total Roofing system
- Properties of a roof
- What should be the improvements considering the existing building materials used
- How to reduce the energy consumption
- Insulation of the roof (R-value and U-value indicators)
- Terracotta Materials (natural, recyclable, using recyclable energy for being produced)
- Solar system

(3) Mr Gaetan Siew, former president of the UIA will be presenting his project using terracotta

- Park Alarobia – Antananarivo – Madagascar
- Project presentation
- Explanation on the choice of Terracotta as cladding material

(2) Advantage of using terracotta in the modern architecture

- The use of terracotta in modern architecture
- Analyze of building facades properties
- Ventilated façade overview
- How to reduce the energy consumption
- Insulation of the facade
- Terracotta Materials (natural, recyclable, using recyclable energy for being produced...)
- Shade provider



Objectives:

- (1) How a terracotta manufacturing plant is working and organized.
 - Explanation of the different processes from the clay collection till the tiles delivery
 - Selection of the raw materials
 - Manufacturing process including needed energy
 - Quality control
- (2) How to reduce the energy consumption through the installation of a green roof
- (3) What are the properties (especially the green ones) of Terracotta products
- (4) What is a ventilated façade system and its advantages regarding the green impact

The benefit of attendance for the architects is to be informed of the properties and advantages of using terracotta products in their architectural project, in order to decrease the impact of their construction on the environment, thanks to the sustainability of the material and the reduction of energy consumption.

This will be explained through the application on the roof and on the façade parts of the building which constitute the thermal envelop of this one.

Finally they will be completely aware of the existing possibility to use natural and recyclable products for the construction of modern architectural buildings, reinforced by the presentation of a specific project and explanation of the designing architect.

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SINGAPORE INSTITUTE OF ARCHITECTS

2011/091/MS/JT

Mr OLIVIER ROBER**(Vice-President of Asia Pacific Middle-East of Terreal Company presenting Total Green Roof and using terracotta in Modern Architecture)**

Mr Rober is graduated as an engineer from the Arts and Manufacture, Engineering and Management in the “Ecole Centrale” of Paris. From the University of California (Berkeley) in Civil and Geotechnical Engineering.

Mr Rober worked for 3 years as an engineer for Soletanche Bachy (Civil Engineering industry) – 2 years in Malaysia. 2+ years as a consultant for a Management Consulting Industry : Mars and Co, and 1 year as the E-business Director of St Gobain Building Distribution.

Mr Rober joined Terreal in 2002 with 6 years as International business development Director & Director of the cladding activity and since January 2008 as its actual position (and located in Malaysia).

**Mr GAETAN SIEW****(Former President of UIA presenting his project in Madagascar using terracotta)**

1981 – 2011	Director/partner of Lampotang & Siew Architects Ltd
2005 – 2008	President of Union Internationale des Architectes (UIA)
1985	President of Mauritius Association of Architects
1998 – 2001	Chairman – Construction Industry Development Board
1999 – 2008	Chairman – GATS/WTO Commission on AEC services
2005	Chairman – UIA Vision & Strategy Committee
2006	Honorary Fellow – Korean Institute of Architects
2006	President’s Medal – Royal Institute of Canadian Architects
2008 – 2011	President’s Medal – American Institute of Architects
1997 – 2010	Jury Member/President of various architecture awards worldwide
1990 – 2011	Made many presentation at international conferences



Immediate Past President of the Union Internationale des Architectes (UIA). Lectured widely in several universities in all 5 continents. Specialising on Globalisation issues and borderless topics such as Sustainability and Cultural Diversity. Focus in Leadership and strategic planning, in construction, real estate services.

Mr Gaetan Siew has travelled extensively to nearly 100 countries and visited over 250 cities to meet architects, international institutions and governments promoting greater solidarity which enables him to has a good understanding of geopolitics, global trends and issues relevant to the problems of today, mobility, culture and identity, the digital era, environment decline. In his view, being an architect means to translate others’ imagination into reality. Today he continues his mission as a high profile international consultant lecturing worldwide on issues of tomorrow and humanitarian needs of today.

REGISTRATION FORM

Terreal: The use of terracotta sustainable material in modern architecture

- Friday, 14 October 2011
- 2.00pm - 4.30pm
- SIA Theatre - Level 1 (79 Neil Road)

(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/Cancellations 3 days or less before the event will be charged at \$20.00. Verbal notification of cancellation is not acceptable.

Closing Date for Registration **11 Oct 2011**
BOA-SIA CPD Accreditation **4 points**

PARTICULARS

Name (as in Passport): _____

NRIC No: _____

Membership No: [] SIA _____

[] CIJC (Pls specify Institution) _____

[] BOA Reg No _____ [] Non-Member

Organisation: _____

Address: _____

_____ S ()

Tel: _____ Fax: _____

Email: _____

Contact Person: _____

Fees paid are non-refundable under all circumstances.
Replacement of participant will be allowed only if written notification is made at least 3 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. _____				

PAYMENT OPTIONS

Please tick your payment mode:

[] **By Cheque**
Bank/Chq # : _____ Amt S\$: _____
Local Cheque (must be drawn in Singapore) should be crossed and made payable to "Singapore Institute of Architects".

[] **By Vouchers**
Voucher # : _____ Amt S\$: _____

Please mail to:
Singapore Institute of Architects
79B Neil Road, Singapore 088904
Please indicate your name and company/institution (if any) and seminar date/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

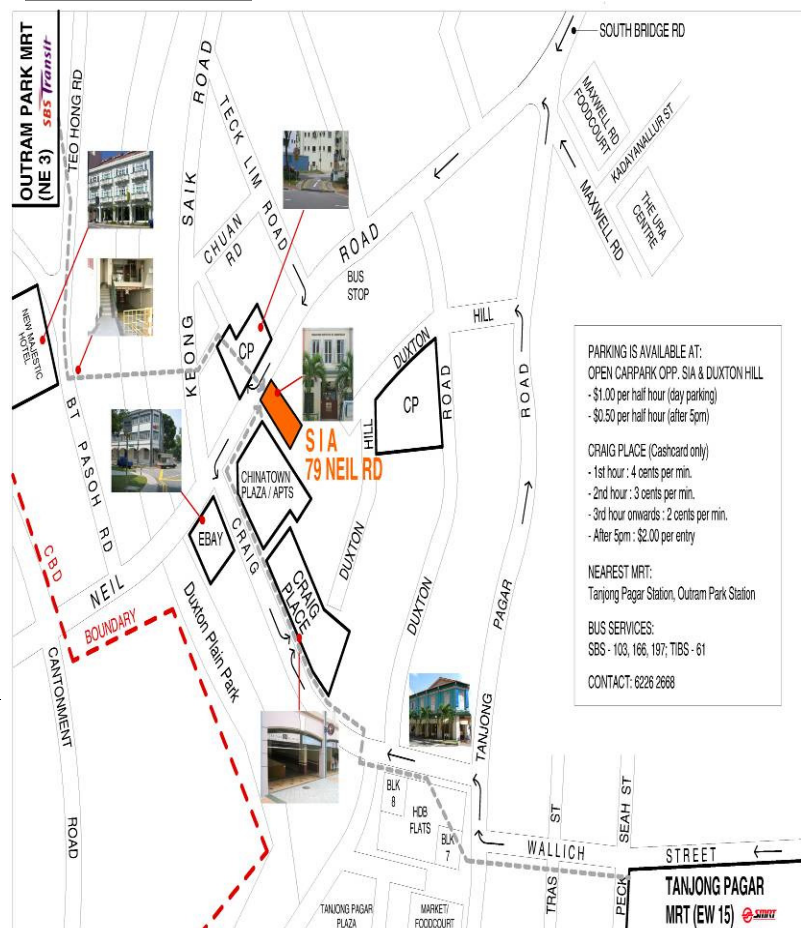
•All registration will be on a First-Come-First-Served basis and will be accepted upon receipt of registration form and payment to SIA. Registration by fax will only be confirmed upon receipt of payment.

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

Registration Confirmation No.:-

For Enquiry (Ms Jacey Tay):
Tel: (65) 6226 2668
Fax: (65) 6226 2663
Email: cpd@sia.org.sg

LOCATION MAP



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