

1st inaugural green seminar by Singapore Institute of Architects

# GREEN: WHY BOTHER?

The value of thinking 'green' at concept stage in these challenging times.

Changing times call for new knowledge empowerment. Client needs are evolving, tempered with changing economic realities and increasing environmental tipping points. As architects, we constantly need to re-evaluate our design approach. Are we equipped with sufficient green knowledge to be able to effectively incorporate and persuasively communicate on the value of thinking green at concept stage? Do we not bother at our perils?

A 4-in-1 sharing session will provide differing perspectives. Prepare to see through the eyes of a Sustainable Design Facilitator, an Environmental Specialist from Singapore Environment Council; a passionate Owner and your fellow Architects who have embarked on this journey. Expect to learn the way to Building Stewardship with emphasis on the economics of energy, to better understand the Green Labeling scheme, product endorsement and the associated cost savings, to be captivated by the motivations of an Owner and to be engaged by your fellow Architects' sharing of the many challenges and opportunities faced.

We hope that this inaugural green seminar will create awareness that Architects are crucial to the process of creating Green buildings and a sustainable environment. With a working knowledge, our members can then be empowered to provide the necessary leadership, especially at the concept design stage and they will not be deterred to go one green step forward. Changing times demand us to rise to the challenge and to lead by demonstrating to key stakeholders the value of thinking and designing green.

This seminar is open to all allied professional partners and interested members of the public.

- 0830** Arrival and Registration (Refreshments will be served)
- 0900** Welcome Remarks by President, Singapore Institute of Architects
- 0910** Welcome Remarks by Mr. Ramin Mehrganpour, VP and GM - Asia, Lutron Electronics Co., Inc.
- 0915** *"Building Stewardship Locally and Globally"*
- 0950** *"Green Labeling Scheme, Product Endorsement, and Cost Savings Strategies"*
- 1025** Coffee Break
- 1045** *"Going Green at Poh Ern Shih (Temple of Thanksgiving)"*
- 1120** *"Incorporating Green Strategy at Concept Stage - Challenges and Opportunities"*
- 1200** Q&A Session
- 1230** Lunch and Networking (Hosted by Lutron International)
- 1400** End

28 March 2009

08:30am - 02:00pm

Grand Hyatt Singapore

Hibiscus Room (2nd Level)



SIA Members \$50  
BOA/CIJC Members \$75  
Non-Members \$100  
SIA Student Members \$15  
Other Students \$30

**5 CPD**  
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# TOPICS

## “Building Stewardship Locally and Globally”

Mr. Larry Eighmy, Founding and Managing Principal of Stone House Group, will present the vision of “Building Stewardship” by aligning facilities and master planning stakeholders at the conceptual stages of a project. Through gaining consensus of this mission early on, facilities and resources are more efficiently utilized and assets are preserved – this is especially critical in today’s turbulent global environment. Mr. Eighmy will also discuss the Keeling Curve as well as climate change and the effects of the limited resources on our growing planet. As part of the architectural schematic, he will discuss the benefits of utility master planning, facilities assessment, commissioning, and LEED. Larry will present insights and quantifiable benefits of energy and water savings, CO2 and solid waste reduction, daylighting, tenant retention, and return on investment. Several case studies, from both Asia and the United States, will highlight the benefit of “Building Stewardship” in educational and corporate facilities.

## “Green Labeling Scheme, Product Endorsement and Cost Savings Strategies”

With all the talk about green products, green buildings and green businesses it has become ever more prevalent for both domestic and commercial consumers to seek validation for the claim made by both organizations and products that are ‘environmentally friendly’ or ‘green’. The Singapore Green Labelling Scheme has been established to compare, assess, and validate the claims of products marketed locally thereby providing them with a certified endorsement of their environmental impact. The benefits gained through Eco-Label certification lends not only credibly to the endorsed products but also acts as a tools for private and public sector companies to develop tenders thereby greening their supply chains. Added benefits of eco-friendly products, contrary to popular misconception, yield financial savings via their inbuilt abilities of increased performance, efficiency, rigidity, resource conservation, embodied energy, carbon footprint, etc. In addition, eco-labelled products are also used to validate the eco-friendly attributes of construction projects thereby acquiring certification under programmes such as LEED’s,

GreenStar and the GreenMark and also gaining additional points and higher levels of recognition.

## “Going Green at Poh Ern Shih (Temple of Thanksgiving)”

Appreciating an Owner’s passion to integrate green technology into redevelopment of a Buddhist temple and the motivating reasons to create a haven that is socially and environmental sustainable to its congregation and the terrain of the site. He will demonstrate many as-built green and senior friendly features, and his interest to repopulate the butterfly in the temple grounds. Owner will talk about his experience working with his Architect and engaging the authorities. Finally, he will share his Buddhist’s belief for the support of the environment and not to abuse it

## “Incorporating Green Strategy at Concept Stage - Challenges and Opportunities”

Three members from SIA Green Practice Committee will share their experience of the challenges and opportunities of incorporating green strategy at concept stage. This is done through a few projects undertaken by their firms. They will talk about their process-driven approach and their attempts to be environmentally responsible. Some of the solutions are derived from first principles, rediscovering specific cultural traditions, and from integrating science with art of building.

# SPEAKERS

## Mr Lawrence EIGHMY

Founding and Managing Principal, THE STONE HOUSE GROUP An US & China-based firm that has provided sustainability, technical and facilities consulting services to over one hundred non-profit, academic and professional clients. Mr Eighmy is very involved with utility master planning and LEED® administration and sustainable design. The STONEHOUSE GROUP has conducted energy projects at St Paul’s boarding school in New Hampshire, USA to support its mission of environmental stewardship. Foray into Asia includes a 4-day LEED charette with China Southwest Architectural Design and Research Institute Corp. Ltd after Chengdu’s May 2008 earthquake, which focused on sustainable design of 200 schools in Sichuan province, and a targeted LEED Platinum for the iconic Beijing’s ParkView Green. Mr Eighmy is a Trustee for Moravian Academy and sits on the Advisory Committee of

Saucon Valley Conservancy. Mr Eighmy attended Middelbury College, Carnegie Mellon University, Graduate School of Industrial Administration and Harvard University Graduate School of Design.

## Mr Yatin PREMCHAND

Project Manager, SINGAPORE ENVIRONMENT COUNCIL Yatin coordinates projects for rewarding corporate excellence promoting environmentally sustainable development within Singapore. With 10 years of experience, Yatin worked locally and overseas to facilitate the adoption of sound environmental management practices, assessment and implementation of clean technologies and innovations including the Green labeling Scheme, Singapore Green Business Alliance and Singapore Environmental Achievement Awards. Yatin is an advisor and consultant to organizations seeking to “go green” whilst demonstrating bottomline growth. As an Environmental Manager at Power Seraya, Yatin was instrumental in driving their CSR objectives and their submission for Singapore’s first Green Development Mechanism (CDM) project for carbon emission reduction. Yatin attended Singapore American School and graduated from Whittier College in California, USA with a degree in Environmental Sciences and Management.

## Mr Brother Boon Siong LEE

Honorary President, TEMPLE OF THANKSGIVING) Bro. Boon graduated from NUS Law School in 1963 and practiced law until 1969 when he immigrated to Canada. He graduated from the University of British Columbia Law School and continued to practice law. Bro.Boon was later assigned by his firm to service their Far East client ex-Singaporeans from 1985 as a suitcase Canadian lawyer. In 1995, He “retired” from active practice and volunteered his services at the Poh Ern Shih (Temple of Thanksgiving) established as a Charity since 1950. His Canadian sojourn exposed Bro. Boon to locally available Green technology and which he incorporated in this Temple to be of service to the aging congregation and to accommodate the larger congregation. This development has many Green and Senior-friendly features. TOP was obtained recently.

## Mr Yew Kee CHEONG

Chairperson, SIA Green Practice Committee Principal, 2B ARCHITECTS Mr Cheong Yew Kee is the founding principal of 2B ARCHITECTS, a full-service boutique architecture and planning firm committed to innovative and regionally appropriate architecture, achieved by integrating technology and art into sustainable design solutions. Commissions

include projects in Singapore, China and India. Mr Cheong is a SIA Council Member and Chairman of SIA Green Practice Committee. He is SIA representative in the Focus Group Meeting on BCA 2<sup>nd</sup> Green Building Masterplan, in the Working Group on Code of Practice for Pollution Control (COPPC) and he sits in the BCA Green Mark Advisory Committee. Mr Cheong facilitated the SIA-Philips Green Innovation Award in 2008. Mr Cheong is a BOA-registered architect, a licensed architect in the USA and a member of the American Institute of Architects.

## Mr Nigel GREENHILL

Committee Member, SIA Green Practice Committee Joint Founding Director, GreenhillLi GreenhillLi is a Singapore-registered architectural practice, established in 2005 by 2 Directors, Mr Nigel Greenhill and Ms Li Sau Kei. Both are BOA-registered architects and are members of the SIA Green Practice Committee. GreenhillLi’s architecture and design is process driven and environmentally responsible. Their team has worked in Europe, the Middle East, Singapore, Australia and North America on highly-acclaimed and award-winning buildings. These include the Reichstag Parliament in Berlin, the Al Faisaliah Center in Riyadh, the National Institute of Dramatic Art in Sydney, the Esplanade Theatres in Singapore and the Singapore Circle Line. This led to the formation of the GreenhillLi studio where architecture is place-making through the creation of delightful and uplifting spaces for people. Since GreenhillLi’s formation, they have undertaken projects in Australia, the Middle East, North Africa and Singapore.

## Dr Nirmal KISHNANI

Committee Member, SIA Green Practice Committee, Green consultant and design writer based in Singapore. Trained in architecture and environmental science he set up the first Singapore-based Green design consultancy in 2002 which he managed for five years. He has written and lectured extensively on the subject of Greening, addressing audiences in Australia, Europe, India, China and Southeast Asia. In 2007 Nirmal accepted a position with the National University of Singapore where he teaches sustainability at the Department of Architecture. He continues to be involved in select projects as sustainability consultant. He is Chief Editor of the FuturArc Journal – now a lead publication championing Green design – jury chair of the FuturArc Green design competition and sits on several advisory panels.

# Inaugural Green Seminar by SIA

## Grand Hyatt Singapore

### Hibiscus Room (2<sup>nd</sup> Level)

#### 28 March 2009

#### 08:30am - 02:00pm

Pricing Information	SIA Member	BOA/CIJC Member	SIA Student Member	Non SIA Member	Other Student
Seminar Fees	\$50.00	\$75.00	\$15.00	\$100.00	\$30.00

#### Notes:

- » Above prices are inclusive of 7% GST.
- » Attendees will be accredited 5 CPD points.
- » Registration includes coffee and lunch at the hosting hotel.
- » Each registered participant will receive a surprise door gift donated by our sponsor.

## PAYMENT INSTRUCTIONS & NOTES

- » Please fax to +65 6226 2663 or email to cpd@sia.org.sg this registration form.
- » Mail your cheque/ bank draft to SIA or make cash payment at SIA. All payments should be accompanied by a completed registration form for us to trace your registration.
- » Registration is only confirmed upon receipt of both registration form and full payment.
- » Registration is on a first-come-first-served basis, so please register early as there are limited seats available.
- » We seek your understanding that no refund will be made upon full payment received, or for “no show” participants.
- » Substitution is allowed, please send a written request to SIA at cpd@sia.org.sg by 21 March 2009 (Fri).
- » Where a Non-Member replaces a Member (must be from the same organization) the fee difference will have to be made good to SIA prior to the event

## PROGRAM

- 8:30am** Registration
- 9:00am** Welcome remarks by Singapore Institute of Architects
- 9:10am** Welcome remarks by Mr Ramin Mehrganpour, Vice President and General Manager - Asia. Lutron Electronics Co., Inc.
- 9:15am** Building Stewardship Locally and Globally (topic to be confirmed by Lutron)
- 9:50am** Green Labeling Scheme, Product endorsement and Cost Savings Strategies
- 10:25am** Coffee Break
- 10:45am** Going Green at Poh Ern Shih (Temple of Thanksgiving)
- 11:20am** Incorporating Green Strategy at Concept Stage- Challenges and Opportunity (Sharing by members of SIA Green Practice Committee)
- 12:00pm** Q&A
- 12:30pm** Lunch and Networking (hosted by Lutron)
- 2:00pm** End



# INAUGURAL GREEN SEMINAR BY SIA REGISTRATION FORM

(\*Please delete where inapplicable)

## DELEGATE DETAILS

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FIRST NAME:		LAST NAME:
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		AMOUNT S\$:

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Please fill in additional attendees below.

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