



PAMSC Design Forum

Green Building - The Way to a Sustainable World

Pertubuhan Akitek Malaysia Sarawak Chapter (PAMSC) is organizing a Design Forum focusing on Sustainable Design on 3rd May 2008. The theme of the Forum is "Green Building - The Way to a Sustainable World". With Global Warming becoming an increasingly critical issue, it is now necessary for Architects to equip ourselves with the latest knowledge in green and sustainable design. With this in mind, PAMSC has put together a panel of speakers who are experts in the area of green technology, sustainable design, energy efficiency and computer modeling tools for the Forum.

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PROPOSED CPD SEMINARS FOR YEAR 2008

- 19/4 (Sat am) - Am: 'Tropical Hybrids in S'wak: Architecture of the Brooke Administration Reconsidered' (John Ting & Mike Boon)
- 27/6 (Fri nite) - Project Management for Property Development (Eric Gan)
- 6/8 (Wed nite) - Am: History Repeat Itself (Lim Peng Keang)
- 13/9 (Sat am) - Designing for Fire Safety-Part 2 (Chong Lee Siong)



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Chairman says

**Crude Oil price reach record high !
World facing food shortage !
World food price set to increase due to competition from bio-fuel !**

These are the headlines which we see in the papers everyday. The problems which we have been anticipating for the past century have finally arrived, and most of us have yet to understand the full impact. The reality is that fossil fuel will run out in the near future; the US, China, India and indeed most of the developing World will continue to drive up the demand and prices for food and fuel; the pressure on commodities such as steel, cement, copper, plastics, and so on will continue to sky-rocket due to the relentless push for development.

The building industry is one of the big contributors to carbon emission, and also a big consumer of our precious resources. We only have to look at the almost daily increase in steel prices to see the dire consequences. Even copper wires have become so precious that it is now a target for thieves.

As Architects, we have a responsibility to take the lead in creating a more climate conscious approach to design and practice. Green and sustainable design is now more than just a trend - it is a necessity. However before we can act effectively, we need to build up our knowledge base in this area. In order to reduce the impact on our environment, we need to design buildings

which are energy and resource efficient. We need to learn how to do the most with the least amount of materials. We need to learn how to create buildings which are recyclable - instead of buildings which need to be demolished to make way for new developments. All this require a shift in our thinking, a longer term approach to design which is more sustainable.

The PAMSC Design Forum on 3rd May with the theme of "Green Architecture - The Way to a Sustainable World" would be a good opportunity for us to share with the panel of experts on areas such as energy efficiency, eco-friendly design, material processes, etc. This forum will serve as a good primer on the latest information and approach to Sustainable Design. This is also one of the biggest events for PAMSC in 2008.

As usual, we would like to remind all Members that contributions to PAMSC Intersection are welcomed. Please make full use of this newsletter to share your ideas, projects and concerns.

Ar Ng Chee Wee
Chairman
PAMSC



Letter from the Editor

An Inconvenient Truth...Indeed

I am reminded of the once Vice President of the United States of America who have since saw fit to raise the inconvenient truth. Unfortunately, evidence of our ecosystem running helter skelter is increasingly becoming more evident.

Our focus for PAMSC this year is on Conservation & Sustainable Design, and in the last issue of Intersection we brought you an article entitled 'Sustainable Architecture'. Further to this, the Design Forum entitled 'Green Building -The Way to a Sustainable World' scheduled for 3rd May 2008 would seek to address our collective concern and questions on legislation and practical application.

As expressed by our Chapter Chairman, Ar, Ng Chee Wee, we wish for all PAM members to support the event and in the process gain more knowledge on issues like energy efficiency, eco-friendly design and material processes.

We trust that all members would take the

opportunity to voice out queries and concerns in the forum.

CPD Woes

As of end of March, it would have been evident to members that our CPD events for 2008 have not commenced. I personally have received several queries on this. On behalf of our CPD Sub-Committee Chairman, Ar. Kho Meng Kang, we wish to assure members that we are working on getting sufficient events for all to meet the requisite points.

In response to concerns that CPD events are usually on Saturdays (which mean some site-based architects have to take time off work) we are also looking at some evening events during weekdays.

As always, any contribution from members to Intersection is encouraged and appreciated. Please feel free to contact me or Melinda at PAMSC regarding articles or suggestions for future issues of Intersection.

Cheers!

Ar Stephen Mong
Editor





PAMSC Chairman Ar. Ng Chee Wee (left) with PAM President Ar. Lee Chor Wah (right)

PAMSC MEMBERS' NIGHT 2008



Guests participating in the Dancing Game

It was a night of fun and merriment for Pertubuhan Akitek Malaysia Sarawak Chapter (PAMSC) members at their Members' Night 2008 held on 21 March at the Garden Hill Restaurant on Friday night. The theme for the evening was "Going Green." Among the guests for the evening were the PAM President Ar. Lee Chor Wah, building suppliers, and exhibitors of the Building Trade Shows (BTS).

In line with the theme for the evening, PAMSC Chairman Ar. Ng Chee Wee highlighted the importance of 'green' and sustainable architecture. He then made a brief presentation on the upcoming forum on Sustainable Design which is scheduled to be held in May 2008, and urged members to participate in the forum.



Plenty of food for everyone



A live band to entertain the crowd, featuring some of the staff from JKR



Having a relaxing time



PAM President Ar. Lee Chor Wah, in turn, gave a brief report on the upcoming events and professional development programmes in Kuala Lumpur. He encouraged members from Sarawak Chapter to give their full support by taking part in the various events and programmes drawn up.

There was also a slide presentation on the PAMSC past years' activities and BTS. BTS which was first held in 2003 with the last one being held in March 2007 has been scheduled for March 2009. Potential exhibitors were reminded to come for the launching of BTS 2009 soon.

Members and their guests also had plenty of fun and laughter watching and taking part in the various games during the evening with lots of prizes and lucky draws being given out. On top of these, there was also a live band and best costume contests to entertain the crowd.

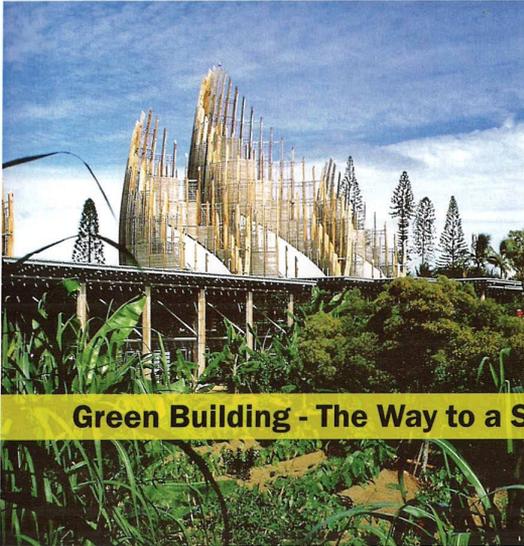


PAMSC Chairman Ar. Ng (right) presenting a memento to Ar. Peter Wong who was the Organizing Chairman of the Members' Night.

An advertisement for Caravaggio Designer Bathroom Essential. The background is a wood-paneled wall. In the foreground, a white POTEX toilet is shown. On a wooden vanity next to the toilet, there is a white vase with a decorative branch and a stack of white towels. The text 'superGRIF' is in the top right corner. The brand name 'Caravaggio' is written in a large, elegant script. Below it, 'DESIGNER BATHROOM ESSENTIAL' is written in a smaller, sans-serif font. The 'POTEX' logo is in large, bold, red letters, with '(599393 V)' in smaller text below it. Underneath the logo, the text reads 'POTEX INDUSTRIES SDN BHD (formerly known as SUHUWANG SDN BHD) (A Subsidiary of DGE INDUSTRIES SDN BHD)'. At the bottom of the advertisement, the address 'B-G-10, Jalan PJU 1/43, Aman Suria Damansara, 47301, Selangor Darul Ehsan.' is listed, along with the telephone number 'Tel (603) 7804 6010', the fax number 'Fax (603) 7880 6143', the email address 'email : potex@streamyx.com', and the website 'Website: www.potex.com.my'. At the very bottom, the words 'elegance | modern | comfortable' are written in a small, lowercase font.

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The topics of the papers attempt to strike a balance between policies and incentives, technology, environmental responsibility, and design creativity. With a conscious effort and the right knowledge, it is possible to design buildings and structures which are energy efficient, provide adequate comfort levels for the occupants, and make use of sustainable materials and practices.

The one day Forum will feature a total of 8 speakers. One of the speakers, Dr. Deo Prasad is the Director of the Sustainable Development Program at the

University of New South Wales. An expert in computer simulation tools for energy performance, Dr. Prasad's talk will impart practical knowledge on the use of computer technology in achieving energy efficient design. Two of the speakers are from our Northern neighbour, Thailand. Dr. Soontorn Boonyatikarn is the Director of the Centre of Excellence for Building and Environmental Technology, and Professor of Architecture at the Chulalongkorn University. He is an Eco-House Expert under the United Nations Environment Programme. The other speaker, Dr. Vorasun Duranakarn is the Research Director for the Centre of Excellence for Building and Environmental Technology and Associate Professor of Architecture at Chulalongkorn University. Dr. Vorasun specializes in energy analysis, sustainable development, recycling and building material processes.

Miss Loo Took Gee - the Deputy Secretary General II of the Ministry of Energy, Water and Communications will speak on Government Initiatives and Incentives in the area of Energy Efficiency Policy. The rest of the speakers will cover Sustainable Architecture, Energy Efficient Design, and Environmental

PAMSC Design Forum

engineering.

This Design Forum is made possible by the generous sponsorship of ICI Paints Malaysia. A leader in the paint industry, ICI Paints is also one of the global companies which have adapted a "Green Policy" of using environmentally friendly materials in their products.

This Forum comes under the aegis of the Sub-Committee for conservation & Sustainable Design headed by Ar. Hubert Kueh. The Organizing Chairman for the Forum is Ar. Law Kim Chui.

Registration Fees for the Forum are as follows:

PAM Members RM 200.00
Non-Members RM 300.00
Graduate Architects RM 100.00
Students RM 50.00

Those interested to register for the Forum please contact:

PAM Sarawak Chapter
2nd Floor, Sub-Lot 56,
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Lot 7915 Queen's Court,
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Speakers Bio-Data



Dr. Deo Prasad is Director of the Sustainable Development Program at the University of New South Wales. He has worked on milestone projects including Australia's first solar village, scientific validation of computer simulation tools for energy performance prediction of buildings and related green building assessment tools, advanced performance simulation of building using complex modelling software and the Green Olympics project. He has won an Australian National Innovation Award and the NSW Government 2004 Green Globe Award.

Mr. John Bulcock has 25 years experience working as an Architect, Planner, Interior Designer and Landscape Designer on a wide variety of projects in Europe, Turkey, India, & Asia. His experience encompasses Architecture as well as Architectural, Master, Urban and Sustainable Planning. Since 1994 he has been commissioned to carry out a wide variety of projects in Malaysia, India, China and Southeast Asia including Residential, Commercial & Institutional buildings and Sustainable Master Planning of Resorts and Townships. Low energy and sustainable design is central to his philosophy and approach to architecture and he has received a number of awards for his work. His company has set new standards for the residential sector in Malaysia by offering state-of-the-art homes which are sustainable, environmentally friendly with a responsible approach to the environment.



Professor Dr. Soontorn Boonyatikarn is the Director of the Centre of Excellence for Building and Environmental Technology and a Professor for the Faculty of Architecture at Chulalongkorn University, Thailand. He sits on many advisory boards relating to energy policies and education, and is an Eco-House Expert under the United Nations Environment Programme. Professor Dr. Soontorn has received numerous awards throughout his academic career, including the ASHRAE Regional Technology Award for "The Bio-Solar Home" in 2003, and 2004 Invention Award from the National Research Council of Thailand in 2004.

Dr. Vorasun Buranakarn is the Research Director for the Centre of Excellence for Building and Environmental Technology and Associate Professor for the Faculty of Architecture at Chulalongkorn University, Thailand. He received his Ph.D. in Architecture from University of Florida, specializing in energy analysis, sustainable development, recycling and building material processes. His numerous awards include the Architectural Design Award from Chulalongkorn University and International Students Academic Award for Outstanding Academic Achievement from University of Florida, USA.



PROGRAMME

Morning Session

Energy Efficiency Policy: Initiatives & Incentives

Ms. Lee Took Gee, Deputy Secretary General of Ministry of Energy, Water & Communications

Climate Change and Low Energy Architecture in Hot and Humid Climates

Prof. Azni Zain Ahmed, Assistant Vice Chancellor, Institute of Research, Development & Commercialisation, Universiti Teknologi MARA

The Paradigm Shift for the Next Generation

Prof. Dr. Soontorn Boonyatikarn, Professor of Architecture, University of Chulalongkorn, Thailand

Design Techniques to Reach Ultimate Sustainability

Prof. Vorasun Buranakarn, Associate Professor of Architecture, University of Chulalongkorn, Thailand

Afternoon Session

Shades of Green

John Bulcock, Partner, Design Unit Sdn. Bhd.

EE before RE (Energy Efficient Before Renewable Energy)

Ar. Saifuddin bin Ahmad, Principal Architect, SNO Architects Sdn.Bhd.

Thermal Efficiency of a Building in Tropical Conditions

Prof. Anatoli Vakhguelt, Professor of Engineering, Swinburne University of Technology, Sarawak Campus

Green Buildings, Myths, Tools, Techniques & Technologies

Prof. Deo Prasad, Professor for Sustainable Built Environment, UNSW, Australia

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Speakers Bio-Data



Dr. Anatoli Vakhguelt is presently the Head of Engineering in Swinburne University of Technology Sarawak Campus. Originally from Russia, he obtained his Ph.D. from Academy of Science, USSR. Since 1996 Dr. Anatoli has taught in University of Ballarat and RMIT University Australia before joining the academic staff in Swinburne Sarawak. His areas of research includes Environmental Engineering, Heat and Mass Transfer in Heterogeneous Mediums and Thermal Efficiency. A Member of the American Society of Mechanical Engineers, Dr. Anatoli has published 3 books and over 60 research papers.

Professor Dr. Azni Zain Ahmed is the Assistant Vice Chancellor (Research) in Universiti Teknologi MARA. She has carried out many research in the area of solar energy, daylighting and daylight modelling, thermal comfort and bioclimatics. Currently she is undertaking research into integrated daylighting and ventilation design system for energy efficiency in buildings and EFB based roof insulation materials. She is a panel writer for the Code of Practice for Energy Efficiency in Non-Domestic Buildings, and currently sits on the Steering Committee on Energy Efficiency Strategies for the Ministry of Energy, Water and Communications Malaysia.



Ar. Saifuddin bin Ahmad is the principal of Saiduddin Architect and director of SNO Architects Sdn. Bhd. He obtained his Diploma in Architecture from Universiti Teknologi Malaysia in 1980 and completed his Bachelor of Architecture at Deakin University Australia in 1982. Ar. Saifuddin is a PAM Council Member from 2006 to 2008, and a Board Member of the Board of Architects Malaysia for 2007-2009. He is a hands on architect with vast experience in design, project management and contract administration in both architectural and interior design

projects. Currently he is actively involved with the recent development of Energy Sustainable Buildings in the tropics through participation in related seminars, conferences and workshops. His firm was the architectural consultant for the Ministry of Energy, Water and Communications Building in Putrajaya, a showcase building for energy efficient design.

GOOD RESPONSE TO FIRST CPD SEMINAR

on

" Hybrid Processes in 19th Century South East Asia: The Architecture and Urbanism of the Brooke Administration in Sarawak Reconsidered"

The first CPD event for 2008 saw more than 90 participants, marking an impressive start to the year. Undoubtedly, the unique topic of the talk managed to draw many attendees from not only architects but engineers and quantity surveyors.

The morning of the 19th of March saw two speakers tackling the issues of conservation and historical interpretation of the Brooke era buildings.



Ar Mike Boon Chee Khian

continued page 10...

The opener, Ar. Mike Boon Chee Khian (current President of Sarawak Heritage Society and Hon. Treasurer of PAMSC) spoke at length about the topic close to his heart - Conservation. Attendees were enlightened by the Charters which govern and guide conservation works internationally. It was also revealed that Sarawak, in the enacted Antiquities Act, has the legislation to pursue the issue of conservation.

The presentation touched on questions of what Heritage was, the types of Heritage, and whose responsibility was it to protect our heritage. Ar. Boon also shared his experiences in the conservation of the Kuching Old Court House.

Issues on adaptive reuse, jurisdiction and the formation of the Joint heritage Committee were also discussed.

The second speaker, Ar. John Ting delivered his PhD paper on the research he has undertaken on the reinterpretation of Brooke Architecture in comparison to British Malaya and Singapore. At the onset, Ar. Ting sought to distinguish the different geo-political background between Sarawak and much of British South East Asia. It became obvious that due to the unique conditions in Sarawak (which was ruled by a private British citizen) the architectural works were distinct from examples like Kuala



Ar John Ting



View of the participants attending the seminar.

Lumpur and Singapore. Ar. Ting suggested that the differences stemmed from the Brookes' efforts to integrate and assimilate with the inhabitants and culture of Sarawak rather than to impose and 'colonize'. He also showed examples of urban planning tools

used for purposes of colonization - the symbolic unseating of the local head man by moving him out of the locus of power, then occupying this space with a colonial edifice. This was followed by the ubiquitous ceremonial marching ground cum padang which then became part of the grid overlaid over the existing urban fabric.

Ar. Ting also expanded on the idea of the fort in Sarawak and the typical colonial definition in the rest of South-East Asia. In Sarawak, the fort took on the role of dispensary,

administration office, and even school besides taking on the role of security outpost. It was further noted that many forts in Sarawak were not built like forts at all, having been constructed of timber and adopting a very much indigenous form architecturally.

The speaker is an architect who trained at RMIT University in Melbourne, Australia and has practiced in both Melbourne and Kuching. He has taught in the architecture programme in RMIT University in design, history and technology and has also lectured on colonial architecture in South East Asia at Melbourne University and Deakin University. He currently has a small practice in Melbourne and is a candidate in the PhD programme at Melbourne University in architectural history, researching the architecture and infrastructure of Sarawak's Brooke Administration.



View of the participants attending the seminar.

Graduates Nite 2007

It was the first ever Graduates Nite organized by the newly appointed Graduate Sub Committee (comprising of Mr. Lee Chai Guan and Mr Kevin Phua), and it was a roaring success!

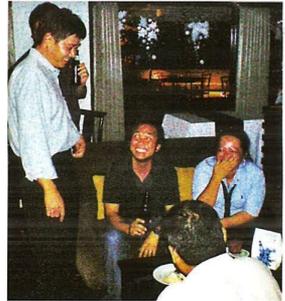
The Graduates Nite was held in the Garden Hill Restaurant at Taman Kereta on 14th December 2007. It was attended by 70 strong bodies comprising of PAMSC members, graduates, students and suppliers. Accompanied by the restaurants scrumptious choice of food and beverages, guests were seen mingling and catching up with old friends and associates.

The event was organized as a social get-together to inculcate closer rapport amongst other graduate members, PAMSC members as well as suppliers. Ar. Ng Chee Wee,



PAMSC Chairman Ar. Ng (right) talking to some architecture students at the function

PAMSC Chairman, in his short message, encouraged more of such events to be organized and participated by the graduate members.



Ar. Ng Chee Wee later extended letters of appreciations to Titan (Sarawak) Sdn Bhd, Sebor (S) Marketing & Sales Sdn. Bhd, Lucky Star Trading Sdn. Bhd, and United GI Products Sdn. Bhd for their support that has made this event a reality.



continued page 10...

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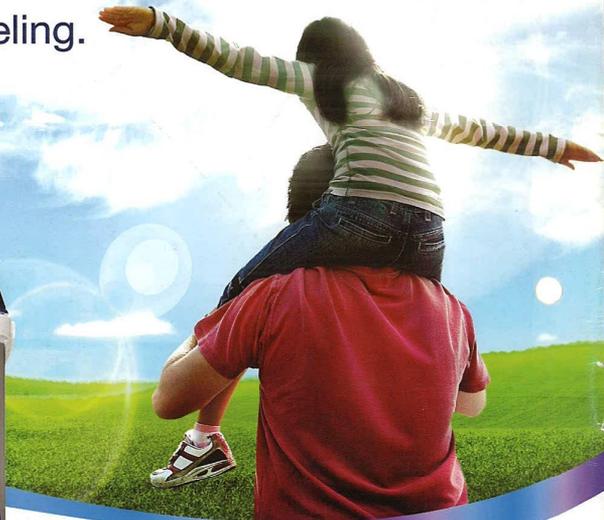
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