

APRIL  
2010

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PAM PERTUBUHAN AKITEK MALAYSIA  
MALAYSIAN INSTITUTE OF ARCHITECTS

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[www.pam.org.my](http://www.pam.org.my)

## EVENTS

**29 August – 21 November 2010**

**Venice Biennale 2010**

12th International Architecture Exhibition  
Venice Italy

**21 August 2010**

**PAM 44th Annual General Meeting**

**Time** 10.00am

**Venue** Sime Darby Convention Centre, Kuala Lumpur

**25 September 2010**

**PAM Annual Dinner**

**Venue** Mandarin Oriental Hotel, Kuala Lumpur

**07 August 2010**

**PAM CPD Seminar**

"The Role of Local Architectural Heritage in  
Tourism Promotion"

**Venue** PAM Centre, Kuala Lumpur

**28 August 2010**

**PAM CPD Seminar**

"Ecotowns for Asia – An Application of  
Sustainable Technology"

**Venue** PAM Sarawak Chapter

**04 September 2010**

**PAM CPD Seminar**

"Claiming and Processing EOT Under PAM  
Contract 2006"

**Venue** PAM Sabah Chapter

**25 September 2010**

**PAM CPD Seminar**

"Marketing for Architects, Colours in Architecture  
& Sustainability and Green Building"

**Venue** PAM Sarawak Chapter

**25 - 30 October 2010**

**14th Asian Congress of Architects**

**Venue** Convention Centre, Lahore, Pakistan

Kindly note that the scheduled events above are  
subject to change. Please call PAM at  
03-26934182 for confirmation.

# THE LAUNCH OF GREEN BUILDING INDEX "NON-RESIDENTIAL EXISTING BUILDING" RATING

Excerpt of foreword by Ar Boon Chee Wee, PAM President &  
Chairman of Green Building Index Accreditation Panel

26 April 2010\_Kuala Lumpur

## FUTURE-READY

The launch of Green Building Index Non-Residential Existing Building (NREB) Rating is the beginning of another important chapter in our green transformation.

Green Building Index began formulating this new rating as soon as GBI and the two earlier ratings were launched last year. This was in response to the industry's request, and with sustainability compliance becoming a major priority in the property tenancy market now and in the future, the urgency is understandable.

This new rating is thus a timely and essential guide for existing property owners to re-condition and "future-proof" our existing stock of buildings to meet 21st century environmental performance standards; for these properties to be "future-ready" and remain competitive in the long-term, against contemporary developments.

In the process, green-retrofitting, or retro-greening, will also transform existing buildings: with a new extended lifespan, and a new appeal. This, together with the widely known benefits of healthier indoor environment, increased productivity, lower operational and maintenance costs that come with the new environmental credential, will undoubtedly lead to progressive appreciation in rental and asset value.

With these obvious benefits, and supported by the strategic incentives that our government has already put in place, retro-greening will be the new stimulus of our green economy, and a new economic multiplier of our construction and property industry.

Most importantly, with existing buildings and their communities continuing to contribute over 40% of green house gases to the environment, **the Green Building Index Existing Building Rating will unlock a new and critical capacity in our carbon reduction to meet Malaysia's commitment to the world.**



# Topic

Create a design and assesment sheet on 'Green Affordable Residential Housing' with social infrastructure (e.g. encounter areas like playgrounds, sporting facilities etc.), flexible space (three bedrooms and two bathrooms), at costs of under RM100,000, located in a central urban area of high density medium rise (5-8 stories) with consideration of the Malaysian Green Building Index (GBI; <http://www.greenbuildingindex.org/>).

## Schedule

Competition comences	:	3 <sup>rd</sup> May 2010
Deadline for Entries	:	5 <sup>th</sup> Nov 2010
Judging	:	26 <sup>th</sup> Nov 2010
Award ceremony	:	3 <sup>rd</sup> Dec 2010

# greenC Challenge Residential Affordable



## CONTEST Urban Social Architecture 2010

1st Price RM 3,000 | 2nd Price RM 2,000 | 3rd Price RM 1,000  
6 Honorable Mention Prizes RM 500 each

### Rules & Conditions

For more information regarding to rules and regulations visit the homepage of

GI Malaysia : [www.goethe.de/ins/my/kua](http://www.goethe.de/ins/my/kua)  
Alliance Francaise : [www.alliancefrancaise.org.my](http://www.alliancefrancaise.org.my)

Submit your entry to the following address:

Goethe-Institut Malaysia  
Suite 06-07, 6<sup>th</sup> Floor, Menara See Hoy Chen,  
No. 374 Jalan Tun Razak,  
50400 Kuala Lumpur, Malaysia.  
[admin@kualalumpur.goethe.org](mailto:admin@kualalumpur.goethe.org)  
T. 03-2164 2011, Mon-Fr, 9am-6pm

Alliance Française  
15, Lorong Gurney,  
54100 Kuala Lumpur,  
Malaysia.  
[culture@alliancefrancaise.org.my](mailto:culture@alliancefrancaise.org.my)  
T. 03-2694 7880, Mon-Fr, 9am-6pm



Message from  
**YAB Dato' Sri Mohd Najib  
Bin Tun Haji Abdul Razak**  
Prime Minister of Malaysia

I wish to congratulate Pertubuhan Akitek Malaysia (PAM) and the Association of Consulting Engineers Malaysia (ACEM) for the launch of the new Green Building Index (GBI) tool to help property owners to upgrade their existing buildings to become more "Green" and sustainable.

This is an important step as we press towards a High Income Economy. To achieve this vision we have to plug the leaks to reduce unwanted losses and unplanned wastages. We cannot afford to have buildings that continue to use too much resources and energy whilst at the same time contribute wastes and harmful green house gasses that damages the environment. This GBI tool can also help to transform all aging and inefficient buildings to become higher value assets.

The Government's commitment to a greener future is clear. Incentives in the form of tax exemption for building owners, and stamp duty exemptions for buyers of properties that achieve GBI certification have been provided in Budget 2010. These are to help the country to build more Green buildings and also to develop more Green Technologies.

In addition, GBI Malaysia is a good example of how the private sector, professionals and NGOs can work together to come up with an internationally accepted standard for Green Buildings in the tropics. We appreciate and encourage more of such innovation and creative input.

I support and wish you every success in its implementation.

**"1 MALAYSIA" People First. Performance Now.**

**YAB Dato' Sri Mohd Najib bin Tun Haji Abdul Razak**



Message from  
**YB Dato' Sri Peter Chin Fah Kui**  
Minister of Energy, Green Technology  
and Water Malaysia

Congratulations to Pertubuhan Akitek Malaysia and Association of Consulting Engineers Malaysia for the launch of the new GBI Existing Building Rating Tool.

As the majority of existing buildings in Malaysia were built without green considerations, it is timely that GBI has developed a tool to help property owners to upgrade and retro-fit their buildings. This will give new life to aging and out-dated buildings. They will become more energy, water and resource efficient, have better indoor working qualities and also contribute less waste and green house gases.

The Ministry of Energy, Green Technology and Water is fully supportive of all such contributions and inputs to help drive the development of Green Technology in Malaysia. I am pleased to note that GBI has received the full support of Malaysia's building and property players. Incentives for GBI in the 2010 Budget will further propel the development of more green buildings in Malaysia.

In a short time, GBI has become recognised by the world community as Malaysia's very own green rating tool. It gives building owners who are environment-conscious, as well as business-savvy, the opportunity to build or retrofit buildings that are not only environmentally more friendly but also make economic sense.

Well done PAM, ACEM and GBI.

**YB Dato' Sri Peter Chin Fah Kui**



YB Dato' Sri Peter Chin Fah Kui with the recipients of GBI certificates

# Opening Speech For Abundant Australia: “Highlights from the 11th Venice Architecture Biennale”

by Ar Hijjas Kasturi, PAM Gold Medalist 2001

19 April 2010\_National Art Gallery Malaysia, Kuala Lumpur



From left Puan Zanita Anuar, Acting Director General of National Art Gallery Malaysia, Ar Hijjas Kasturi, Ar Boon Chee Wee and Mr Craig Chittick, Deputy Australian High Commissioner.

*I am honoured to be invited today to open this exhibition, as it relates to many of my personal and professional interests.*

*Architecture and the visual arts are closely connected, and it is gratifying to see this architectural exhibition staged at our National Art Gallery. I have been trying to strengthen the relationship between the arts and architecture throughout my professional life, from the first years at MARA Institute of Technology, where we combined the schools of Art and Architecture so that students from both disciplines would be aware of what their peers were doing and thinking, to reinforce the imaginative process. More recently I started a residency for artists and other creative people to give them opportunities to develop and other creative people to give them opportunities to develop their practices away from the usual distractions. The many diverse designs in this exhibition have come from over one hundred Australian architectural practices, and were presented at the eleventh Venice Biennale in 2008. They demonstrate the wealth of creative ideas to be generated by combining art and architecture.*

*All artist and architects must deal with concepts, the initial ideas that make a work unique and later enable the user or viewer to experience some new and inspiring insight. Concepts are the most vital part of any architectural or fine arts practice, they are the ideas that drive a project and provide the rationale for decision making as a design develops; they come from the well spring of imagination and some of them eventually develop into a physical form.*

*This exhibition shows that process, but as it might occur after the building has been completed, by extrapolating some aspects of the completed structure in another direction.*

*These models provide a glimpse of Australian architecture to new audiences, and as well to people like myself who have had a long and close association with Australia, but because of physical distance, have missed a lot of what has happened*

*there over recent years.*

*One objective of the exhibition was to demonstrate that Australian cities are unique; they are not mere replicas of some international style, but are the result of rethinking global trends in respect to a particular place and time. Each of these models reflects the projects of a practice, capturing, to quote the catalogue, “the particularities of each practice, the attitudes to architecture and representation, and the conceptual priorities... testifying to the vigour and productive energy that characterize contemporary architectural production in Australia”.*

*The models demonstrate the process of re-thinking architecture and the built environment. Rather than showing us the final built structure as the sort of model we are familiar with, these models draw from built works, and are develop from abstracted architectural fragments, focusing on a conceptual departure that might convey a spatial quality, or study just one architectural element.*

*Australia has gone a long way to spearhead new ideas and concepts in the creative arts and architecture, but architecture is normally seen as an object rather than a process. When thinking about Australia, most people would visualize the Sydney Opera House against the backdrop of the harbor, the city and the bridge. This is perhaps the most widely recognized image of Australia, but since the opera house was designed over half a century ago, architecture has evolved, and so has the process of design.*

*I was in Australia in the 50s and 60s, when there was a huge interest by veterans of the Second World War in the new ideas from Europe and America. New possibilities broke with the long sustained reverence for English tradition and lead to a resurgence of the creative arts in all directions.*

*The post war boom required new designs for industry, the media and television; giving the expression of the arts a huge*

Continue on page 5 >

Opening Speech by Ar Haji Hijjas Kasturi Opening of ABUNDANT AUSTRALIA • Continue from page 4 >

boost...architecture and fine art began to break away from the inhibitions of the colonial era and to seek their own identity and concerns.

I went to Australia to study architecture in 1958, and was very influenced by the then new architects such as Roy Grounds, Robyn Boyd and Harry Seidler, and of course the Opera House in Sydney opened the public to the debate about modernism and identity.

New policies encouraged migration to Australia, and cultural diversity enabled new creativity and expression in the arts. Expanding possibilities provided by art and architecture schools enabled the development of an extraordinary range of talent. The ideas we see today could not have been conceived at an earlier time, but they are based on that long and sustained evolution of creative thinking in the visual arts.

Abundant Australia shows what can be achieved by freeing the imagination, and allowing the creative mind to wander in all directions to explore all sorts of possibilities. The process of thinking, developing, discarding and starting again, is essential. Sometimes it can be intimidating to introduce new concepts when it hasn't been done before, but this exhibition shows that this is how designers actually play around with a problem, and then take it one step further, beyond construction and into art form.

To be daring and prepared to embrace the unorthodox is a little unusual in the Malaysian context, especially as our clients tend to be conservative. We need as well a culture of appreciation, an educated public willing to explore and understand what creative designers and artists produce, so that the public at large can value the importance of design and art. Professional skills and public appreciation go hand in hand to generate a self sustaining process of creativity.

I am impressed by the exhibition and hope that the Malaysian public will enjoy it too, and that policy makers will see the advantages of encouraging creative thinking and design. Without this, a country can't compete. Australia has developed its art and architecture industries over the decades to world class levels, and now they compete in any arena, a commendable achievement for a relatively small country.

I would like to express my personal thanks to Asialink amongst the many sponsors. Asialink supports creative practice amongst artists and intellectuals in Australia and Asia, strengthening our common needs and objectives. It is perhaps timely for Malaysia to develop a similar programme to enable young Malaysians to travel to Australia and Asian nations to immerse themselves in different architecture, arts or performance. Such exposure would greatly enrich their own practices at home.

Concepts and ideas are the keys to success in the modern world. Abundant Australia is showcase of their importance; I congratulate the organizers, the curators and the designers, without whom our lives would be very much the poorer.

Thank you.



# The Cost Advantage of IBS

It has been pointed out the best solution is the tried and tested one. This appears to be the widespread belief among construction professional in Malaysia as far as construction methods are concerned. It is widely believed that the conventional plywood formwork and brickwork plaster wall is the cheapest method of construction and therefore the most cost effective. When available data is evaluated in detail however, there appear to be not just cost but other significant advantages in going for IBS construction. The five key methods of IBS recognized by CIDB and available in Malaysia are:

1. Block works
2. System Form works
3. Pre-cast concrete
4. Prefabricated roof trusses
5. Steel construction



## AAC BLOCKWORKS

AAC blocks have been successfully used in many high-rise apartments as infill block-work. It offers significant cost and time advantages. Compared to conventional clay brick wall, direct cost comparison is as follows in the Klang Valley. Internal walls 114mm thick clay brick wall with plaster is about RM60/m<sup>2</sup>. Internal walls using 100mm AAC walls with skim coat is about RM57/m<sup>2</sup>. Using CSR AAC block walls fully, it is possible to achieve up to 20% of cost saving for high-rise project. Compared to conventional brick wall, the rate of installation is double and coupled with skim coat finish for internal wall; it is possible to reduce project completion time by as much as 30%. Typical installation rate for bricks is 10m<sup>2</sup> per worker per day whilst AAC is 20m<sup>2</sup> per worker per day.

Its major drawback is still one of perception. Many Developers are reluctant to use AAC blocks despite their superior qualities compared with normal clay bricks because they are equated to sand bricks. Many Contractors are also reluctant to use a material with only a single supply source in Malaysia from CSR.

## SYSTEM FORMWORKS

When compared on cost per square foot of formwork basis, system formworks are known to cost between 2 to 3 times less than conventional plywood formworks. Why then is it more widely adopted in the Malaysian construction industry? One of the greatest challenges to the wider adoption of the aluminium system formworks is the high up-front capital cost, especially for construction companies using the system formworks for the first time. However once companies have acquired the first set, subsequent projects become more viable as more than 70 percent of the standard formworks can be reused up to 250 times. The dominance of Malaysian construction by small

construction companies and multi level sub-contracting are the other obstacles to the wider adoption of these systems. Conventional timber formwork, table formwork system, tunnel formwork system, wall formwork system offer competition to system formworks for low volume works and where there is little or no repetition.

## PRECAST CONCRETE

In advanced countries the mantra is "Precast – The Concrete Solution". Many have pointed to the high labor cost and ready availability of precast components thus leading to lower component costs as the driving forces to their adoption.

Why then is it not more widely used in Malaysia? One of the main reasons is "hidden advantages" of pre-cast construction : faster completion times, more consistent quality, less wastage of materials, larger spans and column free buildings. All these advantages are never taken into the cost equation by most Construction cost professionals and their building owners. Many Professionals are also fearful of construction methods they have never used before and therefore leave it to the few specialist contractors to counter propose the precast concrete solutions. This is seen in the few significant projects which are full precast concrete buildings – Taylor College Subang Jaya, Amway Building Petaling Jaya, Jaya Jusco and Carrefour supermarkets.

## PREFABRICATED ROOF TRUSSES

This is one area of IBS that require very little elaboration on its advantages. Prefabricated timber trusses whether timber or lightweight steel have already replaced the installed in-situ timber trusses for many years. This is because of their significantly lower overall cost, better quality and faster completion. Today, only the smallest project use in-situ timber trusses.

## STEEL CONSTRUCTION

It has been said that an all steel building would cost ten times more than a reinforced concrete building. On a straight comparison of per cubic meter of steel to concrete this is probably true. On a strength to weight ratio comparison however, steel is many times higher, especially in tension. Steel as a structural material offers many advantages not available to the other methods of construction, especially in large spans and easy installation. For this reason, it is used only in structures that require fast completion and large column free spans such as factory buildings which are dominated almost completely by steel structures, despite their higher cost. This is because for factories, every day the building is not completed is a loss in production capacity which when calculated in loss of potential profits is more than the additional cost of a non-steel building.

Why then is steel not more widely used in other building types? Cost is an obvious issue. Another is that not many Professionals are familiar with designing and detailing in steel. Steel is therefore only used where other building materials are not able to meet advantages that steel has to offer.

## FUTURE ADOPTION OF IBS IN MALAYSIA

IBS cannot and is not a one size fit all solution for the problems that the construction industry has. Adopt those IBS components, which are most cost effective first and eventually as the industry advances, more opportunities will come about.

Below are some general observations. The system adopted should reflect the design and the circumstances of the particular project.

IBS COMPONENT	ADVANTAGES	DISADVANTAGES	WHEN TO ADOPT
AAC Block works – Load bearing	Many as listed in CSR section	Thin blocks tend to crack. Must have renovation plans ready	Low rise buildings up to 5 storey
AAC Block works – infill	Lighter structure and foundation	Looks like sand bricks and perceived as cheap	All types of construction where no wall plastering required or skim coat only
System Formworks	Good finishing and lower final cost	High initial cost	All types of buildings but best with much repetition
Precast concrete	Faster completion times and more consistent quality	Not suitable where completion time and quality is not critical.	Projects with critical completion times and limited work space
Steel structure	Specialized buildings and large spans	Higher cost Not much local expertise	Projects with critical completion times and limited work space

Prepared by **Ar Chan Seong Aun**, Professional Practice Committee

# Industrialised Building system Training Course



## LIST OF IBS TRAINING COURSES OFFERED BY ARCHITECT CENTRE

### BASIC IBS TRAINING FOR CONSULTANTS

IBS in Malaysia: Case Studies of Successful IBS Companies	Half day
IBS Score Calculation and Submission (CIDB-IBS02)	1 day
IBS Hybrid & Conversion to IBS Design	1 day
Cost & Legal Implications of IBS	1 day
Modular Coordination Design (CIDB-IBS06)	2 days
Basic Steel Design & Detailing	1 day
Timber IBS	1 day

TRAINING DATES TO BE ADVISED

### PRECAST CONCRETE TRAINING FOR CONSULTANTS

Precast Concrete Available in Malaysia	Half day
Precast Concrete Planning, Design, Detailing & Execution (CIDB-IBS03)	1 day
Conversion to Precast Concrete – Drawings, Cost & Planning – Integration	1 day
Advanced Precast Concrete Planning, Design and Execution	1 day

### STRUCTURAL DESIGN TRAINING FOR CONSULTANTS

Structural Analysis & Design : Precast Concrete Structures	1 day
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Contact Architect Centre for further enquiries: **t** 03-2698 2488 **e** [rajaselamah@architectcentre.com.my](mailto:rajaselamah@architectcentre.com.my)

# PAM at Malaysian Services Exhibition (MSE) 2010 in Dubai

13-15 April 2010\_Dubai

Malaysian Services Exhibition MSE 2010 Dubai held recently from 13 till 15 April 2010 is the third series of Malaysia External Trade Development Corporations (MATRADE)'s initiative to promote the services sector in the Middle East region.

For 2010, PAM and six of its members participated under the professional services cluster with the overall aim to further promote the institution as a reputable and leading organization as well as providing the support and framework for its members who have presence and those firms which are planning to expand their services in the Gulf region despite the global economic turmoil.

This year MATRADE envisioned and worked towards elevating the MSE Dubai 2010 as a more significant and prestigious affair. This event was officiated by Y.Bhg Dato' Sri Mustapha Mohamed, Minister of International Trade and Industry of Malaysia and Her Highness Sheikha Lubna binti Khalid Al Qassimi, Minister of Foreign Trade, United Arab Emirates. The exhibition was held in Za'abel Hall, Dubai International Convention and Exhibition Centre which is close to Burj Khalifa, the world's tallest building. What separates this year's endeavour is MATRADE's intensified advertising and promotional efforts through its network of trade offices around the region prior to the event.

For PAM, MSE Dubai 2010 provided with the opportunity of launching Architects Malaysia, a current registry both in hardcopy and electronic format of all architectural practices registered in Malaysia as a reference and a guide to the general public. This event was commemorated by a simple signing

ceremony on the hardcover special editions by Y.Bhg Dato' Sri Mustapha Mohamed, Minister of International Trade and Industry of Malaysia.

Overall, the exhibition was generally regarded as specialized event with a turnout from more targeted visitors coming for their specific needs in the various services cluster. The activities and the programmes for the three-day exhibition included a series of forums on the first day followed by the International Partner Matchmaking meetings on the second day as well as industry workshops on its final day. PAM participated in one of the forums highlighting the global agenda "Going Green in the Building Industry" held together with Professional Services Development Corporation (PSDC) and Construction Industry Development Board (CIDB) and Pusat Tenaga Malaysia (PTM) where our President Ar Boon Chee Wee presented a paper entitled "The New Design and Creative Economy".

In conclusion, MSE Dubai 2010 can be regarded as one of the first steps for local architects who have considered exporting their services abroad particularly in the Gulf region where the market potential now goes beyond Dubai which includes countries like Qatar, Oman, Bahrain, Jordan, Lebanon and Syria. In most of these countries, the projects would invariably require a joint venture or work in collaboration with the local service provider and MSE Dubai 2010 is a valid platform for this to occur especially with the support from MATRADE in terms of grants, market knowledge and logistics.

Prepared by  
**Ar Azmil Abdul Azmi**  
International Affairs Committee



**ARCHITECTS  
MALAYSIA** PAM  
2009/2010

**LAUNCHED ON 13 APRIL 2010**  
BY

The Hon. Dato' Sri Mustapha Mohamed  
Minister of International Trade and Industry of Malaysia

In conjunction with MSE 2010,  
Dubai International Convention and Exhibition Centre, UAE



PAM Gold Medalist Lectures 2010

# Retrospection... & Rethinking the Future of Environmental Design & Architecture

by YBhg Datuk Seri Ar Lim Chong Keat, PAM Gold Medalist 1997

28 April 2010\_National Art Gallery Malaysia, Kuala Lumpur



Ar Lee Chor Wah & Datuk Seri Ar Lim Chong Keat



1971: CAPU (Central Area Planning Unit) Action Plan for Komtar and Heritage



1973: Initial urban planning concept for Penang Urban Centre (Komtar)

The lecture was Datuk Seri Ar Lim Chong Keat's personal reminiscences and experiences in architectural education and practice, followed by his views on the state of planning and architecture – and his perception of the real problems and challenges in development and governance that impede professional work in the local and global context – including examples from Penang, Singapore – and of the wastefully extravagant “iconic” fashions that seduce the hyper – capitalist world.

Datuk Seri Ar Lim Chong Keat has had an active career as an Architect and Urban Planner in the firms he founded: Malayan Architects Co-partnership and Architects Team 3 / Jurubena Bertiga. Even before retiring from professional practice in 1995, he has over the last twenty years been dedicating himself to Botanical Research and Plant Conservation, with a special interest in Palms and Gingers, and other native flora of Malaysia.

He was born in Penang in 1930, studied at the Penang Free School, with professional degrees from the University of Manchester (B.A. Hons Arch, first class) and the Massachusetts Institute of Technology (M.Arch.); he won several awards including the Heywood Medal, Rome Scholarship Finalist and the Commonwealth Fund (now Harkness) Fellowship. He helped to establish the first school of Architecture in Singapore and was President of the Singapore Institute of Architects, also serving on several public boards including the Singapore Housing & Development Board and the UN Panel for State & City Planning, and in Malaysia: the National Art Gallery, Penang Museum and other public committees. He was the Founder Chairman of the Architects Regional Council Asia, and Chairman of the Commonwealth Association of Architects Board of Education. In 1995, he was appointed as a Visiting Professor at the University of Manchester, and also as Quatercentenary Visiting Fellow to Emmanuel College, Cambridge. In 1997, he was conferred an LL.B. (honoris causa) from the University of Manchester, and the prestigious Gold Medal of PAM (Malaysian Institute of Architects).

He maintains an active interest in Architecture and Design, Art, Anthropology, Music and also in the work of his great friend Richard Buckminster Fuller. He has served as the Chairman of the Malaysian Forestry Research & Development Board (FRIM) in 2001-2004, and has taken part and contributed to the findings of many expeditions by the Forestry Department and by the

Academy Sciences Malaysia.

He began to research in earnest on Malaysian palms and flora c. 1988 with extensive fieldwork under the project Palm Search Malaysia, which was followed by the programme: Saving Endangered Flora, which brought him into the taxing (and arguably protectionist) world of botanical taxonomy and plant conservation. Since 2000, he has funded and published a serious referential journal, *Folia malaysiana*, “A Magazine devoted to Botanical Knowledge, inspired by the Cultural, Environmental & Floristic Heritage of Malaysia and its Neighbours”, which has been publishing significant accounts of new species from the region; the journal is now carried by the major botanical institutions worldwide. Datuk Seri Ar Lim Chong Keat himself has published accounts of more than 26 new species of palms (including *Areca tunku*, *Iguanura belumensis*, *Pinanga jamariensis*), and more than 35 species of gingers (e.g. *Alpinia mythiana*, *Alpinia suriana*, *Elettariopsis elan*, *Etingera apus-hang*) and a new endemic genus *Kedhalia* (monotype: *Kedhalia flaviflora*), and latterly, other flora of the genera *Amorphophallus* and *Trichosanthes* - widening his concern for rare or threatened native plants. He has also published in other botanical journals such as the *Singapore Gardens' Bulletin and Principles* (now *Palms*), the journal of the International Palm Society. He has also presented many lectures on Malaysian flora at seminars organised by the ASM, Forestry Dept, UKM and USM - and also internationally at the International Palm Society Conference, International Zingiberaceae Symposium, Flora Malesiana Conferences, Indian Association of Angiosperm Taxonomy Conferences, and at Leiden Herbarium and at Huntingdon Gardens.

Apart from gaining an extensive knowledge of the plants he studied in the wild, and of their survival status (which he monitors regularly), he began to establish and fund (modestly) an ex situ conservation garden, to study and propagate the rare and endangered species - and several new taxa yet undescribed. Currently, the *Folia malaysiana* Research & Conservation Project at Suriana Gardens (in Balik Pulau, Penang) has built up a significant collection of native plants, that may well be unparalleled in Malaysia (and of course worldwide). Concomittantly, Datuk Seri Ar Lim Chong Keat has been supporting a group of his Temiar collectors workers, by a cooperative enterprise called “AdanA” for their benefit and advancement, with authentic village housing for them.

# Executive Summary of The Minutes of the Seventh Meeting of PAM Council 2009-2010

16 April 2010\_PAM Centre, Kuala Lumpur

Ar Jerry Sum briefed Council that the authors have decided to change the title from "Guidebook" to "Handbook".

Council agreed that Pusat Binaan shall manage the publication and sale of the Handbook.

The Committee proposed and Council agreed to continue to organise the **PAM Chinese New Year** and **PAM Hari Raya Aidil Fitri Open House**. The Aidil Fitri Open House is planned to be held on 2 October 2010.

**Adaptive Re-use Design Competition for Students** - The Committee noted Council's suggestion to use a building in Penang; however the Committee decided that a building in Kuala Lumpur would be easier for majority of the students.

**12th International Architecture Exhibition of the Biennale di Venezia** - MATRADE had submitted on behalf of PAM/Malaysia the application to participate in the 12th International Architecture Exhibition of the Biennale di Venezia, and the Fondazione La Biennale di Venezia had accepted the application and allocated to us a site at Arsenale, Venice, Italy. PAM had written to several Ministries to request for funding.

**UIA Professional Practice Commission Implementation Task Force** - The UIA Council had endorsed Dato' Ar Haji Esa Mohamed as the Chairman of the UIA Professional Practice Commission Implementation Task Force.

**Collapse of Roof at Stadium Sultan Mizan Zainal Abidin in Terengganu**- PAM had written to the Menteri Besar of Terengganu to obtain the official report on the collapse.

Council decided that the Professional Practice Committee would review the official report issued by the State government upon receiving it and make a recommendation to Council to establish whether a PAM Member is implicated in the report.

**Architects Malaysia** - Ar Boon Che Wee expressed thanks to Ar Saifuddin, Ar Wan Sofiah, and staff of Pusat Binaan and PAM for the publication.

## **PAM's position on architecture education**

Ar Boon Che Wee suggested for the Education Committee to report on this, so that Council may address this immediately.

He also reminded the Committee to convene a PAM meeting with the Heads of Architecture Schools in Malaysia, as planned earlier.



PAM is pleased to announce the launch of "HANDBOOK FOR PAM CONTRACT 2006" authored by Ar Tan Pei Ing, Sr Low Khian Seng, Ar Jerry Sum Phoon Mun and Ar Chee Soo Teng.

This 500-page book by the same core authors of the PAM 2006 Suite of Contracts is an essential companion to all who are involved in construction in Malaysia. It explains all the clauses in the PAM 2006 Contract in simple language. Case law decisions are used to illustrate principles used to shape the PAM 2006 Contract.

The book comes supplemented with samples of proformas for certificates, instructions etc required to be issued under the contract as well as samples of collateral warranties, Nominated Supplier agreement and adjudication rules. Included in the book is also a coloured appendix of the text changes from PAM 98 to PAM 2006 to help those migrating from the older form to the current form to identify where changes have been made.

# Other Highlights

03/04/2010

Roadshow to Politeknik Port Dickson,  
Negeri Sembilan  
Port Dickson, Negeri Sembilan



12/04/2010

Taylor's University College Visit to  
PAM Centre  
PAM Centre, KL



14/04/2010

Professional Practice Dialogue  
Activists in Architecture  
by Ar Philip Chang Foh Phing  
PAM Centre, KL



Ar Jasmin Kamarudin and Ar Philip Chang Foh Phing

17/04/2010

PAM CPD Seminar  
"The Business of Architecture:  
A Discussion on the 'Key Factors  
for Success' (KFS)  
by YBhg Dato' Ar Dr Kenneth Yeang  
King Mun  
PAM Centre, KL



YBhg Dato' Ar Dr Kenneth Yeang

17-18/04/2010

Part III Professional Examination  
Workshop  
Kuala Lumpur Multimedia University



Ar Henry Lee Inn Seong with participants



Ar Abu Zarim Abu Bakar with participants

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