

FIRST ANNOUNCEMENT

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9TH MALAYSIAN ROAD CONFERENCE 2014 and PIARC INTERNATIONAL SEMINAR ON SLOPES, ROAD FOUNDATION DRAINAGE AND STORM WATER MANAGEMENT

“Greening Our Roads”

- **Sunway Pyramid Convention Centre
Petaling Jaya**
- **10 – 12 November 2014**



• **Best Paper Awards**

• **Road Engineering Excellence Award 2014**

• **20 CPD hours for professional engineers
registered with BEM**

Jointly organised by:



Ministry of Works,
Malaysia



Public Works
Department, Malaysia



Malaysian Highway
Authority



Construction Industry
Development Board



Road Engineering
Association of Malaysia



Chartered Institution of
Highways and Transportations
(Malaysian Branch)



Intelligent Transport System
Association of Malaysia

Supported by:

Joint Welcome Message



Dato' Seri Ir. Haji Mohd. Noor Yaacob
Adviser



Dato' Ir. Haji Baharanuddin Che Zain
Joint Organising Chairman



Dato' Ir. Dr. Ashaari Mohamad
Joint Organising Chairman

2
“Revolving around the theme GREENING OUR ROADS, the programme for this event will focus on the challenges that the transportation industry is facing and will face to achieve sustainable road infrastructure.”

On behalf of the Organising Committee, we are pleased to invite you to the 9th Malaysian Road Conference and PIARC International Seminar on Slopes, Road Foundation Drainage and Storm Water Management which will be held in Kuala Lumpur, Malaysia from 10 to 12 November 2014.

The objective of the joint event is to explore many possible key areas of sustainable green roads. It is a must-attend event for the road administration, construction industry, academicians, research institutions, and other transport related societies where delegates will have the opportunity to gain new knowledge and share experiences.

Revolving around the theme GREENING OUR ROADS, the programme for this event will focus on the challenges that the transportation industry is facing and will face to achieve sustainable road infrastructure. This timely event will therefore provide a platform for the meeting of the minds and hearts of road practitioners in emerging issues and latest developments to achieve a better balance between road industry activities and environmental conservation. The organisers are also inviting world class speakers and experts to grace the event and share their knowledge and experiences with the delegates.

There will also be an exhibition showcasing the latest developments in green road management. We hope this event will enrich and greatly benefit everyone and be a gateway for best practices in road management towards sustainable infrastructure.

Finally, on behalf of the Organising Committee, we sincerely hope that you will join us in Kuala Lumpur in November 2014 to make this endeavour of ours a resounding success. To our overseas delegates, we wish to encourage you to take this opportunity to extend your stay here to savour the variety of attractions that are being organised in conjunction with Visit Malaysia Year 2014 in and around Kuala Lumpur, the Garden City of Malaysia, in particular and the whole country in general.



CONFERENCE *background*

The biennial Malaysian Road Conference (MRC) held since 1994 has emerged as the premier national and regional platform for presenting research findings, discussing and exchanging ideas on cutting-edge technologies relating to the development, construction, management and maintenance of roads, highways and related infrastructure. The MRC is a much sought after event for those involved in the finance, design, construction and maintenance of road engineering projects.

The Malaysian Road Conference 2014, currently ninth in its series, which is jointly organised by the Ministry of Works, Malaysia, Public Works Department of Malaysia, Malaysian Highway Authority, Construction Industry Development Board and the Road Engineering Association of Malaysia (REAM) has been scheduled from 10 to 12 November 2014. It is supported by the Chartered Institution of Highways and Transportation (Malaysian Branch) and Intelligent Transport System Association of Malaysia (ITS Malaysia).

More than 30 local and international papers will be presented and discussed at the technical and workshop sessions with one special lecture by an international expert each day. Senior managers and leading practitioners in road engineering from corporate sector organisations including officials from the government will present up to date, highly relevant and practical information on the increasingly complex road environment. The technical programme, which will include the PIARC International Seminar papers, is very flexible with a choice of speaking streams or workshops on each day. Delegates may freely swap between both streams.

CONFERENCE *concurrent event*

For the first time since its first hosting in 1994, the MRC will be held simultaneously with the PIARC International Seminar on Slopes, Road Foundation Drainage and Storm Water Management. This seminar is held under the auspices of PIARC Technical Committee 4.4.2 Slope and Foundation Drainage and Storm Water management.

PIARC *in brief*

The forerunner of the renamed World Road Association, Permanent International Association of Road Congresses (PIARC) was established in Paris in 1909. Though a name change had taken place, the acronym PIARC had been retained. Today, more than a century later, this association has some 142 member countries worldwide, including Malaysia. PIARC is dedicated to foster and facilitate discussion and knowledge sharing on roads and road transport and retains consultative status to the Economic and Social Council of the United Nations.

CONFERENCE / SEMINAR *theme*

“GREENING OUR ROADS”

The continuous degradation of the environment resulting in the diminishing of critical habitats and ecosystems that support human life is raising concerns worldwide. Innovative cutting edge technologies in design and construction methodologies are in dire need to protect this planet's biodiversity from the encroachment of widening network of road infrastructure arteries. For the survival of mankind, for now and in the future, it is imperative that greater focus is directed toward building the infrastructure in harmony with nature with sustainable materials and socially sensitive actions that safeguard air, land and water and human resources. The technical sessions in this conference and seminar have been formulated to find answers and face the challenges ahead.

MALAYSIA 2014: *A must visit destination*



3

Visit Malaysia Year 2014 is the country's biggest and grandest tourism celebration. In tandem with its well-publicised tagline *Malaysia Truly Asia*, a phenomenal line-up local and international events, an extravaganza of colourful traditional and modern festivities and exciting sales with massive discounts have been programmed throughout the country all-year round.

Malaysia, situated in central Southeast Asia comprising 12 states in Peninsular Malaysia and two in the north coast of the island of Borneo across the South China Sea is blessed with an exotic mix of million-year old rainforests housing an abundant variety of fascinating fauna and flora, island resorts and sandy beaches, cool hill stations and breathtaking sky-crappers and charming heritage buildings. This nation, a melting pot of Malay, Chinese, Indian and indigenous people of Sabah and Sarawak with their own unique traditions and cultural festivals, is an inspiring testimony to unity in diversity.

Come participate in this conference and seminar and savour the warmth of Malaysian hospitality. Spoil yourselves in the world class facilities, immerse yourselves inside the bewildering range of shopping malls and treat your palates with the tantalising flavours and textures of local and international cuisines.

CONFERENCE / SEMINAR *venue*

The joint event will be held at the Sunway Pyramid Convention Centre in the city of Petaling Jaya located in the suburbs of Malaysia's capital city of Kuala Lumpur. Fondly called PJ, this vibrant city is a haven boasting a potpourri of gastronomic delights, shopping treasures and exhilarating entertainment destinations including a theme park within and in the vicinity of the venue.

TECHNICAL PAPERS *invitation*

Papers are invited from local and international authors, among others, encompassing the following streams in tandem with the conference / seminar theme **GREENING OUR ROADS**:

Design and Construction	Pavement	Geotechnical Innovations
Slopes	Highway Planning	Storm Water Management
Asset Management	Road Foundation Drainage	Transportation
Intelligent Transport System	Finance	Safety and Environment

Papers shall be submitted in two stages, first as an **abstract** and then as a **full paper** after the abstract has been accepted. Papers submitted should be original and have not been published and/or presented elsewhere.

4

Format for abstracts:

- All submissions must be in **English** and about 300 words in length.
- Double spacing on A4 size paper (210mm X 297mm) in Microsoft Word (PC) or PDF format.
- Author/co-author/s name/s, title/s, position/s, organisation/s and contact address/es (including email address/es) should be provided in the abstract.
- The presenting author's name must be underlined.
- Submission of email address/es is essential. Most, if not all correspondences, shall be carried out via email.

Deadline for abstracts:

1 March 2014

Deadline for full paper:

Authors will be informed of the acceptance of their abstracts via email by **15 April 2014**.

Deadline for full paper submission is **1 July 2014**

Submission of abstracts and full papers:

All abstracts and full papers must be submitted to the **Technical Programme Committee**,

Email: technicalpapers@9mrc.com / **Tel:** +603-2618 4580 / **Fax:** +603-4041 2013

Awards for outstanding papers

The following two awards have been introduced with the objective encouraging greater participation by Malaysians:

- Cash awards will be presented to outstanding papers from Malaysian authors and
- Malaysian undergraduate, masters and doctoral students currently pursuing their relevant disciplines in both local and overseas institutions of higher learning.

Disclaimer

The invitation to submit an abstract / full paper does not constitute an offer to pay travel, accommodation or registration costs associated with the conference / seminar. By submitting an abstract, you will be granting the Organising Committee permission to publish the abstract and the subsequent full paper in the Conference Proceedings.

AUDIENCE targeted

The joint event is programmed to invoke interest in all those in the road industry, be they road concessionaires, expressway regulators, related government authorities, consultants, contractors, project managers and engineers from public and corporate sector organisations. Based on the overwhelming response to the past eight MRCs, some 700 local and overseas delegates are expected to register for this much awaited event. Overseas delegates will have the invaluable opportunity of sharing the Malaysian experiences in the various fields of road engineering.

Continuing Professional Development (CPD) Programme

Participating professional engineers registered with Board of Engineers, Malaysia will be entitled to 20 CPD hours.

REGISTRATION fee

Delegates		Speakers	
Early bird (until 15 August 2014)	RM 1,300.00	Regular	RM 1,000.00
Regular (from 16 August 2014)	RM 1,500.00	Students	Free
Walk-in	RM 1,800.00		
Students	RM 500.00		

Note:

- Registered delegates' entitlement: Conference / seminar kit, attendance at the opening and closing ceremonies, all technical sessions and workshops, exhibition, one technical tour and refreshments provided during the conference.
- Paying delegates can web check-in for the conference attendance seven (7) days before the conference. However, the conference / seminar kit can only be collected at the registration counter on the conference days.
- Registrations (walk-in) **after 5 November 2014** can only be done on-site.
- Students are required to submit an official letter from their respective university confirming their status as current students and present their student cards at the conference / seminar registration desk.

Registration cancellation policy

Cancellation cut-off dates	Refund
Cancellations received on or before 15 March 2014	90% refund of amount paid
Cancellation received between 16 March 2014 - 30 Sept. 2014	75% refund of amount paid
Cancellation received on or after 1 October 2014	No refund

Note:

- Any intended cancellation should be notified in writing to the Registration Committee at registration@9mrc.com
- All due dates are based on Malaysian Standard Time (GMT+8)

Prompt action in registering before the 15 August 2014 dateline will enable participants to benefit from the reduced registration fee offered and obtain firm confirmation for their choice of technical visits, each of which has limited seats.

For further enquiries, please contact:

Email: registration@9mrc.com Tel: +603-2618 7261 / 4685 / 4554 / 4511 • Fax: + 603-4041 1993

EXHIBITION *participation*

Road industry entrepreneurs are invited to participate in the exhibition held simultaneously with this joint conference and seminar which will enable them to reinforce their respective organisation's role as a leader by showcasing their expertise, products and services and innovative outcomes to an interested, relevant and influential audience.

Exhibitions are pivotal to an integrated marketing strategy as they provide the springboard for:

- Promoting an organisation's achievements and unique contributions to the industry
- Networking with targeted key decision makers from public and corporate sectors
- Establishing new contacts and exchanging ideas and views
- Tapping into expertise brought forth by the conference / seminar

More than 80 spaces measuring 3m x 3m have been made available. Exhibitors have the choice of opting for the standard shell scheme measuring nine (9) sq. metres or the raw space for which a minimum of 18 sq. metres must be requested.

Booking rates for shell scheme and raw space

Booth Type & Specifications Facilities provided for standard shell scheme measuring nine (9) sq. metres (3m x 3m)	Early Bird Rates Confirmation and full payment by 15 August 2014	Regular Rates Confirmation and full payment by 15 October 2014
<ul style="list-style-type: none"> • Side / back panels and fascia board with exhibitor's name • One table • Two (2) units folding chairs • One (1) unit 13 amps single phase socket • Two (2) units 40w fluorescent lights • One (1) waste paper basket 		
Platinum	RM 10,800	RM 12,000
Gold	RM 9,000	RM 10,000
Silver	RM 7,200	RM 8,000
Bronze	RM 5,400	RM 6,000
RAW SPACE Upon request for a minimum of 18 sq. metres (2-booth size)	RM 630 per sq. metre	RM 700 per sq. metre

To view the layout, location of booth types and numbers and to download the participation form, please visit www.9mrc.com

Exhibitor entitlements

- One (1) free conference / seminar registration for each booth taken.
- Exhibitor profile not exceeding 100 words will prominently appear in the Exhibitor Show Directory
- Two (2) exhibitor passes for each booth taken.

SPONSORSHIP *opportunities*

This conference / seminar offers exciting avenues ranging from partnerships, event activities such as provision of refreshments, kit materials in the form of bags, writing pads, delegate gifts, advertising etc. There is a choice for all sizes of marketing budgets. Create a strong presence by being a sponsor in this joint event.

For further information, please contact:

Email: exhibitionsponsorship@9mrc.com Tel: +603-8738 3042 • Fax: +603-8747 4035



ROAD ENGINEERING EXCELLENCE AWARD

2014



8

Introduction

The Road Engineering Association of Malaysia (REAM) invites entries for its Road Engineering Excellence Award, which will be conferred in conjunction with the Malaysian Road Conference. This award was introduced to confer recognition to the most outstanding road engineering project built within Malaysia. The Road Engineering Excellence Award 2014 will be presented at the 9th Malaysian Road Conference / PIARC International Seminar. This prestigious award was first introduced in 2002.

Objectives of the award

- a. To recognise outstanding achievements in road engineering in terms of project function, design, construction and operation.
- b. To promote the development of quality built environment that contributes towards economic and social development of the country.
- c. To promote public awareness of outstanding road engineering projects.

Award eligibility

The following types of projects, singularly or in combination, are eligible for consideration:

- i. Roads / Highways
- ii. Bridges
- iii. Tunnels
- iv. Structures related to roads / highways

The project must be built within Malaysia, completed and operational during the period January 2012 – June 2014.

Award criteria

- a. Contribution towards the economic and social wellbeing of the community served by the project in particular, and the nation in general.
- b. Resourcefulness and innovation in planning, design, construction and solution of problems.
- c. Safety features and operational safety record.
- d. Preservation and protection of environment.
- e. Pioneering use of materials and methods, particularly those of Malaysian origin.
- f. Incorporation of futuristic and aesthetic values.

Award

The Award consists of one challenge trophy, three replicas and three certificates. The Project Owner, the Principal Designer and the Principal Contractor of the winning project shall each be awarded a replica and a certificate. The Project Owner shall be entitled to keep the challenge trophy for a period of six (6) months, after which it shall be returned to REAM.

Presentation of award

The Road Engineering Excellence Award 2014 is expected to be presented by the Minister of Works, Malaysia at the opening ceremony of the 9th Malaysian Road Conference / PIARC International Seminar.

How to enter

Entries in typewritten form must contain the following data:

- Name of owner
- Name of project
- Location of project
- Date fully operational
- Name of principal designer
- Name of principal contractor
- Name, address, telephone / fax nos. of person / organisation submitting the entry

A brief on the project on two (2) single-sided A4 size paper containing not more than 500 words with the following descriptions:

- Why the project should be considered for this award
- The purpose of the project
- The design approach
- Reasons for the method of construction and
- Any other details considered relevant to the judging criteria

Entries should include, if available, the following to illustrate the salient features of the project:

- Layout plan (on A3 size paper)
- Progress photographs
- Video clippings from implementation to completion

A short edited version of the video clippings / photographs of the winning entry may be projected during the award presentation ceremony.

Panel of judges

A panel of not less than three (3) judges comprising prominent personalities in the road engineering industry will be invited to review and select the winning entry.

The panel of judges shall have absolute discretion to accept or reject entries that do not comply with the requirements of the rules. The judges' discretion shall be absolutely final and binding on all entries and no discussion or correspondence whatsoever relating to any of the judges' decision shall be entered into.

Closing date

All nominations must arrive **no later than 30 June 2014** at:

Secretariat for Road Engineering Excellence Award
Road Engineering Association of Malaysia
46A, Jalan Bola Tampar 13/14
40100 Shah Alam, Selangor

Email: REAM@po.jaring.my

Tel: +603-5513 6521 / 6522

Fax: +603-5513 6523

TECHNICAL VISIT venues

An enlightening schedule of technical visits has been arranged to showcase Malaysia's efforts to meet the accelerating demands for an efficient road and transportation infrastructure. Delegates are requested to select **one (1) visit** of their choice.

Technical Visit 1



Malaysian Highway Authority (MHA) Traffic Management Centre

Delegates will be briefed and given a tour of the Malaysian Highway Authority (MHA) Traffic Management Centre which integrates individual traffic control centres of all privatised highway operators in Malaysia. It is also the first control centre that is equipped with state-of-the-art ColorRAYTM system, a software based LED lighting solution that ensures maximum comfort and productivity for highway operators.

Technical Visit 2



North South Expressway (PLUS) Traffic Monitoring Centre

The PLUS Traffic Monitoring Centre will provide in depth view on the operations and management of the most sophisticated traffic monitoring centre in Malaysia which operates 24x7 to provide traffic and incident reporting and driver assistance. PLUS operates and maintains some 973-kilometre length of expressways.

Technical Visit 3



Stormwater Management and Road Tunnel (SMART)

SMART is one of Malaysia's finest engineering showcases and world's first combined stormwater management and road tunnel. This project was conceived to mitigate floods in the Kuala Lumpur city centre. Delegates will be able to tour the operations control room equipped with the latest systems in operations management, surveillance and maintenance.

Technical Visit 4



MY Rapid Transit (MRT) (Under construction)

The MRT project is a three-line mass rapid transit system within the Klang Valley. It is currently the largest ongoing infrastructure project in the country. When fully commissioned in 2017, the MRT will significantly improve the coverage of rail-based public transport in the area. The construction of the first 51 km line will run from Sungai Buloh in the northwest to Kajang in the southeast of the federal capital of Kuala Lumpur.

Technical Visit 5



Light Rail Transit (LRT) – KL Monorail

The KL Monorail system with 21 stations running 8.6 km on two parallel elevated tracks connects the Kuala Lumpur Sentral transport hub with the city's prime 'golden triangle' business area. This line was integrated with other lines and stations after they were physically linked up, allowing transfers without the need to buy new tickets.

Technical Visit 6



Ministry of Works Second Building

The Ministry of Works second building, rated Platinum under Green Building Index (GBI), is a 37-storey office tower standing 210m tall with a 7-storey elevated car park podium. The fluid tower required both exceptional construction and design methods to execute its complex geometry. With a triangular footprint that tapers upward into a leaf-shaped roof at the top, the verticality of the tower is enhanced by introducing external fins to the building's envelope. The intricacy of the facade treatment with alternate glazing modules offset in and out, not only acts as a natural sun-shading device but also accentuates the building's curvature, expressing a jewellery-cut effect.

This building, among others, features rainwater harvesting and energy efficiency fittings. Special monitoring service systems have been incorporated and to maintain a sustainable life of the building, users will be encouraged to be proactive in keeping the building green for a healthier working environment. The tower is set to create an exemplar for other future buildings.

Technical Visit 7



An artist impression of the viaduct

Rawang Bypass (Under construction)

The Rawang Bypass project involves the construction of a new road alignment to bypass a section of Route 1 that currently passes through the busy Rawang town. This new alignment runs along the eastern side of town and cuts through a hilly and environmentally-sensitive forested heritage park which has been a traditional location for family outings, nature lovers and eco-tourists. Major mitigation initiatives were considered in its engineering design, including the construction of a viaduct and localised cutting of the slopes. Movement of wildlife is possible below the entire stretch of the viaduct. A careful construction methodology is being used with the view to mitigate disturbance to the existing environment and ecosystem during construction.

Technical Visit 8



Kuala Lumpur International Airport (KLIA) 2

The KLIA 2, rated Silver under the Green Building Index (GBI), is a new terminal constructed to replace the nearby temporary low-cost carrier terminal. This is the largest low-cost carrier terminal in Southeast Asia with a total area of 242,000 square meters.

Delegates will be briefed on its various features including multi-modal transportation hub for buses, taxis and Express Rail Link (ERL) which provide connectivity for passengers and public at large. One other highlight will be the 300-meter long pedestrian sky-bridge which connects the international and the domestic piers. This modern sky-bridge is the longest in Asia and the third longest in the world where passengers will experience the 'walking over' of aircraft as compared to the present KLIA where travellers are required to take the aero-train.

Technical Visit 9



Sunway Resort City

Sunway Resort City is an engineering *tour de force* which has garnered global recognition, and is certified by Green Building Index (GBI) as Malaysia's first green township. Located in the suburbs of Kuala Lumpur, this city is flanked by world class facilities, and attracts some 40 million visitations every year. It comprises an enviable portfolio of more than 7,000 residential, and commercial units, in addition to the multi award winning hospitality, retail, leisure, healthcare and education components.

Sunway Resort City had developed an integrated resort city epitomising the hallmark "resort living within a city" in which a legion of communities live, work, study, play and shop.

For further enquiries please contact:

Email: technicalvisits@9mrc.com Tel: +603-6145 1500 • Fax: +603-6145 1400

ACCOMMODATION choices

12

There are numerous hotels with various star ratings within the vicinity of Sunway Pyramid Convention Centre (SPCC), the conference / seminar venue. Delegates wishing to stay in the following hotels closest to the venue are requested to communicate **directly** with the hotels for their requirements

Sunway Resort Hotel & Spa

(directly linked to SPCC)

Tel: +603-7492 8000

kualalumpur.sunwayhotels.com

Pyramid Tower Hotel

(directly linked to SPCC)

Tel: +603-7492 8000

kualalumpur.sunwayhotels.com

Dorsett Grand Subang

Tel: +603-5031 6060

www.dorsetthotels.com/malaysia/subang

Holiday Villa Hotel & Suites

Subang

Tel: +603-5633 8788

www.holidayvillahotelsubang.com

Summit Hotel

Subang USJ

Tel: +603-8023 3000

www.summithotelusj.com



For further details, please contact:

Email: accommodation@9mrc.com Tel: +603-2771 4221 Fax: +603-2711 3975