

*Supported by*



**Training Workshop on  
MAINTENANCE of INFRASTRUCTURE  
25<sup>th</sup> to 28<sup>th</sup> July 2016  
Kuala Lumpur, Malaysia**



**Organized by:**

**Malaysian Service Providers Confederation (MSPC)  
International Science, Technology and Innovation Centre  
for South-South Cooperation under the Auspices of UNESCO (ISTIC)**

**Supported By:**

**United Nation Education, Scientific and Culture Organization (UNESCO)  
Malaysian Highway Authority (MHA)  
Construction Industry Development Board Malaysia (CIDB)  
The Institution of Engineers, Malaysia (IEM)  
Master Builders Association Malaysia (MBAM)  
Indah Water Konsortium (IWK)**

## **INTRODUCTION**

Supportive Global Economy is crucial for Developing Countries; as such the United Nations (UN) has formulated the United Nations Sustainable Development Goals (SDGs, a total of 17). This training workshop will illustrate the fundamentals of Maintenance of Infrastructure as one of the key to satisfy the SDGs.

Infrastructure maintenance has an integral role which covers the following seven of the SDGs Goals.

SDG 3	Good Health and Wellbeing	SDG 9	Industry, Innovation, Infrastructure
SDG 4	Quality Education	SDG 11	Sustainable Cities and Communities
SDG 6	Clean Water and Sanitation	SDG 12	Responsible, Consumption and Production
SDG 7	Affordable Clean Energy		

Infrastructure maintenance will sustain the life of major assets. When provided too soon or too late, it will incur unnecessary costs, compromise safety and the asset's economic life span.

Prudent investment will promote economic return; create jobs, human capital development and enhance the environment which captures the following nine of the SDGs goals.

SDG 1	No Poverty	SDG 13	Climate Action
SDG 2	Zero Hunger	SDG 14	Life Below Water
SDG 5	Gender Equality	SDG 15	Life on Land
SDG 8	Decent Work and Economic Growth	SDG 16	Peace, Justice Strong Institution
SDG 10	Reduce Inequalities		

At the current status there is limited infrastructure maintenance budget for the developing countries but budget for new infrastructure is always available.

Ascertain Institutional Framework on Infrastructure Maintenance (e.g. roads, water, sanitation and buildings) and good practices for planning, designing and implementing maintenance programmes will be highlighted. Based on maintenance standards, budgeting norms will be developed to facilitate accurate long-term maintenance budget forecasting, taking into account the type, age and condition of the infrastructure.

This workshop in actual fact concludes the final SDGs, 'SDG 17 - Partnership for the Goals' where Malaysia is taking a lead. The programme covers the Malaysian Ascertain Institutional Framework on Infrastructure Maintenance; assessment needs, planning, execution, including financial planning and budgetary control.

## **THE OUTCOMES OF THE TRAINING WORKSHOP**

- Consensus on the benefits of planned maintenance;
- Have the basic knowledge and motivation to promote the maintenance culture for its seamless implementation,
- Essential insights into the trend, technology and financing for maintenance of major infrastructures;
- Become members of the ISTIC alumni for infrastructure maintenance, and
- Be aware of the engineering related opportunities in the host country and contact assistance to undertake an infrastructure maintenance programme.

## **DURATION OF THE TRAINING WORKSHOP**

The training workshop will be held for three and half days from **25<sup>th</sup> to 28<sup>th</sup> July 2016**

## **VENUE OF TRAINING WORKSHOP**

### **Hotel Sri Petaling**

30 Jalan Radin Anum  
Bandar Baru Sri Petaling  
57000 Kuala Lumpur, Malaysia

## **LOCAL PARTICIPANTS**

Participants from the Private and Public sectors involved in Infrastructure Maintenance are encouraged to attend this training workshop. Numbers of participants would be limited to a maximum of 30 participants in this workshop. The combination of participants from ASEAN, South countries and Malaysia will allow for an exchange of knowledge, ideas and experiences as well as opportunities for discussions, networking and possible collaboration.

A payable fee of **RM 1,500.00** per participant is required from the local participants.

## **WHO SHOULD ATTEND (LOCAL PARTICIPANTS)**

Leading and eminent management personnel involve in infrastructures maintenance that are interested in networking with the ASEAN and South countries.

## **APPLICATION AND ENQUIRIES**

- 1) Applicants are requested to apply using the online application;  
**<http://goo.gl/forms/5fLgflACHm2okJ8y1>**
- 2) Applicants are also welcome to apply using the application form attached if you have difficulty in using the online application process.

### **Secretariat - Training Workshop on Maintenance of Infrastructure**

ISTIC, c/o Academy of Sciences Malaysia  
902- 4, Jalan Tun Ismail  
50480 Kuala Lumpur, Malaysia

Tel: +603-2694 9898

Fax: +603-2698 4549

Email: [adzim@istic-unesco.org](mailto:adzim@istic-unesco.org) (Mr. Abdul A'dzim Abd Rashid)

Email: [eddietsng@yahoo.com](mailto:eddietsng@yahoo.com) (Ir. Eddie TS Ng)

Website: [www.istic-unesco.org](http://www.istic-unesco.org)

Application form also can be downloaded from [www.istic-unesco.org](http://www.istic-unesco.org) or [www.mspc.my](http://www.mspc.my)

## **CLOSING DATE OF APPLICATIONS**

All applications should be submitted to the ISTIC secretariat office before **31 June 2016**

ISTIC or MSPC will inform the successful applicants to the training workshop not later than **25 June 2016**. Applicants who do not receive word within this date are rendered unsuccessful.

## PROGRAMME

MONDAY - 25 July 2016	
0800 – 0900 hrs	<ul style="list-style-type: none"> <li>▪ <b>REGISTRATION</b></li> <li>▪ <b>ARRIVAL OF VIPS AND GUESTS</b></li> <li>▪ <b>OPENING CEREMONY</b></li> </ul>
0900 – 0915 hrs	Welcoming Speech By: <b>Academician Dato' Ir. (Dr.) Lee Yee Cheong FASc</b> <b>Chairman of ISTIC Governing Board</b>
0915 – 0930 hrs	Official Opening By: <b>YB Dato' Sri Haji Fadillah Haji Yusof</b> <b>Minister of Works Malaysia</b>
0930 – 1000 hrs	Keynote Lecture 1 By: <b>Y.Bhg. Dato' Ir. Ahmad Asri Bin Abdul Hamid</b> <b>Chief Executive, CIDB Malaysia</b> <i>Topic: <b>Overview of Legislative Framework Infrastructure Maintenance in Malaysia</b></i>
1000 – 1010 hrs	Group Photo
1010 – 1030 hrs	Morning Tea Break
1030 – 1200 hrs	Panel Session 1  Chairman: <b>Ir. Choo Kok Beng FASc</b> <b>President of MSPC</b> <i>Theme: <b>Ascertain Malaysian Legislation on Infrastructure Maintenance</b></i>  Panel Speaker: <b>Representative of Malaysian Highway Authority</b> <i>Topic: <b>Ascertain Institutional Legislation for Highway Maintenance</b></i>  Panel Speaker: <b>Ir. Mohd Adnan Md Dom,</b> <b>HOD Planning and Engineering of IWK</b> <i>Topic: <b>Ascertain Institutional Legislation for Sewerage Treatment</b></i>  Panel Speaker: <b>Representative of The Institution of Engineers Malaysia</b> <i>Topic: <b>Ascertain Institutional Legislation for Privately Owned High Rise Buildings</b></i>  Questions and Answers Session
1200 – 1300 hrs	Lunch
1300 – 1630 hrs	Technical Visit 1 by Malaysian Highway Authority Visit to a Concessionaire Highway
1630 – 1730 hrs	Evaluation and Review of the Technical Visit
<b>End of Day 1</b>	

**TUESDAY - 26 July 2016**

0900 – 1000 hrs	<p>Keynote Lecture 2                  By: <b>Academician Dato Ir. (Dr.) Lee Yee Cheong FASc</b>  <b>Chairman of ISTIC Governing Board</b></p> <p><i>Topic: <b>Developing a Preventive Maintenance Culture</b></i></p>
1000 – 1030 hrs	Morning Tea Break
1030 – 1200 hrs	<p>Panel Session 2</p> <p>Chairman: <b>Representative of The Institute of Engineers Malaysia</b>  <i>Theme: <b>Recent Technology and Advances</b></i></p> <p>Panel Speaker: <b>Representative of Malaysian Highway Authority</b>  <i>Topic: <b>Highway Maintenance System</b></i></p> <p>Panel Speaker: <b>Ir. Mohd Zainal Zakaria</b>  <b>HOD Operations of IWK</b>  <i>Topic: <b>Maintenance of Sewage Treatment Plant</b></i></p> <p>Panel Speaker: <b>Ir. Ong Chin Loong</b>  <b>Managing Director, Cofreth (M) Sdn. Bhd.</b>  <i>Topic: <b>Assets Management Systems for Buildings</b></i></p> <p>Questions and Answers Session</p>
1200 – 1300 hrs	Lunch
1300 – 1600 hrs	<p>Technical Visit 2 By Indah Water Konsotium                  IWK Sewerage Treatment Plant (Pantai II)</p>
1600 – 1730 hrs	Evaluation and Review of the Technical Visit
<b>End of Day 2</b>	

<b>WEDNESDAY - 27 July 2016</b>	
0900 – 1000 hrs	Keynote Lecture 3 By: <b>Representative of City Hall (TBC by MSPC)</b> <i>Topic: <b>An Overview of Financing Infrastructure Maintenance</b></i>
1000 – 1030 hrs	Morning Tea Break
1030 – 1200 hrs	Panel Session 3  Chairman: <b>Dato' Dr. Samsudin Tugiman FASc</b> <b>Director, ISTIC</b> <i>Theme: <b>Financing Infrastructure Maintenance</b></i>  Panel Speaker: <b>Representative of Malaysian Highway Authority</b> <i>Topic: <b>Financing Highway Maintenance</b></i>  Panel Speaker: <b>Ir. Mohd Haniffa Abdul Hamid</b> <b>COO of IWK</b> <i>Topic: <b>Financing Sewage Maintenance</b></i>  Panel Speaker: <b>TBC by MSPC</b> <i>Topic: <b>Financing Shopping Mall Maintenance</b></i>  Questions and Answers Session
1200 – 1300 hrs	Lunch
1300 – 1600 hrs	Technical Visit 3 By Master Builders Association Malaysia REIT Property Project (Mega Mall)
1600 – 1730 hrs	Evaluation and Review of the Technical Visit
<b>End of Day 3</b>	

<b>THURSDAY - 28 July 2016</b>	
0900 – 1030 hrs	Business Match Making
1030 – 1100 hrs	Morning Tea Break
1100 – 1230 hrs	Summing up by: <b>Ir. Choo Kok Beng FASc</b> <b>President of MSPC</b> <ul style="list-style-type: none"> <li>▪ Round Table Discussion</li> <li>▪ Certificate Presentation</li> <li>▪ Group Photograph</li> <li>▪ Closing</li> </ul>
1230 hrs	Lunch
<b>End of Event</b>	



# **ORGANISERS**



**ISTIC**  
INTERNATIONAL SCIENCE, TECHNOLOGY AND  
INNOVATION CENTRE FOR SOUTH-SOUTH  
COOPERATION UNDER THE AUSPICES OF UNESCO

**International Science, Technology and Innovation  
Centre for South-South Cooperation under the  
Auspices of UNESCO (ISTIC)**

The creation of the International Science, Technology and Innovation Centre for South-South Cooperation under the Auspices of UNESCO (ISTIC) is a follow up of the Doha Plan of Action which has been adopted by the Head of States and Government of the Group of 77 and China, during the meeting in Doha, Qatar, from 12 to 16 June 2005 on the occasion of the Second South Summit of the Group of 77.

The Summit urged UNESCO to develop and implement a programme for South-South cooperation in science and technology with the objective of facilitating the integration of a developmental approach into national science and technology and innovation policies, capacity building in science and technology through providing policy advice and exchange of experience and best practices, and creating a problem solving network of centres of excellence in developing countries as well as supporting the exchange of students, researchers, scientists and technologists among developing countries.

ISTIC will act as an International Platform for South-South Cooperation in Science, Technology and Innovation and make use of the network of the G77 plus China and the Organization of the Islamic Conference (OIC). The overall goal of ISTIC is to increase the capacity for management of science, technology and innovation throughout developing countries. ISTIC Secretariat is hosted by Academy of Sciences Malaysia (ASM) for five years before making ISTIC an autonomous organization.

**International Science, Technology and Innovation Centre  
for South-South Cooperation under the Auspices of UNESCO (ISTIC)**

902-4, Jalan Tun Ismail

50480 Kuala Lumpur

Malaysia

Tel: +603-2698 4572

Fax: +603-2698 4549

Email: [info@istic-unesco.org](mailto:info@istic-unesco.org)

Website: [www.istic-unesco.org](http://www.istic-unesco.org)

The Malaysian Service Providers Confederation was launched on 2<sup>nd</sup> June 2009 and incorporated as a Company with Limited by Guarantee without shares (CLBG) under the Companies Act 1963 on 2<sup>nd</sup> April 2010.

### **MSPC's Objectives**

- a) To provide a platform and focal point for all service providers to formulate common strategies in dealing with the government and make recommendations and submissions on behalf of its members;
- b) To promote and contribute towards the development of a more efficient and service-friendly environment, and the bilateral, regional and multilateral framework for trade in services; and
- c) To establish and develop links with counterpart organisations at regional and global levels.

### **Service to the Malaysian Service Provides**

To be the sole platform for formulating common strategies, networking at national, regional and international levels for service sectors; To promote and stimulate demand for services – professional, business and others; To accelerate the growth of the services sector by:

- i) Enhancing the competitiveness, productivity and efficiency of the sector;
- ii) Developing the capacities and capabilities for the sector;
- iii) Positioning Malaysia to be a regional centre of excellence for those established and maturing sub-sectors;
- iv) Engaging with the authorities, in the spirit of Malaysia inc., to create a more conducive business environment for investments and export of services;
- v) Outreaching, nurturing and partnering constituent member organizations in strengthening institutional support in both development and promotion.

#### **Operational Secretariat Office:**

Wisma Vertitech  
No. 17A-C, Jalan Kenari 4  
Bandar Puchong Jaya  
47100 Puchong, Selangor  
Malaysia  
Tel: +603-5882 6968  
Fax: +603-5882 6739  
Website: [www.mspc.my](http://www.mspc.my)

# REGISTRATION FORM

TITLE OF COURSE	DATE, DURATION & VENUE OF COURSE
<b>Training Workshop on Maintenance of Infrastructure</b>	<b>25 – 28 July 2016 Kuala Lumpur, Malaysia</b>

PERSONAL PARTICULARS	
Full Name	
Designation : Prof. /Dr. /Mr. /Mrs. /Ms. /_____	Gender (Male/Female)
I/C Number	Date of Birth (Date/Month/Year)

COMMUNICATION & MAILING ADDRESS			
Applicant's Office Address		Person to be Contacted, in Case of Emergency (Name and Address)	
Tel		Tel	
Fax		Fax	
Mobile		Mobile	
Email		Email	

EMPLOYMENT RECORD				
Title of Post				
Employer				
Duration of Service				
Type of Organization (Please ✓ box)			Main Functions of Organization	
<input type="checkbox"/>	Government	<input type="checkbox"/>		Private
<input type="checkbox"/>	Semi-Government	<input type="checkbox"/>		NGO
Description of your current work including your responsibility (Please use supplementary pages, if necessary)				

## DECLARATION

Name:	Signature of Applicant:
Date:	

**NOTE: Link for Online Application:** <http://goo.gl/forms/5fLgflACHm2okJ8y1>

**REGISTRATION FEE: RM 1,500 inclusive of 6% GST**

### MODE OF PAYMENT

Payment can be made using crossed cheques or bank drafts made payable to **Akademi Sains Malaysia (ISTIC)**. For all telegraphic transfers, please notify the secretariat before effecting the transfer. All transfers should be directed to the following account:

Account Name: **AKADEMI SAINS MALAYSIA (ISTIC)**

Account No.: **140 140 10139359**

Bank: **Bank Islam Malaysia Berhad**

Branch: **Menara Bank Islam, Tingkat Bawah, No. 22, Jalan Perak, 50450 Kuala Lumpur**

Please send a copy of the transfer slip to the Secretariat. An acknowledgement will be sent on receipt of payment

**Note: 1) Substitution is allowed for registered participant, cancellation will not be entertained.  
2) Fee is NOT inclusive of accommodation.**