

*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

## **INTERNATIONAL PARTICIPANTS**

A total of 20 participants from ASEAN and developing countries will be selected to attend this training workshop with 30 participants from Malaysia. The combination of participants from ASEAN, South countries and the host will allow for an exchange of knowledge, ideas and experiences as well as opportunities for discussions, networking and possible collaboration.

The organizers will bear local cost and hospitality (accommodation, meals and local transport) of selected participants during the duration of the workshop.

**Participants are required to seek travel grant from their organizations to pay their travel expenses to Kuala Lumpur, Malaysia.**

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

Those who are involved in planning, budgeting and managing the infrastructure maintenance in their countries; have a good command of English and in good health.

## **APPLICATION AND ENQUIRIES**

- 1) Applicants are requested to apply using the online application;  
**<http://goo.gl/forms/2MoAY4hV21>**
- 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.mspsc.my](http://www.mspsc.my)

## **CLOSING DATE OF APPLICATIONS**

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

ISTIC or MSPC will inform the successful applicants to the training workshop not later than **15 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>Representative of JKR (TBC by CIDB)</b>  <i>Topic: <b>Malaysian Ascertain Institutional Legislation Overview for Infrastructure Maintenance</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>Representative from Indah Water Konsortium</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>Representative of Indah Water Konsortium</b>  <i>Topic: <b>Maintenance of Sewage Treatment Plant</b></i></p> <p>Panel Speaker: <b>Representative of Master Builders Association Malaysia</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 Konsortium                  IWK Sewerage Treatment Plant (Pantai II)</p>
1600 – 1730 hrs	<p>Evaluation and Review of the Technical Visit</p>
<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>Representative of Indah Water Konsortium</b> <i>Topic: <b>Financing Sewage Maintenance</b></i>  Panel Speaker: <b>Representative of Master Builders Association Malaysia</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**



**I S T I C**  
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)**

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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)

# INTERNATIONAL APPLICATION FORM

(Typewritten or blocked letters)

<b>FOR OFFICIAL USE ONLY</b>  Reference No:  Received:  Checked:	Please affix latest passport photograph
Title of Course:  <p style="text-align: center;"><b>Training Workshop on Maintenance of Infrastructure</b></p>	Date, duration & venue of course:  <p style="text-align: center;"><b>25 – 28 July 2016 Kuala Lumpur, Malaysia</b></p>

**NOTE: Link for Online Application: <http://goo.gl/forms/2MoAY4hV21>**

## 1. PERSONAL PARTICULARS:

Family name (surname):	Date of Birth: (Date/Month/Year)
First name:	Nationality: (Citizenship)
Other given names:	Gender: (Male/ Female)
City and country of birth:	Marital status: (Single/ Married)
Passport No:	Designation : Prof./ Dr / Mr / Mrs / Ms

## 2. COMMUNICATION AND MAILING ADDRESS

Applicant's Office Address:			
Email address:			
Office Phone No:		Mobile No:	
Office Fax No:			
Person to be contacted in case of emergency (name, telephone and address):			

### 3. EDUCATION

Name of institution and place of study	Major field of study:	Years of study	Degree

### 4. EMPLOYMENT RECORD

A. Current Post:			B. Previous Post:		
Employer:			Employer:		
Duration of service:	From	To	Duration of service:	From	To
Title of post:			Title of post:		
Current monthly salary(US dollars):			Monthly salary (US dollars):		
Name of supervisor and title:			Name of supervisor and title:		
Type of organisation: Government/ Semi-Government/ Private/ NGO			Type of organisation: Government/ Semi-Government/ Private/ NGO		
Main functions of organisation:			Main functions of organisation:		
Total number of employees in organisation:			Total number of employees in organisation:		
Description of your current work including your responsibilities:					
<p><i>*Please use supplementary pages if necessary</i></p>					

## 5. REASONS FOR APPLYING THIS TRAINING WORKSHOP

Please briefly state the reasons for applying this training workshop and how you hope to benefit from this programme

Have you participated in any ISTIC training programmes before: YES/ NO  
If yes;

Name of programme	Date

## 6. CERTIFICATION OF ENGLISH LANGUAGE PROFICIENCY

	Excellent	Good	Fair	Remarks
Listening				
Speaking				
Writing				
Reading				
Mother tongue: :				
Language test administered by :				
Title :				
Address :				
Telephone No :				
Email address :				
Date and Signature :				

**7. DECLARATION:**

<p>Have you ever been convicted by a Court of Law of any country? Yes/ No                  If yes, please give brief details:</p>	
<p>I certify that my statements in answer to the foregoing questions are true, complete and correct to the best of my knowledge and belief.                  If accepted to the training workshop, I undertake to:</p> <ul style="list-style-type: none"> <li>(i) carry out such instructions and abide by such conditions as may be stipulated by both the nominating government and the host government in respect of this course of training;</li> <li>(ii) follow the course of study or training, and abide by the rules of the institution in which I undertake to study or train;</li> <li>(iii) refrain from engaging in political activities, or any form of employment for profit or gain;</li> <li>(iv) submit any progress reports which may be prescribed; and</li> <li>(v) return to my home country promptly upon the completion of my course of studies or training.</li> </ul> <p>I fully understand that if I am granted an award it maybe subsequently withdrawn if I fail to make adequate progress or for other sufficient cause determined by the host Government.</p>	
Signature of Application	: _____
Name	: _____
Date	: _____

**8. OFFICIAL DECLARATION (to be completed by the Head of Department):**

<p>The Government / Organisation of                  .....                  nominates.....                  (name of applicant)</p>	
<p>For the program under the International Science, Technology and Innovation Centre for South-South Cooperation (ISTIC) and certifies that:</p> <ul style="list-style-type: none"> <li>(i) all information supplied by the nominee is complete and correct;</li> <li>(ii) the nominee had adequate knowledge and was appropriately tested for English Language proficiency.</li> </ul>	
<p>Remarks:                  .....</p>	
<p>_____                  (Name)</p>	<p>_____                  (Signature of responsible Head of Department)</p>
<p>_____                  (Designation)                  Official seal/ stamp</p>	<p>Address of Department/ Ministry                  _____                  _____</p>
<p>Date:</p>	<p>Office telephone no:                  Office fax no:                  Email address:</p>

**Note: INCOMPLETE AND/OR UNENDORSED FORMS WILL NOT BE PROCESSED**