

REGISTRATION

The visit is strictly **LIMITED to 40 participants** and registration will be on a first-come-first-serve basis subject to payment within 5 working days. Members who are interested to join the visit are requested to return the reply slip to the IEM Secretariat before **20 February 2012** together with a non-refundable registration fee. Payment by cheque/PO/MO to make payable to **'The Institution of Engineers, Malaysia'**. **Please note that the registration fee must be settled prior to the visit. Payment on the day of the visit is not acceptable.** After this closing date, IEM reserve the right to allocate seats on first come first pay basis. Members are also reminded that if a place is reserved, IEM **may cancel the reservation** if payment is not received. If IEM maintained the reserved seat and the intending participant failed to attend the visit on the date of the event, the fee will still have to be settled in full. IMarEST members participating are subjected to the same fees as IEM Members.

Please be informed that interested participant to arrange themselves their own flight ticket and other transport arrangement to arrive at Surabaya Airport by 1 March 2012 at 0900. For the return journey, participants may depart as and when they wish after the morning on 3 March 2012.

REPLY FORM

Chairman
Marine Engineering and Naval Architecture Technical Division
The Institution of Engineers, Malaysia
Bangunan Ingenieur, Lot 60/62, Jalan 52/4
46720 Petaling Jaya, Selangor

Technical Visit to Surabaya, Indonesia (3 days 2 nights) on 1 - 3 March 2012

I would like to join the visit based on the following:-

I enclose herewith cash/cheque no: for an amount of RM.....being the fee for the visit.

Name :

Membership No :

Address :

.....

.....

Tel No : Fax No :

Email Address :

Signature : Date :



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**TECHNICAL VISIT
TO SURABAYA, INDONESIA
(3 Days 2 Nights)**

*(Organised by Marine Engineering
And Naval Architecture Technical Division)*

BEM Approved
CPD/PDP HOURS: 9
REF: IEM12/HO/016/V

**Date : 1 - 3 March 2012 (Thursday-Saturday)
Venue : Surabaya, Indonesia**

The registration fee rates are follows:-

Membership	Rates	Remarks
IEM Member	RM330.00	Those who need hotel arrangement with twin sharing accommodation.
	RM470.00	Those who need hotel arrangement with single accommodation.
Non-Member	RM450.00	Those who need hotel arrangement with twin sharing accommodation.
	RM590.00	Those who need hotel arrangement with single accommodation.

The fees include local transportation (visits only), twin sharing/single hotel accommodation at IBIS Hotel, lunch and dinner for 1st March 2012 only. International passports are participant's own responsibility. For Malaysians, no Visa will be required.

SCOPE OF VISIT

The scope of the visit is centered around the following:-

- Visit to Dok Perkapalan Surabaya (DPS) - One of the largest Dockyards in Indonesia.
- Visit to Indonesia Hydrodynamics Laboratory (IHL), Universitas Teknologi Sepuluh November - Marine laboratory (longest towing tank in Indonesia/South East Asia).
- Visit to Balai Pendidikan dan Pelatihan Ilmu Pelayaran (BP2IP), Surabaya - Ship handling simulator (computer generated) and engine room simulator (real live size). This training center is meant for nautical and marine engineering cadets who when graduated will serve the commercial fleet.
- Networking session with marine businesses in Surabaya region during dinner.
- Socializing in Golf (Optional: Afternoon 2nd Mac). This session could also involve local engineers/businessmen and IMarEST members from Surabaya. Those who wish to participate in Golf please indicate early.

SYNOPSIS

DPS (Dok Perkapalan Surabaya) - History started in September 22, 1910 when the colonial Dutch Government established N.V Droogdok Maatschappij. It was originally intended to service Dutch ships in Indonesia. Between 1942 and 1945, the company was managed by the Japanese Government under the name of Harima Zosen. After its nationalization on January 1, 1961, N.V Droogdok Maatschappij Soerabaja became a state-owned company named P.N Dok dan Perkapalan Surabaya. Based on the decree by the Minister of Sea Communication in 1963, the dockyard Sumber Bhaita was integrated into the company. Then, since January 8, 1976 the company has assumed a new legal status as PT.

PT. Dok & Perkapalan Surabaya owns 4 floating docks, which are able to accommodate vessels up to 290 m in length and of approx. 135 000 dwt. They also have the possibility of repairing vessels up to 310 m in length along the shipyard quays. Our quays are about 6000 m long in total, including 3500 m of quays fully equipped with the essential infrastructure, electric supply and technical gas supply. 24 cranes able to lift up to 300t are at our disposal. Technical features of PT. Dok & Perkapalan Surabaya docks are as follows:-

Description	DokI	DokII	DokIV	DokV
Length Over Pontoon	: 99.24 M	: 99.24 M	: 94.30 M	: 138.52 M
Length Over All	: 113.24 M	: 109.24 M	: 112.30 M	: 152.52 M
Capacity	: 3500 TLC.	: 3500 TLC	: 4000 TLC.	: 6000 TLC

Indonesian Hydrodynamics Laboratory (IHL) is an advance research laboratory by BPPT (the Agency for Assessment and Application of Technology) with sophisticated facilities, Towing Tank, Manoeuvring and Ocean Engineering Basin, and Cavitation Tunnel, for testing many types of ships and offshore structures.

The Laboratory is devoted to research & development and marine business services of propulsive, seakeeping and manoeuvring performances of ships and offshore structures of all types. The role of IHL is not only to study and develop the hydrodynamic performance of existing design but also to contribute to the continuing progress and development of technology and knowhow. Facilities equipped are as follows:-

Towing Tank

- Tank Dimensions : Length 234.5 m (incl. Harbour) x Breadth 11 m x Water Depth 5.5 m
- Towing Carriage : Manned, Max Acceleration 1 m/s², Max Speed 9 m/s
- Ship Model : Wooden Model 4 - 9 m
- Wave Maker : Hydraulically driven dual-dry-back-flap type capable of generating regular and irregular wave with period 0.5 - 3.5 sec with direction 0o and 180o and significant wave height up to 0.5m
- Manoeuvring and Ocean Engineering Basin
- Cavitation Tunnel
- Workshops

BP2IP (Balai Pelayaran dan Pelatihan Ilmu Pelayaran) in Surabaya - Initially was named Surabaya Institute of Education and Training Cruise (BPLP) which is a filial BPLP Semarang in 1982, then turned into a Hall of Sailing Basic Education and Training (BPLPD) Surabaya in 1990, and subsequently named BP2IP Surabaya since 2002.

As a Technical Implementation Unit (UPT) under the Education and Training Agency of Transportation, the main task BP2IP Surabaya is implementing education and training in the areas of primary and secondary levels

of sea-going compliance with standards and provisions of the legislation in force, and may hold other sea-going functional technical training based on Head of Marine Transportation Pusdiklat assignment.

Facilities equipped are as follows:-

1. Brigade Simulator
2. Steering Trainer
3. Workshop
4. Radar Simulator
5. ARPA Simulator
6. Navigation aid Simulator
7. Engine Graphic Simulator

ITINERARY

Date	Time	Activity	Remarks
01 Mac 2012 (Thursday)	0900-0930	Assemble at Surabaya International Airport (Arrival Hall)	Air travel own arrangement
	0930-1230	Visit Dok Perkapalan Surabaya	Coach transfer
	1230-1330	Lunch (at Dok Perkapalan)	
	1330	Depart Dok Perkapalan Surabaya	
	1415	Arrive IHL (Indonesian Hydrodynamics Lab)	
	1415-1615	Visit IHL	
	1615	Depart IHL for Hotel IBIIS	
02 Mac 2012 (Friday)	1715	Arrive Hotel IBIIS	Check in
	1930-2200	Reception dinner and Business networking - on board ferry	Buffet Dinner (Boat Cruise) program TBA
	2230	Arrive Hotel IBIIS	
	0700	Breakfast	
	0800	Depart Hotel IBIIS for BP2 IP (Balai Pendidikan dan Pelatihan Ilmu Pelayaran)	
	0900-1130	Visit BP2IP	
	1130	Depart for Hotel IBIIS	
03 Mac 2012 (Sat)	1200	Arrive Hotel IBIIS	Free & Easy - Lunch by own arrangement
	1300-1800	Golf/Shopping/Factory Outlet visit	Green fees & transport by own arrangement
	1930-2030	Dinner	Own arrangement
	0700	Breakfast and check-out for Airport	Latest check-out 1200
		Transfer to Airport	Own arrangement
		Visit end	