

**Training Mode:
Physical**



Approved Duration: 12/05/2026 - 11/5/2027
HRD Corp Serial No: 10001694763

**ORGANISED BY:
ENGINEERING EDUCATION TECHNICAL DIVISION, IEM**

Physical Half Day Seminar on

Pump Fundamentals: System Components, Performance Optimization, and Practical Applications for Engineering Students, Graduate and Water Utility Professional Engineers

BEM APPROVED CPD: 4

REF NO: IEM26/HQ/196/S

Date : 22 July 2026 (Wednesday)
Time : 9.00 am - 1.00 pm
Venue : C&S Lecture Room, 2nd Floor, Wisma IEM, Petaling Jaya
Speaker : Ir. Ana Miraa Mohd Yusof

CLOSING DATE : 18 JULY 2026

REGISTRATION FEE'S (subject to 8% SST)

	ONLINE FEE (NON HRDF Claimable) (Log-in for registration & payment: www.myiem.org.my/member/login.aspx)	NORMAL FEE (HRDF Claimable) (By Email : Payment by cash, credit card, bank-in, Quotation & Invoice)
IEM Student Members	100.00	150.00
IEM Graduate Members	180.00	230.00
IEM Corporate Members	300.00	350.00
Non-IEM Members (Non of the Above)	500.00	550.00

PROGRAMME

TIME	PROGRAMME
08:30am – 09:00am	Registration of Participants
09.00am - 09.45am	<ul style="list-style-type: none">• Pump definition• Pump classification
09.45am - 10.30am	Pump Performance <ol style="list-style-type: none">a. Q-H curveb. Pump efficiencyc. Power theoryd. Net Positive Suction Head (NPSH)e. Testing tolerance
10.30am - 10.45am	Break
10.45am - 11.45am	Pumping system component <ol style="list-style-type: none">a. Atmospheric pressureb. Liquid characteristicc. Flowd. Suction Static/Lifte. Discharge Static/Headf. Losses in suction pipeg. Losses in delivery pipeh. Total dynamic head<ol style="list-style-type: none">i. Static headii. Pipe friction lossesiii. Fitting minor lossesiv. Velocity head losses
11.45am - 1.00pm	<ul style="list-style-type: none">• System characteristic curve computation and analysis• Pumping station design – case studies• Affinity law application• Q&A Session

SPEAKER'S PROFILE

Ir. Ana Miraa Mohd Yusof is a certified Asean Chartered Professional Engineer (ACPE) and Professional Engineer with Practicing Certificate (PEPC-BEM). She holds MSc in Water Resource Engineering from Universiti Teknologi Mara and BEng (Mechanical) from Queensland University of Technology, Brisbane Australia. She has a 25-year working experience covering pumping system design and analysis, flood mitigation and irrigation system, rainwater harvesting and stormwater treatment system. Previously she worked in several companies in positions including Technical Director, Sales & Marketing Manager and Pump Applications Engineer. She started working in Grundfos Pumps Malaysia in October 2016 and currently holding a position as Grundfos Flood Control Solution Manager (Water Utility – Malaysia). She works closely with engineers/designers/end users providing consultancy in pump station design fundamentals. She actively provides training sessions to water utility authorities - among others: Department of Irrigation and Drainage (DID/JPS), Majlis Bandaraya Shah Alam (MBSA), Malaysia Stormwater Organisation (MSO), Dewan Bandaraya Kuala Lumpur (DBKL), Syarikat Air Selangor (AIS), Perbadanan Bekalan Air Pulau Pinang (PBAPP), Syarikat Air Negeri Sembilan (SAINS), Perbadanan Air Negeri Pahang (PAIP), Jabatan Air Negeri Sabah (JANS) as well as private C&S and M&E consultants all over Malaysia.

Cancellation Policy

No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with 7 days prior notification and substitute will be charged according to membership status.

Personal Data Protection Act

I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said notice.



REGISTRATION FORM

Physical Half Day Seminar on Pump Fundamentals: System Components, Performance Optimization, and Practical Applications for Engineering Students, Graduate and Water Utility Professional Engineers

22 July 2026 (Wednesday) **Closing Date : 18 July 2026**

Email : ezzaty@iem.org.my

REGISTRATION FEE'S (subject to 8% SST)

	ONLINE FEE (NON HRDF Claimable) (Log-in for registration & payment: www.myiem.org.my/member/login.aspx)	NORMAL FEE (HRDF Claimable) (By Email : Payment by cash, credit card, bank-in, Quotation & Invoice)
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NAME	MEMBERSHIP NO. / GRADE	FEES (RM)
		Sub Total:
		SST Added 8% :
		Total Amount Payable :

FULL PAYMENT must be settled before commencement of the course, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. The Registration Fee includes lecture notes, refreshment and lunch.

For **ONLINE REGISTRATIONS**, please note that payment **MUST** be made **BEFORE the closing date**. If payment is not received within the stipulated time, the registration fee will be reverted to the normal registration fee.

Contact Person: _____ Designation: _____

Name of Organization: _____

Address : _____

Telephone No. : _____ (O) _____ (Fax No.)

_____ (H) _____ (HP)

Email : _____

Signature & Stamp

Date