APPLIED TECHNOLOGY GROUP OF COMPANIES
Australia • New Zealand • Hong Kong • Malaysia • Singapore

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Course On

WATER PIPING – System, Valves & Piping Design Workshop

Date : 26 July 2017 (Wednesday)
Time : 10.00 am to 4.00 pm
Venue : Armada Hotel, Petaling Jaya

COURSE OVERVIEW

The 1-Day intensive course focuses on :

- The Theoretical and Practical Aspects of Water Piping

The course highlights :

- Principles of Water Piping
- Types of Water Flow in Pipes
- Components for a Pipe Systems
- Types of Valves
- Water Piping Design Workshop

Work examples, calculations and design workshops are done to ensure participants would have a better understanding of the operation and application of water piping.

LEARNING OUTCOME/ BENEFITS OF COURSE

This course will provide the participants with the followings benefits:

- Understanding the characteristics and principles of a water piping.
- Understanding the factors which affects the water flow in water piping.
- Understanding the components and characteristics of a pipe systems.
- Understanding the purpose and types of valves.
- Practical considerations of different aspects in water piping.
- Water piping design procedure and factors to be taken into consideration.
- Selection of pipe size due to limitation of different conditions.
- Concept and design of domestic water system.

Early Bird Discount **RM50** ***Register for course and pay before 26June 2017***

SPEAKER PROFILE

Dr. Ling Foon Fatt

Dr. Ling Foon Fatt has extensive experience in Education, R & D, Training, Consultancy and Manufacturing, having held various posts and positions with the following organizations:

1. Associate Professor, Mechanical Engineering Department, University of Malaya (1981 – 1994).
2. Technical Advisor, OYL Industries Bhd.(1987-1994)
3. Chief Executive Officer, TOPAIRE Sdn. Bhd.(1994-1996)
4. Senior Group General Manager, Top Group Holdings Bhd.
5. Director of a Consulting Engineering Firm.
6. Engineering & Training Advisor, UMJ Air-Conditioning Sdn. Bhd.
7. Member of International Editorial Advisory Board, Journal of Energy, Heat and Mass Transfer.(1988-1994)

Dr. Ling has been the Principal Interviewer for the Examination of Corporate Membership of the Institution of Engineers, Malaysia (1976 – 1983); Chairman, Sub-Committee in Qualification Assessment, The Institution of Engineers, Malaysia (1981- 1983); and The Council Member of the Institution of Engineers, Malaysia (1981/82 – 1983/84).

He was a member of the Steering Committee on Training and Entrepreneur Development, Federation of Malaysia Manufacturers (1992 – 1996).

Dr. Ling has supervised more than 80 engineering thesis projects, and published over 50 technical papers in International and regional journals.

Dr. Ling has conducted over 300 public courses and has written 20 work books.

Over 3000 engineers, managers, executives, supervisors and technicians have successfully attended the public courses conducted by Dr Ling. The participants are from various industries of Manufacturing, Services, Education, Oil & Gas, Construction and Commerce.

Dr. Ling has conducted in-house training for over 30 companies and organizations.

WHO SHOULD ATTEND

This course is designed for:

- University and College Lecturers
- Maintenance Engineers/Managers/Executives
- Consulting Engineers
- Service Engineers
- M&E Contractors
- Building/Complex Owners
- Chargemen & Technical Executives
- Technicians who deal with water piping

Claimable under HRDF SBL scheme subject to max limit allowed.
CPD-Hours (Application in Progress), CIDB CCD-Points (Application in Progress)

WATER PIPING – System, Valves & Piping Design Workshop

COURSE SCHEDULE

8.30am - 9.00am	*REGISTRATION & BREAKFAST*
10.00am - 10.30am	**Session 1: Principles** • Water Column • Velocity Head • Continuity Equation • Energy Equation • Pressure Losses • Work Examples
10.30am - 11.00am	**Session 2: Water Flow In Pipes** • Streamline Flow • Turbulent Flow • Reynolds Number • Friction Factor • Moody Chart • Work Examples
11.00am - 11.15am	*MORNING TEA BREAK*
11.15am - 11.45am	**Session 3: Pipe Systems** • Typical Pipe System Components • Minor Losses • Entrance & Exit Losses • Sudden Expansion & Contraction Losses • Pump Head • Equivalent Length • Work Examples
11.45am - 12.30pm	**Session 4: Valves** • General Purpose Valves • Valves Construction Details • Globe Valves • Gate Valves • Butterfly Valves • Ball Valves • Check Valves • Plug Valves **Session 5: Practical Considerations** • Strainers • Air Vents • Valve Losses • Fitting Losses • Cavitation in Valves • Water Hammer
12.30pm - 2.00pm	*LUNCH*

WATER PIPING – System, Valves & Piping Design Workshop

2.00pm -3.00pm	**Piping Design Workshop** **Session 6: Water Piping Design** • Prelude to Water Piping Design • General Considerations • Effect of Erosion • Recommended Water Velocities • Water Piping Design Steps **Session 7: Workshop 1 - Pipe Sizing** • Application of Pipe Friction-Loss Chart • Cooling Tower Pipe Sizing • Work Examples
3.00pm – 3.15pm	*TEA BREAK*
3.15pm – 4.00pm	**Session 8: Workshop 2 – Domestic Water System** • Design Loads • The Empirical Method • Method of Probability • Pipe Sizing • Piping Installation **Reviews, Question & Answer, Conclusion**
END OF SEMINAR	

Applied Technology Group

COURSE REGISTRATION FORM

Course title:
WATER PIPING – System, Valves & Piping Design Workshop

(✓ Please tick)

	26 July, 2017 (Wednesday) Petaling Jaya, *Armada Hotel*

Company Information

Company:	
Address:	
State/ Province:	
Zip/Postal Code:	
Country:	
Contact Person:	
Email:	
Phone:	

Attendee Information

Name (1)	
Job title:	
E-mail:	
Mobile/Tel No:	
Name (2)	
Job title:	
E-mail:	
Mobile/Tel No:	
Name (3)	
Job title:	
E-mail:	
Mobile/Tel No:	

Registration Fee

	Fee Before GST (6%)	GST (6%)	TOTAL
Individual Fee	RM800	RM48	RM848
Group Fee (3 or more delegates)	RM750	RM45	RM795

Closing date: 19 July 2017. An early bird discount of RM50 for payment received before 26 June 2017.

Payment

Payment is to make payable to:
Applied Technology Group Sdn Bhd
Public Bank Berhad (Malaysia)
Account no: 3178247302
GST Registration Number: 000641294336

Payment terms:
Payment is required before the event. Once payment is received, your seat will be reserved. Registration fee includes lunch, refreshments and full training documentation as specified. Delegates may be refused admission if payment is not received prior to the event. The fee does not include hotel accommodation.

Cancellation Policy

All cancellation of registration must be made in writing.
If you are unable to attend:

a) A substitute delegate is welcomed at no additional charge.
b) Your registration can be credited to a future event.
c) You will receive a full refund less 10% administration charge if cancellation is received in writing more than 14 days before the event.
d) No cancellations will be accepted within 14 days before the event start date. Full course documentation will however be sent to the delegate.

Course Schedule

Course starts at 10.00am and ends at 4.00pm daily. Please arrive at 9.00am on day one to allow time to register and receive course materials.

Please send completed form to:

Fax to: **+603 5637 9945**
or Email to : admin@apptechgroups.net
For enquiry, please call: **+603 5634 7905**
Or refer to our website www.apptechgroups.net

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