



**PERSATUAN KEBANGSAAN KONKRIT SIAP BANCUH MALAYSIA  
NATIONAL READY-MIXED CONCRETE ASSOCIATION OF MALAYSIA**

## **Concrete Technology: Materials, Mix Design and Remedies for Defects in Concrete**

### **Who Should Attend**

- Supervisory & Management personnel in ready-mixed concrete industry.
- Clerks-of-work / construction site supervisor.
- QA / QC engineers, consultants & architect representatives.
- Project Managers & Engineers who take charge of construction

### **Course Fees**

- ¶ RM660.00 + 6% GST per participant for NRMCA Members.  
RM750.00 + 6% GST for non-members.
- ¶ Fees inclusive of training materials, lunches, morning and afternoon breaks.
- ¶ Payments are to be made in favour of “**NRMCA**”. We appreciate that you assist to bank in to Hong Leong Bank accounts No. **369 0000 5264** and email the bank in slip with your company name to Mr. Leong Kok Lim of Nova at email: [finance@novabizservices.com](mailto:finance@novabizservices.com) or fax to 603 7960 7882 in order for NRMCA to identify your payment and issue receipt accordingly.
- ¶ You may send payment to

National Ready-Mixed Concrete Association of Malaysia,  
c/o Nova Business Services Group Sdn. Bhd.  
Block A-31-05, Dataran 3 Two  
No. 2, Jalan 19/1  
46300 Petaling Jaya, Selangor  
Tel: 603 7960 9882  
Fax: 603 7960 7882  
Email: [finance@novabizservices.com](mailto:finance@novabizservices.com)

### **SBL Scheme**

Companies must apply directly to HRDF. SBL Scheme will be based on the individual merit of each application.



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## **Concrete Technology: Materials, Mix Design and Remedies for Defects in Concrete**

### **Dr. Hilmi Bin Mahmud, PhD**

Dr. Hilmi is Professor at the Department of Civil Engineering, University of Malaya. He received his PhD in concrete technology from the University of Sheffield, UK in 1987. He was a former Vice President of the Concrete Society of Malaysia and a Committee Member of the American Concrete Institute (KL Chapter). He has served on a number of cement and concrete technical committees of SIRIM, Cement and Concrete Association of Malaysia, as well as the Construction Industry Development Board of Malaysia. His research interests are in concrete technology, utilization of wastes and structural repair.

### **Mr. Parnam Singh B.E. (Hons), Msc. (Civil), U.K.**

Mr. Parnam Singh graduated from the Queen's University of Belfast, U.K. in 1989. He is a registered Civil Engineer with the Board of Engineers Malaysia and The Institution of Engineers Malaysia. He has more than 27 years of experience in the assessment and repair of concrete structures. He served L&M Structures Sdn Bhd as Technical Manager from 1990 to 2000. He is currently the General Manager of RNC Technology (M) Sdn Bhd, leading a team of managers and engineers specializing in concrete assessment and repair technology.

He has spent a life-long career exploring and investigating faults and failures in concrete and has spent several years majoring in forensic engineering. He has published more than 36 technical papers which were presented at national and international seminars and conferences.

Mr. Parnam is the Past President of the American Concrete Institute, KL Chapter, and member of the Concrete Society of Malaysia (MCSM) and Asian Concrete Federation (ACF). He is a registered Specialist Trainer with National Ready Mixed Concrete Association of Malaysia (NRMCA).

Mr. Parnam has also been engaged by the National Defense University as Adjunct Lecturer and member of their Industry Advisory Panel and Panel of Project Examiners since 2014. He is a Universiti Malaya Certified Business Coach and has successfully applied his skills in coaching subordinates, entrepreneurs and individuals from different sectors of the construction industry.

**Mr Tong How Peng B.E. (Civil), MSc (TQM)**

Ir. Tong How Peng is a Professional Engineer (Civil Engineering). He graduated from Universiti Malaya with a Bachelor of Engineering (Civil) and Master of Science (TQM), from Sheffield Hallam University, UK.

He has worked as Site Engineer in a construction company, Production Engineer in a concrete precast manufacturer and Technical Manager in RMC companies. Some of his works are researching and development of fresh and hardened concrete. In R&D fields, he does the raw materials appraising, design concrete mixes, conduct trial mixes and evaluating the performances. He also covers QA / QC issues like handling complaint / query related to concrete either at plant or at site, finding the causes and any potential improvement. Apart of the works related to concrete, he is involved in daily management of Quality Management System to training of the line managers on concrete technology and quality management. At present, he is the manager for Technical and Quality Assurance in SE Concrete Sdn Bhd.

Other than working in RMC, he is representing NRMCA in CIDB, C&CA and SIRIM STS working groups in drafting standards related to RMC, concrete and concrete products such as CIDB-CIS 21, and MS 523.



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## **Concrete Technology: Materials, Mix Design and Remedies for Defects in Concrete**

Date : 2 days on 02 & 03 May 2018

Time : 9:00 a.m. to 5:00 p.m.

Venue: Training will be conducted at NRMCA Training Room, 13-1, 1st Floor, Jalan Sepah Puteri 5/1B, Pusat Dagangan Seri Utama PJU 5, Kota Damansara, 47810 Petaling Jaya, Selangor Darul Ehsan, Malaysia.

### **Introduction**

The Concrete Technology: Materials, Mix Design and Remedies for Defects in Concrete training course serves as an extension to the Introduction to Concrete Technology course organized by The National Ready-Mixed Concrete Association of Malaysia (NRMCA). Supported by The Construction Industry Development Board of Malaysia (CIDB) and The American Concrete Institute of Kuala Lumpur (ACI, KL Chapter), the course is conducted by renowned and experienced trainers from the construction industry. The objective of this programme is to further enhance the understanding and practice of concrete technology in the country.

### **Course Outline**

#### **Day 1**

- Materials & Product (Cement & Aggregates)  
- by Mr. Tong How Peng
- Materials & Product (Admixtures)  
- by Mr. Tong How Peng
- Concrete Types and Properties  
- by Mr. Tong How Peng

#### **Day 2**

- Concrete Mix Design (Theory & Practical)  
- by Dr. Hilmi Bin Mahmud
- Concrete Defects: Identifying, Diagnosis and Remedies  
- by Mr. Parnam Singh
- Handling Customer Complaints Professionally on Concrete Defects  
- by Mr. Parnam Singh



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**REGISTRATION FORM**

**Company:** \_\_\_\_\_

**Address:** \_\_\_\_\_  
\_\_\_\_\_

**Contact Person:** \_\_\_\_\_ **Mobile** \_\_\_\_\_

**Contact: Tel** \_\_\_\_\_ **Email:** \_\_\_\_\_

1. Participant Name: \_\_\_\_\_

Position: \_\_\_\_\_

2. Participant Name: \_\_\_\_\_

Position: \_\_\_\_\_

3. Participant Name: \_\_\_\_\_

Position: \_\_\_\_\_

4. Participant Name: \_\_\_\_\_

Position: \_\_\_\_\_

For Registration, please Contact:

Tracy Lee, mobile: 018 315 0781

E-mail : nrmcam@gmail.com