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SEMINAR ON NON-DESTRUCTIVE TESTING IN CIVIL ENGINEERING

Date: 18 - 19 October 2022

Venue: Kuala Lumpur

JOINTLY ORGANIZED BY



SUPPORTED BY:



JABATAN
PEMBANGUNAN
KEMAHIRAN (JPK)
KEMENTERIAN
SUMBER MANUSIA



PREAMBLE

NDT has been applied for inspections of metallic materials since long time ago. It has become common these days and have generated millions ringgit businesses. However, latest development indicates that may also be applied in civil engineering, thus creating new business venture among members of NDT community. As it is known by civil engineering community, concrete is one of the most commonly used materials in many construction projects. It has been used for the construction of buildings, bridges, sidewalks, dams and many other structures. Concrete used for these purposes must be of a high quality in terms of strength and durability. Several accidents involving building and bridge collapse were reported due to structural failure, ageing factor and lack of inspection. In Malaysia, periodical inspection of buildings is specified by the Street, Drainage and Building Act (Amendment 1994, Act A903). Visual inspection is considered as the simplest and most basic method.

However, such a method is not capable of detecting defects that are not open to surface. For such defects, engineers and researchers have to find other methods and currently several NDT methods have been developed and applied successfully. Application of a combination of several NDT methods has been found to be able to assists civil engineers and technicians assess the quality of concretes such as its strength, the presence and characteristic of defects in it, sizing and positioning of reinforcement bars and many others.

This seminar is organized with the intention providing a platform for all parties that involved in civil constructions to gather, share and discuss various issues related to matters such as quality control (QC) and condition assessment (CA), selection of suitable methods for building inspection, assessment of structural integrity, nuclear techniques in civil engineering and many more. We hope that this seminar will mark a new era for strengthening the application of NDT technology for better quality, safer and higher reliability of civil engineering structure.

OBJECTIVES

This seminar is designed to achieve the following objectives:

1. To share emerging issues related to application of NDT technologies to civil engineering structure
2. To enhance/increase awareness in the area of regulations, standards and code of practice relevant to construction industry.
3. To foster professional networking, sharing thought and experience amongst NDT practitioner, authority responsible for safety of buildings and other civil engineering structures, researchers involved in quality control of concrete structure, researchers, lecturers, equipment manufacturers and supplier, etc.

HIGHLIGHTS

This seminar highlight issues related to:-

- Act & Regulation
- Safety and Health
- New technology & equipment
- Material Integrity
- Inspection & Assessment
- Science Forensic
- Education & Training



WHO SHOULD ATTEND

This seminar is designed and should be attended by authorities engaged in building safety & integrity, NDT managers and practitioners who wish to widen their area of business, academicians, consultants, contractors and other practitioners.

PAPER PRESENTATION

A total 15 papers are scheduled to be presented at this seminar. There will be 4 keynote addresses and 11 papers based on respective sectional thrust delivered by distinguished speakers covering the following thrust:

Thrust I – Safety and Reliability

Thrust II – Structural and Integrity

Thrust III – Methods and Technology

Thrust IV – Standard and Regulation

PROGRAMME OUTLINE

DAY 1

8:30 AM - Registration

9:00 AM - Opening Ceremony

9:30 AM - Refreshment

10:00 AM - **Thrust 1: Safety & Reliability**

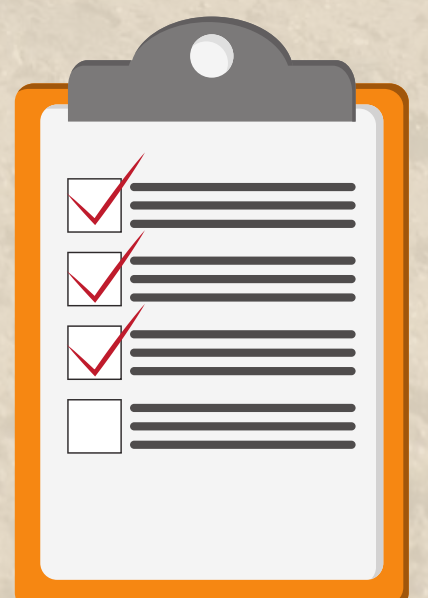
- Sustainable Construction and Building Concrete Durability
- Successful Concrete Rehabilitation & Repair
- Quality Assessment System for Building Construction Work
- Occupational Safety Health in Construction Management

1:00 PM - Lunch Break

2:00 PM - **Thrust II: Structural & Integrity**

- Conservation of Building in Malaysia
- Investigation of Structural Integrity & Stability Evaluation of Fire Affected Building by NDT.
- Analysis of Structural Integrity of Engineering Component

5:00 PM - End of Day 1



PROGRAMME OUTLINE

DAY 2

8:30 AM - Thrust III: Methods & Technology

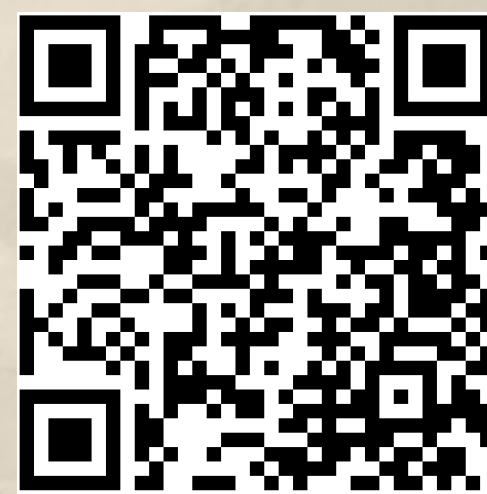
- Future Directions of NDT in Construction
- NDT for Building Diagnostic & Monitoring
- Application of Advanced NDT Techniques in Construction
- GPR Technique

1:00 PM - Lunch Break

2:00 PM - Thrust IV: Codes, Standards & Regulation

- International Standard on NDT for Concrete Structure
- Act, Code & Standard Practice in Malaysia: Building Inspection
- Practical NDT Training According to Regulation for Construction

5:00 PM - Closing & The End



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FEES

PACKAGE	FEES PER PAX (RM)
SINGLE PARTICIPATION	825.00
TEAM PARTICIPATION (MORE THAN 2)	780.00
*EARLY BIRD	780.00
ONLINE	650.00




PAYMENT GATEWAY


Upon successful registration, an invoice will be sent to the registered email address. Access to the payment gateway link will be given that allows participant to pay through the platform as shown below.



CONTACT DETAILS


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