



SINGAPORE CONCRETE INSTITUTE (SCI) & JAPAN CONCRETE INSTITUTE (JCI)
JOINTLY ORGANISE

Practical Guideline for Investigation, Repair and Strengthening of Cracked Concrete Structures -2009

Date: 8th March 2011 (Tuesday)

Time: 9.30am – 6.00pm
(Registration starts at 9.00am)

Venue: Main Lecture Theatre I
Singapore Polytechnic
500 Dover Road
Singapore 139651

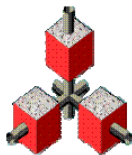
PDU Points: Pending

* Please register early as a huge turnout is expected and seats are available on a first-come-first served basis.



In spite of numerous efforts to eliminate cracks from concrete structures, there are still many cracked concrete structures. Some cracks are very harmful and should be repaired as soon as possible, while other cracks are almost harmless. Therefore, a good guideline on how to deal with cracks in concrete structures has long been needed. JCI first published “Practical Guideline for Investigation and Repair of Concrete Structures” in 1980, a second version followed in 1987, and a third version was followed in 2003. In this third version, the English edition was also published. It was presented in Singapore in a seminar in March 2005 which was overwhelmingly received. Then in 2009, a fourth version was published in Japanese in 2009. This volume, titled “Practical Guideline for Investigation, Repair and Strengthening of Cracked Concrete Structures -2009” is the English edition of this latest version. It is believed that this guideline will be of much use when cracks are detected in existing concrete structures, both in Japan and overseas. JCI-SCI is pleased to announce this seminar in which all seminar participants will be given a copy of this latest guideline.

Supporting Institutions



NUS : Centre for Advanced Materials and Structures (CAMS)



NTU: School of civil and Environmental Engineering

Objectives

1. This Guideline covers the practicable investigation of cracked concrete members or structures, cause estimation, evaluation, judgment of the necessity of repair or strengthening, selection of the most effective repair and strengthening method, and the case examples. This guideline applies mainly to in-situ cast concrete structures.
2. This Guideline covers the cracks generated in a concrete member or structure after casting and during the service period.
3. The main users of this guideline are the owners including managers of the concerned structures. Also engineers who are working for investigation, cause estimation, evaluation, judgment, and repair or strengthening of cracked concrete structures are included.

Tentative Seminar Topics

- ✓ Procedure of Investigation, Repair and Strengthening of Cracked Concrete
- ✓ Investigation of Cracked Concrete
- ✓ Cause Estimation of Cracks based on Investigation
- ✓ Evaluation of Cracked Concrete
- ✓ Judgment on the Necessity of Repair and Strengthening
- ✓ Repair and Strengthening Methods

Tentative Presentation Time, Contents and Speakers

- | | |
|----------|--|
| 60 mins. | Introduction and Investigation of Cracked Structures
by Prof. Dr. N. Otsuki, Tokyo Institute of Technology |
| 60 mins. | Cause Estimation
by Prof. Dr. N. Otsuki, Tokyo Institute of Technology |
| 60 mins. | Evaluation of Cracked Concrete and Judgment on the Necessity of Repair and Strengthening
by Associate Prof. Dr. Kei-ichi Imamoto, Tokyo University of Science |
| 90 mins. | Repair and Strengthening Methods
by Prof. Dr. Makoto Hisada, Tohoku University |



Seminar of Practical Guideline for Investigation, Repair and Strengthening of Cracked Concrete Structures -2009

Registration & Payment:-

Registration is confirmed upon payment.

Cheque should be crossed and made payable to “Singapore Concrete Institute” and mail it together with your completed registration form to:

Block 342 Ang Mo Kio Ave 1 #03-1563 Singapore 560342.

Please register early as a huge turnout is expected and seats are limited.

Fees: S\$90.00 (for SCI Members) S\$120.00 (for Non-Member)
(Fee includes course materials, lunch and refreshments)

**** Closing Date : 4th March 2011**

Enquiries/Contact (SCI):-

Tel: 6552 0674

Email: scinst@scinst.org.sg

Contact: Ms Edina Koh

No.	Name of Participant	Membership No.
Payment Mode :- Cheque (Bank/No. _____) Amount : S\$_____		
Company :		
Address :		
Tel No.	Email Address :	
Fax No.	Contact Person :	