

# Multifunctional Cementitious Construction Materials: From development to application

An Evening Talk with Professor Dr.-Ing. Frank Dehn  
Leipzig University/Germany

Organised by:



## Synopsis

In recent years, concrete become a "high-tech" construction material because of developments in materials technology, by the understanding of fundamental relationships as well as due to experimentally and numerically driven modelling and design.

Nowadays, concretes are specifically developed for various fields of application. Modern types of concrete need to be sustainable and must be multiple resistant in terms of combined chemical, mechanical and physical exposures.

This presentation will give an exemplary overview about **new trends in cementitious materials technology** - e.g. innovative binder systems, SCM, geopolymers, alkaline-activated binders, fibres, etc. and spans a wide range from basics to practical applications. Additionally, the presentation will illustrate presently available **code-type models** which can be applied for the description of concrete behaviour.

## About Professor Dr.-Ing. Frank Dehn



Professor Dr. Dehn is the Executive Director of Leipzig Institute for Materials Research and Testing (MFPA), Leipzig/Germany. He is also a full Professor of Multifunctional Construction Materials at the Institute for Mineralogy, Crystallography and Materials Science (IMCM), Faculty for Chemistry and Mineralogy, at Leipzig University/Germany.

Professor Dr. Dehn is the member of the General Assembly of the International Federation for Structural Concrete (*fib*) and German Delegate to *fib*>. He is the elected member of the *fib* Presidium from 2015 – 2018.

He is also the chairman of *fib* Commission 8 Concrete and the Convenor of *fib* Task Group 8.10 "Performance-based Specifications for Concrete" and 8.11 "Fire Resistant Concretes and Cementitious Composites for Tunnel Constructions".

## TALK DETAILS

**Date** : 22 August 2014 (Friday)

**Time** : 6.00 pm - 8.00 pm  
Buffet dinner will be served after the talk

**Venue** : Singapore Polytechnic  
500 Dover Road S(139651)

**Fee** : ACI SC Member - Free  
Non-member - S\$50 nett per pax

(Non-members who sign up for this talk will get a free 1-year membership from ACI-SC)

## REGISTRATION

Please register early to avoid disappointment. Registration is only confirmed upon receipt of payment. No walk-in registration is accepted on actual day.

For further enquiries, please contact our appointed Event Manager:

**Connexis Learning Pte Ltd**

Ms Stella Lim / Tel: 6523 8932

Email: stella@connexis.com.sg

## REGISTRATION

**Yes / I/We would like to attend the evening talk on 22 Aug 2014.**

**FAX TO: (65) 6523 8936**

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### GUESTS' INFORMATION

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### Payment

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### Withdrawal

There will be no refund for withdrawal but replacements are allowed.

### Cancellation

The organiser reserves the right to substitute an equally-qualified speaker, change the venue, cancel or reschedule the talk should unforeseen circumstances warrant it.