

## RASTA – Center for Road Technology

in association with  
**Indian Concrete Institute**  
Bengaluru Centre  
presents

A One-day National Workshop on

# Durability of Concrete



 **Saturday, April 29, 2023**

 Seminar Hall, RASTA - Center for Road Technology  
Volvo Construction Equipment Campus  
No. 7 & 8, Peenya Industrial Area Phase-I,  
Bengaluru – 560058.

"Those arriving by Metro, please alight at PEENYA  
INDUSTRY stop. Its 10min. walk from there."

Click For Directions



### ABOUT THE WORKSHOP

India, being a vast, highly diverse country and one of the fastest growing economies in the world\* faces tremendous challenges and opportunities in Infrastructure Development which necessitates the current civil & construction fraternity belonging to both government and private sector to contribute to the socio-economic development. Cement Concrete being the second most consumed material in the world, it requires thorough augmentation & validation of its physico-chemical properties. Hence, the study on concrete durability becomes inevitably important. Extensive experience demonstrates that the durability of concrete structures is related not only to the material & design aspects but also relates to improper construction practices. Extensive usage of SCMs (Supplementary Concrete Materials) in Ready Mix Concretes results in higher heterogeneity, due to which the quality of concrete structures shows high scatter and variability. The diligent efforts put in by the *Centre of Excellence in Concrete (CEC)* of ICI-BENC is a timely development on durability of concrete which is related to performance-based specifications. Workshop offers pertinent application knowledge and intends to assist the Cement and Concrete Industries, Consulting Engineers, Government Officials, Contractors, Academicians, Researchers etc. as there are very little references related to Performance based specification on Durability of Concrete.

### ABOUT RASTA

RASTA (Resource centre for Asphalt and Soil Training Academy) - Center for Road Technology started in Bengaluru in the year 2002. RASTA, a non-profit organisation, is an initiative of Prof. C.E.G Justo and is currently managed by Volvo Construction Equipment India Pvt. Ltd. It is an Extension and Research Centre of Visvesvaraya Technological University, Belgaum. The vision of RASTA is to be a Centre of Excellence for Road and Infrastructure research & practice in the country, which it aims to achieve through excellence in its 4 verticals Viz., Academics, Training, Research and Consultancy.

### ABOUT ICI

Indian Concrete Institute is a leading professional organization catering to the professional needs of individuals and organizations involved in Concrete Construction. Being a not-for-profit Organization, it is also dedicated to the noble cause of dissemination of knowledge & promotion of Concrete Technology and Construction also addressing the research needs.

### ABOUT RESOURCE PERSONS

#### Dr Manu Santhanam

Professor, Building Technology & Construction Management Division Associate Dean, Industrial Consultancy and Sponsored Research (ICSR), IIT-Madras, Chennai, Veteran Concrete Technologist & Researcher.



#### Shri V R Kulkarni

Veteran Concrete Technologist and Researcher for over 3 decades, Former President of ICI, Former Head-R&D, ACC Cements Ltd., Author of ICI Handbook on Concrete Durability



#### Shri Mark Alexander

Emeritus Professor and Senior Research Scholar at the University of Cape Town, South Africa. Former President, RILEM. Experienced Researcher in durability of Concrete & distinguished author.



#### Dr Jayachandran K

Experienced researcher Doctor of Philosophy (Ph.D.) from IIT Madras focused on durability of construction materials and service life estimation of concrete structures.



#### Dr R V Ranganath

Professor, Department of Civil Engineering, BMS College of Engineering, Bengaluru. Former Principal, BMSIT, Veteran Concrete Technologist & Researcher



#### Dr Manamohan R Kalgal

Practicing independent Structural Consultant, Former Technical Advisor – Ultratech Cement Ltd., Former President, ICI, Industry-Academia Interaction Expert



Topics: Overview of Concrete Durability and its Control; Corrosion Mechanism and Prevention Methods; Durability of Special Concretes; Performance Approaches for Durability with examples; Performance Specifications in Construction Projects and Proposed inclusions in IS:456.

## THEMES OF THE WORKSHOP

**RASTA**

CENTER FOR ROAD TECHNOLOGY

One-day National Workshop on  
"DURABILITY OF CONCRETE"

On  
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INDIAN CONCRETE INSTITUTE  
BENGALURU CENTER

DURABILITY OF CONCRETE  
& ITS CONTROL

Dr Manu Santhanam

HANDBOOKS ON  
DURABILITY

Shri V R Kulakarni

KEY FACTORS INFLUENCING  
DURABILITY

Dr Jeyachandran K

DURABILITY OF SPECIAL  
CONCRETES

Dr R V Ranganath

CASE STUDY/PERFORMANCE  
STUDIES

Shri Mark Alexander

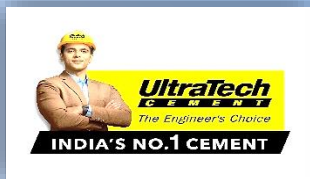
**RASTA**

CENTER FOR ROAD TECHNOLOGY



INDIAN CONCRETE INSTITUTE  
BENGALURU CENTER

Our esteemed Partners for this event:



## REGISTRATION

Registration Link after Payment – [Click Here](#)

Or

Scan Here ⇒



Delegate Type	Registration Fee (Includes 18% GST)
<b>Academics:</b> Faculty, Research Scholars, PG Students & Members of ICI, ACCE & INSTRUCT	Rs. 1,000/-
<b>Industry:</b> Government & Construction sector Professionals	Rs. 1,200/-
Hurry, Limited Seats; Register now!!	

/V

### MODE OF PAYMENT FOR DELEGATES:

Registration fees should be paid by **E-Payment** (Online mode) ONLY

Bank Name	HDFC Bank
Branch	Peenya Stage I, Bangalore
A/C Name	RASTA – Center for Road Technology
A/C Number	50200028930560
IFSC	HDFC0001232

### Note

- ✓ Registration fees include kit, e-certificate, and refreshments
- ✓ Participants will have to arrange for their transportation & accommodation.
- ✓ E-Certificate will be issued to all the participants
- ✓ Delegates are kindly requested to follow to the safety protocols of VOLVO CONSTRUCTION EQUIPMENTS Campus – **SAFETY FIRST !**

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INDIAN CONCRETE INSTITUTE  
BENGALURU CENTER

## TEAM RASTA-ICI

### Chief Patrons:

- Dr S Vidyashankar – Vice Chancellor, VTU
- Dr A Veeraragavan – Former Professor, IIT-Madras & Technical Advisor, RASTA
- Mr. Dimitrov Krishnan – MD, Volvo CE India Pvt. Ltd., Chairman, RASTA Trust
- Dr V Ramachandra – President Elect – ICI
- Er M Ravishankar – Vice President-South, ICI

### Organizing Committee:

- Er H R Girish – Chairman, ICI-Bengaluru Centre
- Dr G Kavitha – Associate Professor & Head, RASTA
- Prof R Suhas – Secretary, ICI-Bengaluru Centre
- Dr K M Mallesha – Head - Consultancy, RASTA
- Dr M A Jayaram – Professor, RASTA
- Dr Jaya R S – Associate Professor, RASTA
- Prof Aravind Sagar B – Assistant Professor, RASTA

### Registration & Logistics:

- Er Lingaraj Hiremath – RASTA – 8073123414
- Er Vaishakh K – RASTA – 9845789916
- Er Surya Kiran – RASTA – 9632152088
- Md. Pasha – ICI – 89516 07887