



**INDIAN CONCRETE INSTITUTE**  
Bengaluru Centre

In association with  
Organises



**DAYANANDA SAGAR  
COLLEGE OF ENGINEERING**  
Bengaluru

1-Day National Seminar on

# Geopolymer Concrete Applications: Challenges and Opportunities

(Smart Techniques and Solutions for Ecofriendly Sustainable Constructions)



On 18th February 2020, Tuesday

Venue: Prem Chandra Sagar Auditorium, DSCE, Kumaraswamy layout Bengaluru – 560 078

## INTRODUCTION: GEOPOLYMER CONCRETE

In this drastically developing world it becomes very important for us as civil engineers to focus both on the global development and also its impact on the environment. This kind of approach leads to many innovations and researches which helps in conserving the environment without compromising on the developments. One such innovative technology is the geopolymer concrete.

Geopolymer concrete is an eco-friendly technology which makes use of the waste by products (fly ash, ground granulated blast furnace slag, etc.) from the various other industries in the preparation of the concrete instead of the ordinary Portland cement (OPC). The evidences from various researches show that using of OPC in the preparation of concrete leads to almost 5-8% of the manmade global carbon-di-oxide emissions. By using materials like the fly ash and GGBS for the preparation of the concrete almost reduces the carbon-di-oxide emission by 90% when compared to the usage of OPC in concrete.



In line with this continuing endeavour, ICI-BENC is organising a 1-Day Seminar entitled “**Geopolymer Concrete Applications: Challenges and Opportunities**” on **18th February 2020, Tuesday, at Prem Chandra Sagar Auditorium, Dayananda Sagar College of Engineering, Bengaluru**. Get to know from the experts and hands-on professionals will speak on vital aspects.

Please register early to book your seats in advance, as registration is limited. Limited Sponsorship slots are also available. Please get in touch with ICI-Bengaluru Centre office. For more information and for registration (contact details mentioned overleaf).

We look forward to meet you at this Seminar for a wonderful interaction of professionals, knowledge-updation and skill-enhancement.

### TO REGISTER AND FOR MORE DETAILS, PLEASE CONTACT:

**Dr. L R Manjunatha**  
Chairman, 9480682100

**Dr. R L Ramesh**  
Secretary, 98456 57560

### Indian Concrete Institute – Bengaluru Centre, Karnataka

No.2, UVCE Alumni Association Building, K. R. Circle, Bengaluru – 560001. Phone: 080-22224803

Email: icikbc@gmail.com, secretary.icikbc@gmail.com Website: <http://www.icikbc.org>, <http://www.indianconcreteinstitute.org>

**EX-OFFICIO** : Er. Ravishankar M, Dr. Radhakrishna

**Members** : Er. Shivaprakash G, Er. Narayana Gowda T N, Dr. Anand Kumar B G

**Co-opted Members** : Er. Raghavendra D, Er. Vishwanath Dalawai, Er. Savin Kumar, Dr. Asha K, Dr. Neethu Urs, Er. Srivatsa S

Supporting Institutions



Media Partner



Online Media Partner



1-Day National Seminar on

## “Geopolymer Concrete Applications: Challenges and Opportunities”

On 18th February 2020, Tuesday

Venue: Prem Chandra Sagar Auditorium, DSCE, Kumaraswamy layout Bengaluru – 560 078

### Session - 1

**Keynote address & Presentation on –  
A comparison between concretes made using  
Geopolymer and Portland cement as binders**



**Dr. Rajamane N P**

Head - CACR  
SRM Institute of Science and Technology,  
Chennai.

### Session - 2

**Presentation on –  
Geopolymer: An Alternative Binder**



**Dr. R V Ranganath**

Professor, Dept of Civil Engineering,  
BMS College of Engineering, Bengaluru.

### Session - 3

**Presentation on –  
Geopolymer composites to cater the needs of  
costal area producing the same by using marine water**



**Dr. T. Venu Madhav**

PRINCIPAL  
Audisankara Institute of technology  
Gudur (A.P), India.

### Session - 4

**Presentation on –  
Development and applications of Geopolymer masonry**



**Dr. Radhakrishna**

Professor & Head, Dept of Civil Engineering,  
R.V. College of Engineering, Bengaluru

### Session - 4

**Presentation on –  
Applications of Geopolymer Concrete**



**Prof. SK Singh**

Senior Principal Scientist & Professor, AcSIR,  
CSIR-Central Building Research Institute,  
Roorkee-India



Please Note: Schedule is subject to modifications depending on contingencies that may arise.

### DELEGATE FEE:

Members of ICI, ACCE, INSTRUCT	- Rs. 1,500
Non-member	- Rs. 2,000
ICI Student Member	- Rs. 750
Non-Student Member / Research Scholars	- Rs. 1,000

For Payment through online banking, please note the following details:

**Electronic Transfer: RTGS / NEFT Details :**

Account Name : Indian Concrete Institute – Karnataka, Bangalore Centre  
Account No. : 04121010000530  
Account Type : Current Account  
Name of Bank : Syndicate Bank  
IFSC Code : SYNB0000412  
Branch Name & Address : **J.C. Road Branch**, Jasmine Mansion, J C Road,  
Bengaluru – 560 002 Karnataka.  
Pan No : AAATI0256J / GSTN No : 29AAATI0256J12M

### SPONSORSHIP & MARKETING COLLATERALS:

**Gold Sponsor: Rs.50,000/-** (Includes free admission to 5 delegates + insert of Three technical literatures in Delegate Kit). Presentation slot of 10 minutes will be allowed + One standee space & Logo display at backdrop.

**Silver Sponsor: Rs.25,000/-** (Includes free admission to 3 delegates + insert of Two technical literatures in Delegate Kit). One standee space & Logo display at backdrop.

**Supporting Orgn.: Rs.15,000/-** (includes free admission to 2 delegate + insert of One technical literature in Delegate Kit) & Logo display at backdrop.

**Rs.10,000/-** Insertion of Two-Marketing collaterals in Delegate Kit:

**Above payments are excluding GST 18%**

Please email receipt / reference number clearly mentioning your name and date of remittance, to: [icikbc@gmail.com](mailto:icikbc@gmail.com), so as to receive a confirmation of your registration from ICI office.

**GET TO KNOW MORE FROM EXPERTS & PRACTISING PROFESSIONALS IN THE INDUSTRY. ENROLL TODAY!**

*Limited Seats. Please registration early as registration is on 'First-come-first-served' basis.*

*\*Session durations subject to change. Decision of ICI-BC shall be final and binding on matters of interpretation w.r.t this Seminar.*



# INDIAN CONCRETE INSTITUTE

## BENGALURU CENTRE, KARNATAKA



No.2, U.V.C.E. Alumni Association Building, Dr. B. R. Ambedkar  
Veedhi, K. R. Circle, Bengaluru-560001.  
Phone: 080-22224803, 0-8951607887  
E-mail: icikbc@gmail.com, website: www.icikbc.org

Presents

One Day National Seminar on

### *“Geopolymer Concrete Applications: Challenges and Opportunities”*

*(Smart Techniques and Solutions for Eco-friendly Sustainable Constructions)*

**On 18th February 2020, Tuesday**

Venue: Prem Chandra Sagar Auditorium,  
Dayananda Sagar College of Engineering, Kumaraswamy layout Bengaluru – 560 078

### REGISTRATION FORM

Name \_\_\_\_\_ Designation \_\_\_\_\_

Organisation \_\_\_\_\_

Mailing address \_\_\_\_\_

Phone \_\_\_\_\_ Mobile \_\_\_\_\_ Email \_\_\_\_\_

Would like to participate in the following manner (Tick whichever is applicable)

Delegates	Amount Rs	Sponsorship	Amount Rs
<b>Members of ICI, ACCE &amp; INSTRUCT:</b>	– Rs. 1,500	<b>Gold Sponsor</b>	– Rs. 50,000/-
<b>Non-member:</b>	– Rs. 2,000	<b>Silver Sponsor</b>	– Rs. 25,000/-
<b>ICI Student Member:</b>	– Rs. 750	<b>Supporting Organisation</b>	– Rs. 15,000/-
<b>Non-Student Member / Research Scholars:</b>	– Rs. 1,000	<b>Insertion of Two-Marketing Collaterals in Delegate Kit</b>	– Rs. 10,000/-
<b>Delegate registration fee is Including GST 18%</b>		<b>Above sponsorship payments are excluding GST 18%</b>	
<b>Please email receipt/reference number clearly mentioning your name and date of remittance, Email to: icikbc@gmail.com, so as to receive a confirmation of your registration.</b>			

Rs. \_\_\_\_\_ (Rupees. \_\_\_\_\_ only)

By Cheque / DD / CASH / NEFT and Cheque / DD No: \_\_\_\_\_ Date \_\_\_\_\_ Bank \_\_\_\_\_ Place \_\_\_\_\_

In case of NEFT / RTGS, please mention Transaction Reference Number / ID and date of transaction.

Transaction Reference Number / ID \_\_\_\_\_ Date of transaction \_\_\_\_\_

#### **Electronic Transfer - RTGS / NEFT Details:**

**Account Name: Indian Concrete Institute - Karnataka Bangalore Centre**

PAN No.: AAATI0256J / Service Tax Reg. No.: AAATI0256JSD003 / GSTIN: 29AAATI0256J1ZM

Bank Name: Syndicate Bank, IFSC Code: SYNB0000412

Branch Name & Address: J. C. Road Branch, Jasmine Mansion, J.C. Road, Bengaluru-560002.

Account Type: Current Account No.: 04121010000530

Place: \_\_\_\_\_

Date: \_\_\_\_\_

Signature

(In case of Corporate Delegate or Sponsor, please affix official seal)