

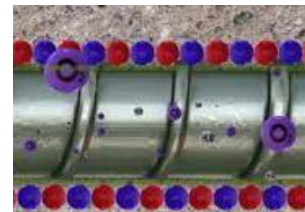
## 5<sup>th</sup> 1-day seminar on Corrosion Control in Concrete Structures (C<sup>3</sup>S) (Mechanisms, Testing, Monitoring and Mitigation)

December 4, 2021 (Saturday); via Online Webex platform

### Sponsors



### About the Seminar



India is witnessing a significant boom in the construction of concrete bridges, ports, buildings, etc. in marine /coastal environment. Some of these concrete structures are designed for the service life 100+ years. However, many are experiencing premature corrosion and not able to meet the design life requirements due to chloride-rich environment. Almost 50% of the concrete structures today experience a repair within about 10 years. India spends about ~1 to 2 % of GDP in addressing the corrosion issues in concrete infrastructure. If we do not take adequate measures in this regard, then the future India will have to face expensive repair works on the large number of concrete structures that are being built now. This seminar series is formulated to educate our engineers on how to combat corrosion in concrete structures with a blend of both theoretical & practical aspects.

### Programme Schedule

Time	Topic	Speaker
09:15 – 09:30 am	<b>Welcome address</b>	Dr. U. Kamachi Mudali, IIT Madras
09:30 – 10:00 am	Marine corrosion and biofouling	Dr. R. Venkatesan, NIOT, Chennai
10:00 – 10:30 am	Marine environmental factors and steel corrosion	Dr. Toleti Subba Rao, President, NIGIS SZ
10:30 – 11:00 am	Corrosion of coated rebars in concrete structures	Dr. Deepak Kamde, IIT Madras
11:00 – 11:30 am	<b>Break</b>	
11:30 – 12:00 pm	Corrosion inhibitors and service life enhancement	Dr. K. Jayachandran, NIT Calicut
12:00 – 12:30 pm	Performance specifications for concrete structures	Prof. Manu Santhanam, IIT Madras
12:30 – 01:00 pm	Discussion	
01: 00 – 02:00pm	<b>Lunch break</b>	
02:00 – 02:30 pm	Laboratory testing of corrosion – Basic principles	Dr. S. Rangarajan, Ex-BARC, Kalpakkam
02:30 – 03:00 pm	Field testing of corrosion in concrete structures	Mr. Vijay Kulkarni, Former President, ICI
03:00 – 03:30 pm	Cathodic protection - Principles	Dr. Radhakrishna G Pillai, IIT Madras
03:30 – 03:45 pm	<b>Break</b>	
03:45 – 04:15 pm	Cathodic protection – Case studies in India	Mr. Dhruvesh Shah, Vector Corr. Tech.
04:15 – 04:45 pm	Concrete surface coatings	Mr. S. Ravichandran, Berger Paints
04:45 – 05:00 pm	<b>Discussion &amp; Closing</b>	

### Registration Fee (including GST)

Full-time Faculty/Students – Rs. 500/-;

Practicing engineers and others - Rs. 1,000/-

Please Register online at <https://icichennai.org/registration.php>

You will receive an email with a link for making the payment online.

### Contact:

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