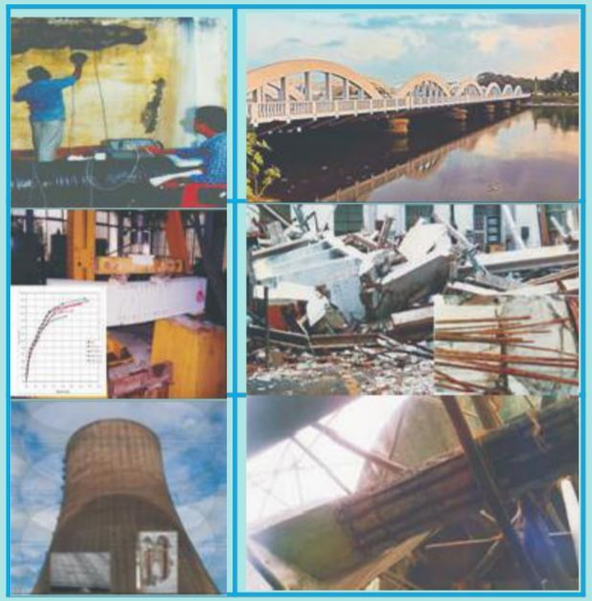
Online Advanced Course on
Corrosion of Reinforcement and its Control (CRC-2021)

Duration: - 7-8 October 2021



Organised by
CSIR-Structural Engineering Research Centre
CSIR Campus, Taramani,
Chennai – 600 113, India

CSIR-Structural Engineering Research Centre

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Background

Corrosion of plain carbon steel reinforcement in concrete structures is a techno-economic problem for several reasons. Durability with regard to corrosion has become the key issue and it is recognized that the life cycle cost of civil infrastructures which are corrosion-prone has increasingly become unmanageable. This is more true in the case of bridge structures world-wide. Therefore, efforts are to be more focused towards this durability issue taking into account both technical and economical aspects. There are number of corrosion protection methods which have been developed recently and each one takes care of one or more parameters which influence corrosion. Further, such protection measures need to be applied with excellent quality control and also to be monitored periodically.

Objectives

Since corrosion is recognized as one of the major durability problems in concrete structures, construction and maintenance engineers need to know more about the corrosion process, mechanism, and influencing factors, methods for identifying corrosion, corrosion control aspects, Repair methods, etc. Realizing this need, CSIR-SERC, Chennai is organizing this course

Course Contents

The course will cover the present state-of-the-art knowledge in the related theme and deal with practical aspects of corrosion problem. The course will cover various aspects like Corrosion process, Electrochemical aspects of corrosion of rebar and test methods, Condition assessment of concrete structures - with particular emphasis on corrosion aspects, Materials and techniques for rehabilitation, Corrosion in pre-stressed concrete structures, Performance-based design and specifications for reinforced concrete structures.

Fees and Registration

Rs.1000/- per participant inclusive of GST for Indian delegates and US$25 for foreign delegates. Participation certificate shall be provided to all the registered participants. The brochure can be downloaded from the CSIR-SERC website: https://serc.res.in/course
The course registration can be completed via online
http://forms.serc.res.in/view.php?id=33087

Kindly select the present course in the form and fill all the particulars. The registration fee for the course can be paid by clicking the SBI collect in the registration form.

Requirements for the online mode

Desktop/Laptop/Smartphone with good internet speed and sufficient data pack. A web link will be sent to the registered participants for joining the course.

For further details, please contact

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