Azadi Ka Amrit Mahotsav

CSIR–SERC
ENGINEERING SUSTAINABLE STRUCTURES

RINA

Advanced Course on

Recent Advances in Concrete Technology & Durability of Concrete Structures 2023 (RACT & DCS 2023)

22-24 November 2023

G20 भारत 2023 INDIA

S20 SCIENCE 2023 INDIA

Organized by

CSIR - Structural Engineering Research Centre
CSIR Campus, Taramani
Chennai - 600113, India

About the organization

CSIR-Structural Engineering Research Centre (CSIR-SERC), Chennai, is one of the national laboratories under the Council of Scientific & Industrial Research, India. CSIR-SERC has built-up excellent facilities and expertise for the analysis, design and testing of structures and structural components. Scientists of CSIR-SERC serve on many national and international committees and the Centre is recognised at the national and international levels as a leading research institution in the field of Structural engineering. CSIR-SERC is an ISO certified institution.

Overview

CSIR-SERC is conducting skill development programmes with the motive of creating skilled work force. Recent Advances in Concrete Technology & Durability of Concrete Structures (RACT & DCS) is one such programme being carried out for the past six years. The primary objective of the course is to provide an opportunity for researchers, practising engineers, academicians and consultants, belonging to the public and private sector institutions, and other engineering professionals to familiarise themselves with the recent developments in concrete technology, durability related issues as corrosion of reinforced concrete structures, condition assessment by non-destructive testing (NDT) and repair & rehabilitation.

Course Content

The course will cover various topics such as Special concretes viz foam concrete, ultra high performance concrete, geopolymer concrete, textile reinforced concrete, recycled concrete, concrete durability, durability of RC structures including underground concrete, recent advances in durability based service life design, microstructural characterisation techniques for cementitious composites, Nano-engineered electrically conductive composite, Health monitoring and performance evaluation of structures, Field experience and issues during concrete construction, Time dependent properties of fly ash concrete, CO_2 Sequestration and 3D printing of concrete.

Faculties

Faculty for the course would comprise mainly scientists from CSIR-SERC and experts from reputed research/ academic institutions / industry.

Venue & Duration

Training & Development Complex, CSIR Campus.
Three days ; Timing 09:00 a.m. to 05:30 p.m.

Fee & Registration details

Rs. 9000/- per participant inclusive of GST for Indian participants and US $ 400/- for foreign delegates. The fee includes the cost of course material, lunch and refreshment during the course period. The brochure and details of the registration can be downloaded from the CSIR-SERC web site. www.serc.res.in/course

Travel, Boarding and Lodging Arrangements

Travel, boarding and lodging expenses of the participants will have to be borne by them or their sponsoring organizations. However, limited accommodation may be provided on payment basis at the CSIR-SERC guest house on first-come-first served basis. Participants, who wish to avail this facility are advised to write to the course coordinator well in advance.

Course Coordinators

Dr (Ms). P.S. Ambily & Dr. S. Bhaskar,
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