Registration

Fee

INR 1500/- per participant inclusive of GST for Indian delegates and US$ 40/- for foreign delegates. Presentation material (in .pdf format) and participation certificate will be provided to all the registered participants.

Procedure

The course registration can be made via online form which can be obtained using the url below;

http://forms.serc.res.in/view.php?id=88023

Please choose/select the intended course title in the online registration form and fill all the particulars and pay the registration fee by clicking the SBI collect in the registration form.

Promo

Scan QR Code:

RAEE 2022

Advanced Course on

Recent Advancements in Earthquake Engineering

16-18 November 2022

For further details, please contact Coordinators

Dr. Balasubramanian S R
email: srbala@serc.res.in
Ph: +91 44 2254 9226; +91 96771 79507

Dr. G V Rama Rao
email: ramarao@serc.res.in
Ph: +91 44 2254 9227; +91 94441 66829

CSIR- Structural Engineering Research Centre
(An ISO 9001:2015 Certified Organisation)
CSIR Campus, Taramani, Chennai - 600113, Tamil Nadu

RAEE 2022

Course Details

Overview

CSIR-Structural Engineering Research Centre, Chennai is one of the constituent laboratories of Council of Scientific & Industrial Research (CSIR), India. CSIR-SERC has been certified as ISO 9001:2015 quality institution. It has excellent facilities and expertise for developing and evaluating structural components and structure. As part of the CSIR Integrated Skill Initiative, CSIR-SERC is organizing the Advanced Course on Recent Advancements in Earthquake Engineering in online mode.

Background

The current principal challenge in Structural Engineering lies in developing Innovative Concepts to protect buildings and structures during all sorts of natural and man-made hazards. As per Indian Standard IS:1893 (Part 1) 2016, in the revised Seismic Zonation map, 59% of the land area is covered under moderate to severe earthquake hazards and about 120 million buildings are falling within the seismic zones III - V. Advanced Seismic Testing and Research (ASTaR) Laboratory, with its state-of-the-art testing facilities, has contributed to fundamental and applied research in the field of Earthquake Engineering of

Objectives

The course is intended with the objective of disseminating the knowledge and expertise accrued over the years to a larger engineering fraternity. The course would allow the participants to familiarize themselves with the recent advancements. It is sincerely expected that the course would be useful for students, researchers, scientists, academicians, design and practicing engineers, managers and other engineering professionals working or intended to work in the area of earthquake engineering and also, would provide direction for future developments in this area.

Course Contents

The course is envisaged to familiarize the participants with the Recent Advancements in Earthquake Engineering including, revisions in the Seismic Standards and their Implications, Performance-Based Seismic Design, Seismic Safety and Retrofitting Methodologies of Seismically Vulnerable Open Ground Storey Buildings, Seismic Resilience and Risk Evaluation of Buildings, Seismic Damage Gradation for Structural Brick Masonry Buildings, Seismic Resilience-Based Design of Steel Structures, Performance of Buildings and Structures against Seismic and Extreme Wind Loads- Multi-Hazard Contra-Requirements, Contemporary Seismic Testing and Evaluation Methods, Passive and Semi-Active Devices of Response Control of Structures, and, Cyber-Physical System Approach for Advanced Seismic Testing of Structures.

Requirements for the online mode

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

Prerequisites

The registrants to the course can ensure adequate knowledge on the background to the course contents through academic qualifications/working experience to fully exploit the benefits of attending the advanced course.