

# National Workshop on SEISMIC DESIGN OF EARTH STRUCTURES & FOUNDATIONS FOR HIGH RISE BUILDINGS

26th June 2010 at IIIT Hyderabad  
9am-5pm

## OVERVIEW

Seismic Design of earth structures and foundations is very important problem related to geotechnical earthquake engineering. Most of the design codes for earthquake resistant design of foundations, slopes and retaining structures still follow conventional methodology which has been shown to be improper and unsafe by several recent researchers. In spite of the significant progress in geotechnical earthquake engineering practice in the recent past, clarification or additional work is required to improve the current state of practice. National Workshop on Seismic design of earth structures and foundations is a platform provided for geotechnical and structural engineers, young researchers, practitioners and post-graduate students working in the area of Earthquake Engineering. This helps to forge a stronger symbiotic relationship between the academia and the professionals.

Many Indian earthquakes in the past clearly demonstrated the important role that geotechnical conditions play under strong earthquake shaking. Another major challenge of earthquake geotechnical engineering is the soil liquefaction under seismic ground motion. The liquefaction caused damages to built habitats in the 1964 Niigata (Japan) and the 1964 Anchorage (USA) earthquakes gave a great deal of impetus to research in this area. Clearly, the subject of earthquake geotechnical engineering is rather new and evolving. Much of the research in this area does not get translated into the design practice even for major projects, particularly so in the developing countries. Currently, India is undergoing huge infrastructural development and therefore it is very important to implement the best earthquake engineering practices. This workshop will bring together eminent speakers from different parts of the country to deliver special lectures on design of earth structures and foundations under seismic condition.

## WORKSHOP THEMES

- Seismic Design of Shallow Foundations
- Seismic Design of Deep Foundation for High Rise Buildings
- Seismic Design of Bridge Foundations
- Seismic Design of Retaining Walls
- Seismic Design of Dams
- Seismic Design of Slopes

## KEYNOTE SPEAKERS

Eminent Speakers from IITs, IISc etc will be invited to deliver keynote lectures during the workshop

## WHO SHOULD ATTEND?

Workshop should be of interest to practicing engineers, architects, government and private organizations involved in construction, Industry, faculty members and students.

## REGISTRATION

- Up to 31st May 2010 Rs 1000/-
- After 31st May 2010 Rs 1500/-

Registration fee should be paid through crossed DD drawn in favour of IIIT Hyderabad payable at Hyderabad. Students can avail 50% concession on registration fee.

## ACCOMMODATION on IIIT Hyderabad Campus

If you require accommodation on IIIT-H Campus, rush your request immediately. Limited accommodation is available in Executive Hostel on campus on payment of Rs.300 per person per day.

## ABOUT IIIT HYDERABAD

International Institute of Information Technology, Hyderabad is an autonomous, self-supporting research institution established in 1998 with seed support from the Government of Andhra Pradesh. Major goal of IIIT-H is to impart a uniquely broad and interdisciplinary IT education of the highest academic quality. This is achieved through an integrated curriculum that consists of a highly diverse set of IT courses, interdisciplinary IT research projects, day-to-day interaction with industry, preparation in entrepreneurship and personality development courses. For more details, visit [www.iiit.ac.in](http://www.iiit.ac.in)

## ABOUT EERC

The large and rapidly growing urban seismic risk in India is a problem that needs to be quickly solved. Pre-disaster planning i.e., mitigation and preparedness can have a good impact on minimizing the post-disaster response i.e, emergency, rescue and rehabilitation. This also reduces tragedy and suffering to a great extent. Main reason for the casualties is collapse of buildings. In order to ensure the construction of safe building infrastructure, we need to address several issues. To contribute to some of the issues, IIIT Hyderabad established Earthquake Engineering Research Centre (EERC). The following are the thrust areas on which EERC is conducting extensive research.

- Seismo-tectonics of Indian plate
- Estimation of seismic hazard
- Collapse simulation and damage assessment
- Earthquake risk mitigation through awareness and preparedness

For more details, visit <http://eerc.iiit.ac.in>

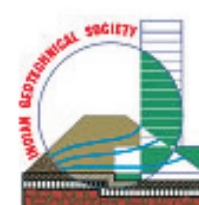
## ADDRESS FOR COMMUNICATION

Neelima Satyam D, Ph.D  
Assistant Professor  
Earthquake Engineering Research Centre  
International Institute of Information Technology  
Gachibowli, Hyderabad - 500 032, India  
Ph: 040-6653 1318  
Email: [neelima.satyam@iiit.ac.in](mailto:neelima.satyam@iiit.ac.in)

*Organized By*

*In association with*

**Earthquake Engineering Research Centre**  
**International Institute of Information Technology**  
**Gachibowli, Hyderabad - 500 032, India**



**Indian  
Geotechnical  
Society  
Hyderabad Chapter**



NATIONAL CONFERENCE ON  
EARTHQUAKE RESISTANT DESIGN OF RETAINING STRUCTURES,SLOPES AND FOUNDATIONS

HYDERABAD  
26th June 2010  
Registration Form

Name: \_\_\_\_\_

Affiliation: \_\_\_\_\_

Position: \_\_\_\_\_

Address: \_\_\_\_\_

Phone No: \_\_\_\_\_

E-mail: \_\_\_\_\_

Fax:  
I enclose a crossed demand draft drawn in favour of IGS Hyderabad payable at Hyderabad. D.D. No:----- dt.

Bank:

Amount: Rs.

Date:

Signature

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