

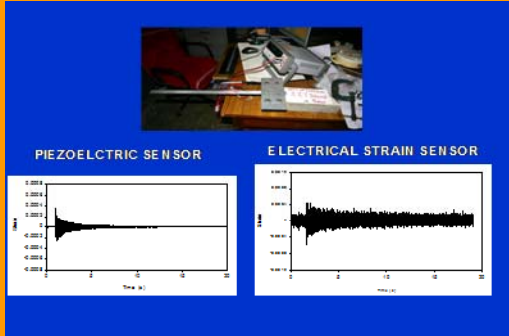


# INDO-SINGAPORE WORKSHOP ON ADVANCES IN SMART MATERIALS AND STRUCTURES

Seminar Hall, IIT Delhi, 12 December 2010



Under the aegis of VETOMAC-VI (2010)



## VENUE AND TIMING

Venue : Seminar Hall, IIT Delhi  
Registration starts : 8:30am

## ABOUT THE WORKSHOP

The field of smart materials and structures, a multi-disciplinary domain, is of substantial interest to civil, mechanical, instrumentation and aerospace engineers, material scientists and physicists. During the last two decades, smart materials (like piezoelectric and fiber-optic materials) have made significant contributions in our lives. Recent years have witnessed significant breakthroughs in applications of smart materials for health monitoring of civil structures and machinery, structural control as well as bio-mechanics. However, a majority of practicing engineers are not fully aware of the fundamental principles, necessary know-how and potential applications of these materials in their fields.

This workshop aims to provide a forum for disseminating the recent technological advancements and practices in this field, mainly from the research work done in India and Singapore. It will provide a rare opportunity to the participants to be aware of the latest know-how in the application of smart materials. About 300 participants from around the industry and the academics are expected to attend the workshop.

## TOPICS COVERED

- Structural health monitoring using piezo-electric transducers
- Instrumentation and monitoring of real-life structures
- Fatigue life assessment using electro-mechanical impedance technique
- Seismic control using magneto-rheological (MR) dampers
- Fiber-optic sensors in concrete technology
- Virtual lab for knowledge dissemination in smart materials and structures

## WHO SHOULD ATTEND?

- Practicing Engineers (Civil/ Mechanical/ Aerospace/ Instrumentation)
- Material Scientists and Physicists
- Academicians and Researchers
- Bridge and Highway Maintenance Engineers
- Members of Professional Bodies
- Students
- Local and Regional Authorities in Science and Technology

## SPEAKERS



**Professor C. K. Soh**, Department of Civil and Environmental Engineering, Nanyang Technological University, Singapore.



**Professor T. K. Datta**, Department of Civil Engineering, Indian Institute of Technology Delhi.



**Professor Bishwajit Bhattacharjee**, Department of Civil Engineering, Indian Institute of Technology Delhi



**Dr. Suresh Bhalla**, Department of Civil Engineering, Indian Institute of Technology Delhi

## HOW TO REGISTER?

### Individual registration

Send email to Dr. Suresh Bhalla (sbhalla@civil.iitd.ac.in), the Workshop Coordinator, with his/ her name, organization and affiliation, contact address, telephone and email.

### Group/ Corporate registration:

Send email to Dr. Suresh Bhalla (sbhalla@civil.iitd.ac.in) with list of names of persons attending along with one common contact information.

**LAST DATE FOR REGISTRATION IS 30 NOVEMBER 2010.**