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 Department of Civil Engineering, Thapar University, Patiala.

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Dr. Dwarikanath Ratha & Dr. (Mrs.) Shruti Sharma,
 Assistant Professor, Department of Civil Engineering, Thapar University, Patiala

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- Shri Deepak Bansal, DGM, HUDCO, New Delhi

7th National Conference

on

Wind Engineering (VII-NCWE)

November 21-22, 2014

http://www.7ncwethapar.com



ORGANIZED BY



Department of Civil Engineering
Thapar University
(Declared under Section 3 of UGC Act, 1956)

Patiala (Punjab) - 147004

IN ASSOCIATION WITH



Indian Society of Wind Engineering

VENUE

Thapar University, Patiala (Punjab) - 147004

INTRODUCTION

Wind Engineering deals with effects of wind in the natural and the built environment and studies the possible damage, inconvenience or benefits which may result from wind. In the field of structural engineering, it includes strong winds, which may cause discomfort as well as extreme winds such as tornado, hurricane or heavy storm, which may cause widespread destruction. In the fields of wind energy and air pollution, it also includes low and moderate winds as these are relevant to electricity production and dispersion of contaminants. Wind Engineering draws upon meteorology, fluid dynamics, mechanics, geographic information systems and a number of specialised engineering disciplines including aerodynamics and structural dynamics. The tools used are atmospheric models, atmospheric boundary layer wind tunnels and computational fluid dynamics models. Wind engineering involves among other topics:

- Wind impact on structures (buildings, bridges, towers)
- Wind comfort within and around buildings
- Effects of wind on the ventilation systems
- Wind climate for wind energy
- Air pollution near buildings
- High rise group housing development
- Full scale testing
- Wind tunnel facilities
- Wind induced disaster.

Wind Engineering may be considered by engineers/researchers to have common frontiers with earthquake engineering and explosion protection.

ABOUT THE CONFERENCE

The conference is intended for Academicians (from Universities, Institutes), Designers, Engineers, Consultants, Researchers & Members of professional bodies. Thapar University is organizing this conference jointly with ISWE. For more details about the conference, visit: http://www.7ncwethapar.com.

<u>CALL FOR PAPERS</u>: Full Length papers of six to eight pages following the guidelines given at http://www.7ncwethapar.com must be prepared and submitted before September 1, 2014. The submission can be made online at the website given above.

ABOUT ISWE

The Indian Society for Wind Engineering (ISWE) was established in 1993 and at present its total membership is 537. The main activities of ISWE are organization of National Conference on Wind Engineering (once in two years) and publishing a bi-annual Journal on Wind Engineering. The details about the society and its activities can be obtained from the website http://www.iswe.co.in.

IMPORTANT DATES

Last date of Submission of Full Length Paper : September 1, 2014
Notification of Acceptance of the Full Length Paper : September 30, 2014

N.B.: Selected papers from the Conference Proceedings will be published in the Journal of Wind & Engineering after review & modifications, if required.

CONFERENCE THEME

The National Conference on Wind Engineering (NCWE) is the forum to present new knowledge of Wind Engineering and Wind Energy and to exchange experiences. Scientists, Academicians, Technologists, Architects and Engineers from within the country and abroad are expected to meet to tackle new challenges regarding sustainability and wind climate.

Important themes for the conference include:

- Bluff Body Aerodynamics
- Wind Tunnel Testing
- Wind Power & Energy
- Codes of Practice / International Standards on wind loads
- Wind Climate Assessment
- Wind Environment / Human comfort
- Wind-Structure Interaction
- Wind Loads on low & tall Buildings
- Wind effects on Towers & Bridges
- Computational Fluid Dynamics & Computational Wind Engineering
- Instrumentation and Control
- Case Studies
- Full scale measurements

REGISTRATION FEE

Category	Indian Delegates	Foreign Delegates
Professional	₹ 4,000 /-	US \$ 150
ISWE Members	₹ 3,000 /-	US \$ 100
Student / Accompanying Member	₹ 2,000 /-	US \$ 75

Registration Fee can be paid through Demand Draft or Electronic Transfer(NEFT). For more details, visit: http://www.7ncwethapar.com.

TRAVEL & ACCOMMODATION

Patiala is well connected to rest of the country through Air, Rail and Road. The city can be easily reached from New Delhi Airport (about 250km) as well as Chandigarh Airport (about 70km). Limited accommodations in Thapar University Guest House may be arranged. However, a good number of hotels are available near the University premises.

COMMUNICATION

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REGISTRATION FORM 7th National Conference

Wind Engineering (VII-NCWE)

November 21-22, 2014

Name
Designation
Organitization
Postal Address
Telephone/ Mobile No.
E-mail
ISWE Membership No.
Registration Fee Rs
Demand Draft No Dated
(Drawn in favour of "NCWE2014" payable at Patiala) Participating as: Author / Delegate / Exhibitor / Sponsor
Date: Signature
(for Office use only)
Registration No.
Receipt No. & Date
Amount Received Rs.
Registration Fee can be paid through Demand Draft or Electronic Transfer(NEFT).



Account No :

Bank Name : State Bank of Patiala, Thapar University Campus 65194319179

Branch Code:

50244

IFSC Code

STBP0000244

N.B.: This registration form may be photocopied for more participation.

7th National Conference

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ABOUT THAPAR UNIVERSITY

Thapar University came into existence in 1956 as an engineering college named Thapar Institute of Engineering and Technology to produce high quality professionals to cater the needs of newly Independent India. The institute was granted full autonomy and status of a Deemed University in 1985 by the University Grants Commission. The University offers academic programs at undergraduate, post graduate and doctorate levels at various disciplines. Since its inception, the University has grown in size and activities with its alumni excelled within the industry, academics and administration both in India and abroad.

ABOUT DEPARTMENT OF CIVIL ENGINEERING

The Department of Civil Engineering offers BE, ME and the Ph.D. programs. The Department has faculties from diverse streams and specializations, with state-of-the-art laboratory facilities to boot.

From:

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