



Golden Jubilee Celebration
SEC-2012



STRUCTURAL ENGINEERING CONVENTION-2012

(8th Biennial Conference)

19-21 December 2012



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Ahmedabad**



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ORGANIZED BY

**APPLIED MECHANICS DEPARTMENT
S. V. NATIONAL INSTITUTE OF TECHNOLOGY,
Surat 395 007, Gujarat, India
Website : www.svnit.ac.in
E-mail : sec.svnit@gmail.com**

ORGANIZING COMMITTEE

CHIEF PATRON : Dr P D Porey, Director, SVNIT, Surat
PATRON : Shri H A Parmar, Registrar, SVNIT, Surat
CHIEF ADVISOR : Prof S N Desai, Head, AMD, SVNIT, Surat
CONVENER : Dr H S Patil, AMD, SVNIT, Surat
CO-CONVENER(s) : Dr C D Modhera, AMD & Dr A K Desai, AMD
ORGANIZING SECRETARIES : Dr S A Vasanwala, AMD & Dr C H Solanki, AMD
JOINT ORGANIZING SECRETARIES: Dr Y D Patil, AMD & Dr G R Vesmawala, AMD

INVITATION TO SEC - 2012



we, the thinkers, the professionals and the academicians, love to get immersed in respective works, with so much dedication, that we always crush our enjoyment plans. An outing with the family is always seen as a shopping spree by our spouses.



We always feel that the campus is exclusively reserved for the teenagers and budding engineers to rejoice.

Of course, we do love writing, whether it is on the black board or a white paper. We make it a sheer habit to study and research, train and learn. Only thing we are guilty of, is not moving out of our cocoon so frequently, to share our ideas, experiences and painstakingly found results. We are a bit reluctant to move out because we are not sure of the ambience, treatment, comfort and care we are going to be provided at the meeting place.



If we say that, at SVNIT Surat, we not only attract young technically oriented minds, but all the hues of mankind for a “green walk” in our campus, complete with flowers, peacocks and plenty of fresh air, why not join us for a couple of days more? In return, what we will offer? State-of-art presentation halls, richly furnished ac rooms, ever enthusiastic student volunteers at your beck and call, and tempting colourful mouth watering dishes to choose from! Although inviting and pampering our guests, is our habit, confirmed through the long history of successful organization of a good number of national and international seminars and conferences, we will offer extra care and matching “food for thought” to our delegates of SEC-2012 (Structural Engineering Convention- 2012). When it comes to technical expertise, the highly accomplished faculty members of Applied Mechanics Department of SVNIT, have a backing of over a cumulative experience of over 300 teaching years, more than 200 published papers, over 40 research candidates and organizing more than six national level conferences, in addition to conducting around 40 assorted training programmes. A dedicated team of 20 faculty members are the guiding force for the two post graduate programmes in structural and geotechnical engineering. The additional involvement in the

technical testing and consultancy of the department faculty gives a practical insight to the students of Applied Mechanics Department.

LOOKING BACK WITH CONTENTMENT

Structural Engineering Convention 2012 (SEC-2012), will be a grand get-together for the eighth time in its successful history, where think tanks, structural engineers, field practitioners, industrial representatives, builders and organizers, from all the parts of Indian soil, will congregate and contribute to add to the prestige of structural engineering in a global way. SEC has a rich legacy. Its first ever convention during 12-14 February, 1997 at IIT Madras, was the result of pioneering efforts made by SERC Chennai and IIT Madras. Subsequently, it created a pan India culture of structural engineering brotherhood through its successive efforts at : IIT Bombay (5-8 Jan. 2000), IIT Roorkee (29-31 Oct. 2001), IIT Kharagpur (12-14 Dec. 2003), IISc Bengaluru (14-16 Dec 2005), SERC Chennai (18-20 Dec. 2008) and Annamalai University, Chidambaram (8-10 Dec. 2010).

ABOUT THE INSTITUTE

SEC-2012, to be organized by the Applied Mechanics Department at SVNIT Surat, will add to the glory and prestige to this rich tradition, when it will be the prime event during 19-21 Dec. 2012. SEC -2012 will attract over 200 delegates with more than 100 technical paper presentations. The Key-note addresses from eminent structural engineers will be the highlight of each day of the convention. SVNIT Surat had its beginning in 1961 with an intake of 90 students belonging to three core branches. Today, it has grown into a giant entity, having three thousand strong force of under-graduate students spread over seven disciplines, around seven hundred post graduate learners in fifteen different specializations, while a strong group of 300 research students are pouring in day & night efforts to secure the award of doctorate degree.



ABOUT SURAT

If you are enticed by the campus details, the city of Surat once visited, will always leave you with the feeling, “Yeh dil maange more!”. Surat silk, Surat diamonds and surati pharsaan will cast a spell on you. Even the ubiquitous Vinod Dua of 'NDTV Jaika India ka' fame, succumbed to the charm of “lasanio locho” of Surat. Whosoever has enjoyed the food in Surat, has always visited it once more to savour the taste buds again!



To reach to Surat by any mode of transport is convenient. By air it is connected to Delhi. Surat is situated almost midway between two metros of Mumbai (261 km) and Ahmedabad (221 km). An express train takes you to Surat from these railway stations within four hours. If you would like to drive down to Surat within five hours of stepping in the luxury of your car, you will enjoy the six lane highway drive. Once you reach Surat, the SVNIT campus is only 7 km from the airport, or 10 km from railway station. Our volunteers with mobile phones will help you reach your destination with utmost ease.

ADDRESS FOR CORRESPONDENCE

Organizing Secretary (SEC -2012)

Dr C H Solanki

Associate Professor & In-charge PG (SMFE)

Applied Mechanics Department

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Joint Organizing Secretary (SEC- 2012)

Dr G R Vesmawala

Assistant Professor

Applied Mechanics Department

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TOPICS

- Cable and Tension Structures
- Case Studies on Structural Failures
- Computational Structural Mechanics
- Computer Aided Design
- Concrete and Masonry Structures
- Construction Technology and Methods
- Design for Blast and Impact Resistant Structures
- Design for Earthquake Resistant Structures
- Design for Fire Resistant Structures
- Design for Wind and Storm Resistance Structures
- Design of Thin-Walled Sections
- Durability and Long Term Performance of Structures
- Finite Element Modelling
- FRP Applications in Construction
- Full Scale Testing of Structures
- Innovative Solutions in Design and Construction
- Lightweight Structures
- Nonlinear Dynamic Modelling
- Plasticity and Nonlinear Material Modelling
- Plate, Shell and Space Structures
- Repair, Strengthening and rehabilitation on Structures
- Smart Materials and Structures
- Soil Structure Interaction
- Steel and Aluminum Structures
- Steel-Concrete Composite Construction
- Structural Health Monitoring
- Structural Stability and Buckling Phenomena

IMPORTANT DATES

Prospective authors are hereby invited to submit an abstract related to the topics (not exceeding 300 words) in A4 format. The papers should not have been published earlier or presented in any other forum. We encourage submission of abstract related to the topics, in an electronic (MS word, editable) format.

Submission of Abstract	31 st March 2012
Notification of acceptance of abstract	30 th April 2012
Submission for full length manuscript	30 th June 2012
Notification of review, editorial comments & acceptance & revised papers	31 st August 2012

Kindly send your Abstract on E-mail : sec.svnit@gmail.com

REGISTRATION FEE

Registration fee particulars	Before 30 th Sept. 2012	After 30 th Sept. 2012
Delegates	₹ 4,000	₹ 5,000
Students participation (Including poster presentation)	₹ 2,000	₹ 2,500
Accompanying Spouse	₹ 1,500	₹ 2,000

* All foreign delegates will be contributing US \$ 300 towards registration fee.

*Registration fees include proceeding, gift kit, lunch and dinner during conference days. Accommodation charge will be extra.

All the delegates will be given assistance to get the desired accommodation. Subsidized accommodation in the SVNIT campus will be made available, on request, on first-cum-first served basis. For local hotel stay and local transport provided, we will be thankful, if you will arrange for the payment by yourself. Our student and faculty members will assist you free of cost, for all your needs, from your dignified entry to satisfied exit from SVNIT campus.

All remittances from the sponsors, advertises and delegated should be made by demand draft/ Cheque/ Banker's cheque in favour of "SEC-2012", payable at Surat and sent to Convener, SEC-2012, Applied Mechanics Department, SVNIT, Surat-395 007.

Name of the Account: "SEC-2012"

A/c No.: 00000031921840353

Bank: State Bank of India, SVRCET Branch, Surat- 395007

NIFT Code: SBIN 0003320

SPONSORS:

If you will find that you were treated with due comfort as promised, it would be because of our key sponsors and their huge generosity. If you are likely to be impressed with the shamiana, the food, the proceedings and the staying arrangements, we will acknowledge the same to M/s Ranjit Buildcon Ltd, Ahmedabad, M/s Vijay Mistry Construction (P) Ltd, Ahmedabad and M/s Rajkamal Builders. Infrastrucutres Pvt Ltd, Ahmedabad. There will be many more sponsors and well-wishers to join the list.

The sponsors will also showcase their progress through their presentations during the prime slots during the proceedings, display of banners at strategic locations and audio-visual narration of their signature projects from the exhibition stalls. We salute to all our would be sponsors, and well-wishers who will come forward and contribute by sponsoring souvenirs, gift kit, proceedings, cultural show and lunch/banquet dinner.

The proposed sponsorship categories are :

Diamond	₹ 5.0 lacs
Platinum	₹ 3.0 lacs
Gold	₹ 2.0 lacs
Banquet Dinner	₹ 1.0 lac
Lunch/dinner	₹ 50000
Exhibition stall/ unit	₹ 50000
Souvenir Advertisement	₹ 25000 for full page ₹ 10000/-for half page/complimentary message categories.

ORGANIZING COMMITTEE

All the learned and dedicated faculty members of Applied Mechanics Department, SVNIT, Surat

NATIONAL ADVISORY COMMITTEE

(Some prominent members)

- Dr. Prem Krishna, Retired Professor, IIT, Roorkee
- Dr. P.M.Godbole, Retired Professor, IIT, Roorkee
- Prof. Tarun Kant, Chair Professor, IIT, Bombay
- Dr. Nagesh Iyer, Director, SERC, Chennai
- Dr. S. Arunachalam, Director Level Scientist, SERC, Chennai
- Prof. Antony Jayasehar, Prof., Annamalai University, Annamalai nagar
- Prof. B.Bhattacharjee, Professor, IIT Delhi
- Prof. Ravande Kishore, Osmania University, Hyderabad
- Prof. Yogesh Desai, Professor, IIT Bombay
- Prof. Devdas Menon, Professor, IIT Madras
- Prof. S.C.patodi, Retired Professor, M.S.University, Baroda
- Prof. L.M.Jaiswal, Professor, VNIT, Nagpur
- Dr C.L.Patel, Charutar Vidya Mandal, Vallabh Vidyanagar



REGISTRATION FORM

STRUCTURAL ENGINEERING CONVENTION - 2012

December - 2012

Full Name: (In Block Letters): _____

Designation: _____

Educational Qualifications: _____

Institution/organization _____

Address: _____

I will attend as: Delegate/Author/Research Student/Sponsor

Accommodation Required : Yes / No

Phone No (M):. _____

E-mail: _____

DD/Cheque/Cash:Rs. _____ No. _____ Bank: _____

Date:

Signature of Applicant

Date:

Signature of the Head of the
Institution with Seal

