



# IAStructE

# news letter

*Newsletter of the Indian Association of Structural Engineers*

**July 2018 Issue**

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## IAStructE Secretariat

Indian Association of Structural Engineers

K-69A , Basement, Kalkaji,  
New Delhi 110019

Tel: (011) 45794829 ;

Email: [iastructe@gmail.com](mailto:iastructe@gmail.com)

Website: [www.iastructe.co.in](http://www.iastructe.co.in)

Facebook:

<https://www.facebook.com/IAStructE-1702347580065625/>

## Editorial Team:

Chief Editor : Ms. Anal Sheth

Members : Mr Alok Bhowmick

Mr Bhavin Shah

Mr Maulesh Shah

## About IAStructE

Indian Association of Structural Engineers (IAStructE) is the national apex body of structural engineers in India established with the objective to cater to the overall professional needs of structural engineers. The association has become the source of expertise and information concerning all issues that involve structural engineering and public safety within the built environment. It has no commercial aim or objective. IAStructE is purely a professional learned society with the prime objective of supporting and protecting the profession of structural engineering by upholding professional standards and acting as a mouthpiece for structural engineers. IAStructE endeavors to ensure that it's members develop the necessary skill in structural engineering and work to the highest standards by maintaining a commitment to professional ethics and standards within structural engineering. IAStructE strives for continued technical excellence; advancing safety and innovation across the built environment. It also strives to make available to the Government, Public Sector and Private Sector - a credible source of well qualified and experienced Structural Engineers. A nationwide database of Structural Engineers has been compiled and is being constantly updated. IAStructE undertakes a broad range of technical activities which are aimed at information sharing and capacity building. The association provides opportunity for all the members to develop various skills in structural engineering and helps members to be at the forefront of structural engineering practice. Towards achievement of its aims and objectives, IAStructE is engaged in organizing the following: CPD Courses for Professionals at all levels Refresher Courses for Fresh Graduate Engineers, Student's orientation program, Seminars/Workshops, Technical Lectures by Experts, Technical Discussions on Contentious Issues. IAStructE is currently operating from four regional centers. These regional centres located in the Eastern, Western, Northern and Southern parts of the country effectively cater to the professional needs of members residing/practicing all over the country.

## From the President's desk



Dear Friends,

I am pleased to inform you that IAStructE has successfully organized a number of events in different cities in India, the information of which is given in this Newsletter.

You are aware that IAStructE is organizing a Refresher Course on "Concrete Bridge Design Using - Code of Practice for Concrete Road Bridges (IRC 112)", starting from 18th August 2018, which will be concluded on 06 October 2018. It shall be held in New Delhi. Interested members should send their registration to the Secretariat at the earliest as the seats are limited.

IAStructE is also organizing an International Seminar on Earthquake / Wind Resilience in Buildings and Bridges with Vibration Control - Base Isolation and Dampers during 14-15 September 2018 at New Delhi. The Speakers from Japan, USA and other countries are invited to deliver the lectures on the latest technologies and trends in building earthquake resilience through vibration control. The members who have interested to participate should send their nomination to the Secretariat at the earliest. The information of both the events has also been uploaded on IAStructE website [www.iastructe.co.in](http://www.iastructe.co.in).

I am pleased to inform you that the July issue of Structural Engineering Digest (SED) is in under print and you will get the copy of the journal very soon. Meanwhile, I would once again request you to contribute articles, case studies & advertisement for the October issue.

You are requested to circulate the information of the upcoming events among your contacts & engineers friends who may be interested in attending these technical events. Your views, comments, and suggestions on various aspects of IAStructE are welcome.

Best Regards



Manoj Mittal

## Recent Activities

### Technical Lecture

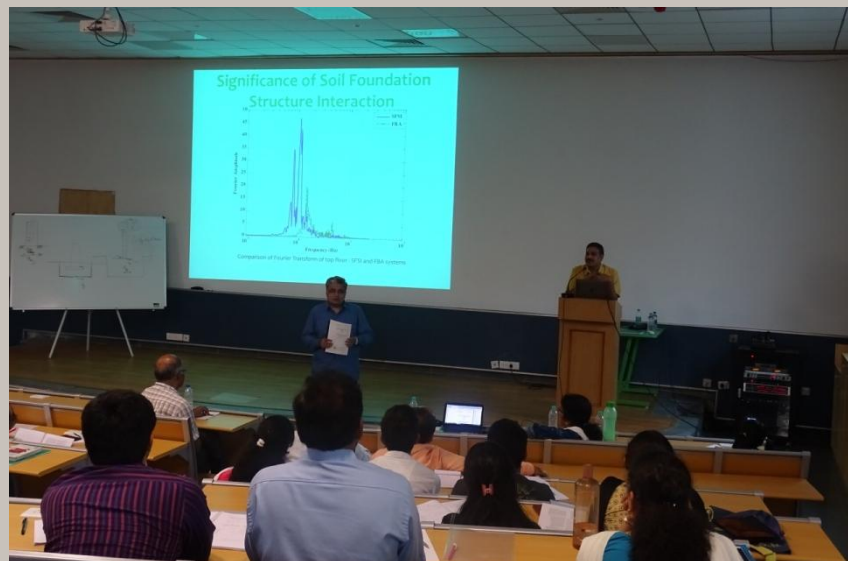
1. A Technical Lecture by Mr Pankaj Mehta, Managing Consultants, Accord Engineering Services on the topic "Structural Analysis Of Hyperboloid Shaped Roof" was organized on 26<sup>th</sup> July 2018 CDC, India Habitat Centre, Lodhi Road, New Delhi.

## One Day Workshop at Hyderabad

Earthquake Engineering Research Centre, IIIT Hyderabad in association with IAStructE has organised a one day workshop on "Impact of Revised Provisions of IS893(I) on Earthquake Resistant Design of Buildings" on 7th July 2018. Over 40 people attended the workshop. Dr. Rupen Goswami, IIT Madras, Dr. R. Pradeep Kumar, Professor Chairman Telangana State Centre IAStructE, and Prof. Sunitha P. of IIIT Hyderabad delivered lectures.

First lecture was on general introduction of code and salient features of new revision, delivered by Dr. Sunitha. Second and third lectures were delivered by Dr. Rupen, on irregularities and dynamic analysis, respectively. Fourth lecture was delivered by Dr. Pradeep, was on simplified procedure on liquefaction and SSI effects. Last lecture was discussion on proposed draft commentary by IAStructE.

Participants from industry, academia and government agencies participated actively with all the speakers throughout the workshop.



## One Day Workshop at Chandigarh

The one day workshop on "Planning, Design and Construction of Elevated Grade Separator between Chandigarh & Kharar" was organized by the Indian Association of Structural Engineers (IAStructE) in association with Civil Engineers Academy & Research Centre (CEA&RC) on 28<sup>th</sup> July 2018 at Chandigarh. It was attended by more than 90 participants from various organizations. The workshop was very well appreciated by all the participants. The visit to project site was also organized after the event. Lectures were delivered by the following eminent speakers.

1. Mr. Alok Bhowmick, Honorary Secretary, IAStructE and Managing Director, B&S Engineering Consultants Pvt. Ltd.
2. Mr. Inderjit Ghai, Chairman, CEA&RC, Panchkula
3. Mr. Sanjay Kumar Jain, CEO, B&S Engineering Consultants Pvt. Ltd., Noida
4. Mr. T.B. Singh, DGM Construction Cum Project Manager, L&T-Construction-TIIC
5. Mr. V.K. Sawal, CE (RETD.) Haryana, PWD B&R

### Some Glimpses of the event







### Evening Seminar at New Delhi

The Seminar on Evolving Trends in Seismic Design of Post Installed Connections in Concrete to ensure Safety under Seismic Conditions was organised by Hilti India Pvt Ltd with the support of Indian Association of Structural Engineers (IAStructE) on 27th July 2018 at New Delhi. It was attended by more than 150 participants. Lectures were delivered by the following speakers:

1. Mr. Vinay Gupta, GC member IAStructE
2. Ms. Sangeeta Wij Vice President (N) IAStructE
3. Mr Amol Singh, Hilti India Pvt Ltd



## Forthcoming event

### Refresher Course

Refresher Course on "**Concrete Bridge Design Using Code of Practice for Concrete Road Bridges (IRC 112)**" is starting from 18th August 2018, which will be concluded on 06 October 2018. The lectures will be held on every Saturday morning from 9.00 AM to 01.15 PM. Each lecture will be of 2 hours. The venue shall be PHD Chamber of Commerce & Industry, PHD House, 4/2 Siri Institutional Area, August Kranti Marg, New Delhi. Course participation fee shall be Rs.10,000/- for non-members and Rs. 7,500/- for IAStructE/IRC members. In view of limited seats (maximum 80 seats) in the course you are advised to send your confirmation at the earliest possible. For further details and enquiry and for your registration, you may like to contact the IAStructE Secretariat, Tel: 011-45794829, Email: [iastructe@gmail.com](mailto:iastructe@gmail.com)

### International Seminar

International Seminar on Earthquake / Wind Resilience in Buildings and Bridges with Vibration Control – Base Isolation and Dampers is scheduled to be held on 14-15 September 2018 at Civil Services Officers' Institute (CSOI), Vinay Marg, Chanakyapuri, New Delhi 110021. International experts from Japan and USA have already confirmed their participation. Also Indian experts who are familiar with the subject will also be invited to share their experience. These experts will shed light on the latest technologies and trends in building earthquake resilience through vibration control. and to deliver the lectures on the following topics:

- i) Global Trends in Vibration Control - Recent earthquakes and next concept for earthquake design including Case Studies
- ii) Performance of Buildings with and without Vibration Controlled Devices during major Earthquakes including Case Studies.
- iii) Quantifying Resilience in Buildings & Bridges as per FEMA &REDi
- iv) Performance of Bridges in major earthquakes with and without vibration control devices during major Earthquakes/ wind events including Case Studies
- v) Formulation of Indian Code on Vibration Control--Emulation and Value Addition

Interested professional may contact IAStructE Secretariat ([iastructe@gmail.com](mailto:iastructe@gmail.com)) for further details or visit [www.iastructe.co.in](http://www.iastructe.co.in) for downloading the brochure. Registration fee shall be Rs. 8000/- for IAStructE members, Rs 5000/- for Students and Rs.10,000/- for non-members. Group discount of 10% shall be available in case there are more than 3 number of participants from the same organisation.

## Structural Engineering Digest

The technical articles, research reports, project report, case studies etc. on a topic of relevant to Structural Engineering are invited for October issues of Structural Engineering Digest (SED). The article, along with the photograph and brief resume of the Author may be sent to the Secretariat at [iastructe@gmail.com](mailto:iastructe@gmail.com) latest by 30<sup>th</sup> August 2018.

## IAStructE Membership benefits

Membership of IAStructE is a sought after professional accreditation. Your membership of IAStructE can help you enhance your intellectual, academic, technical and professional status. It provides inter connectivity to the fellow professionals and the fraternity. Some of the benefits of membership is provided below:

Complimentary magazine subscription: All members (except Student Members) receive a complimentary subscription to the Institution's flagship publication 'STRUCTURAL ENGINEERING DIGEST' (SED). Published quarterly, each issue allows members to remain connected to the association through the provision of technical papers, Industry and Institution News, Featured articles, Professional Guidance on everyday matters affecting the practicing structural engineers. [To be relaunched soon]

- Access to all Technical Lectures, organized every month, at no charge
- Access to Technical Discussions held regularly
- Access to the association's library (Including e-library)
- Discounts in attending Seminars and Workshops organized by the association
- Full on-line access to the current volume and entire e-archive of journal "Structural Engineering Digest (SED)", Refresher Course Materials, Technical Lectures E-Newsletters and other Technical Resources of the Association.
- Opportunity to network with professional structural engineers of eminence and to meet potential employers in the association.
- Opportunities for professional development

For membership information contact Indian Association of Structural Engineers Secretariat.

### Call for advertisements

Advertisement sponsorship for the IAStructE Newsletter is invited.

For advertisement opportunities, please contact the IAStructE Secretariat.

### Call For Technical Article(s)

Selected technical article(s) will be published henceforth in the IAStructE Newsletter. High quality technical articles, project reports, research work and case studies are invited for the purpose of knowledge sharing among structural engineering fraternity.