



# IAStructE

# news letter

*Newsletter of the Indian Association of Structural Engineers*

**September 2018 Issue**

## In This Issue

- From the President's Desk
- Recent Activities
- Ongoing event
- New IAStructE members
- Structural Engineering Digest
- Call for advertisements
- Call for technical articles
- About IAStructE
- IAStructE membership benefits

## 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)

Face book:

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

## Editorial Team:

Chief Editor : Ms. Anal Sheth

Members : Mr. Alok Bhowmick

Mr. Bhavin Shah

Mr. Maulesh Shah

## From the President's desk



Dear Friends,

I am happy to inform you that IAStructE successfully organized a International Seminar on "Earthquake / Wind Resilience in Buildings & Bridges with Vibration Control – Base Isolation and Damping Devices during 14<sup>th</sup> & 15<sup>th</sup> September 2018 at New Delhi.

The seminar was attended by 180 delegates from various parts of the country as well as some from abroad. The eminent speakers from Japan, USA, Germany, Malaysia, Canada and India made presentations on the latest technologies related to various isolation and damping devices for earthquake and wind. An exhibition was also organized for displaying the equipments based on these technologies. The seminar was appreciated by all the participants.

You are also aware that the Refresher Course on "Concrete Bridge Design Using – Code of Practice for Concrete Road Bridges (IRC 112)", which was launched on 18th August 2018 is going well and will be concluded on 06 October 2018.

I am pleased to inform you that the July-September issue of the Structural Engineering Digest (SED) has been released during the International Seminar. The secretariat is now in the process of sending the printed copy of the SED to the members. I hope you may find the articles printed in the SED useful.

I would request you to contribute articles, case studies, project report and advertisement for publishing in the forthcoming issues of the SED.

Your views, comments, and suggestions on various aspects of IAStructE are welcome.

Best Regards

  
Manoj Mittal

## Recent Activities

### **International Seminar on “Earthquake / Wind Resilience in Buildings and Bridges with Vibration Control – Base Isolation and Damping Devices”, 14-15 September 2018 at New Delhi.**

**A.** The Indian Association of Structural Engineers (IAStructE) organized two day International Seminar on “Earthquake / Wind Resilience in Buildings and Bridges with Vibration Control – Base Isolation and Damping Devices”, during 14-15 September 2018 at New Delhi. The seminar was inaugurated by the Chief Guest Dr. A. S. Arya, Professor Emeritus of Earthquake Engineering, I.I.T. Roorkee and Former National Seismic Advisor, Govt. of India and Shri Mahendra Raj, Founder President IAStructE. It was attended by 160 delegates from various parts of the country and overseas. An exhibition was also organized at the venue for displaying an equipment's based on the technologies discussed during the seminar. The seminar was started with the Inaugural Session, followed by the six technical sessions along with the Panel discussion. The technical sessions were chaired by Mr Vipul Ahuja, Dr Or Tan Teng, Mr S C Mehrotra, Dr Vasant Matsagar, Mr Peter Huber and Mr Ratish Jain, respectively. Seminar Concluded with a panel discussion which was moderated by Sh. Manoj Mittal .

The presentations were made by the following eminent speakers invited from overseas and India, which were appreciated by all the participants.

- Dr. Akira Wada, Professor Emeritus, Earthquake Engineering Specialist, Tokyo Institute of Technology, Japan
- Prof Mahesh Tandon, Managing Director, Tandon Consultants Pvt Ltd, New Delhi, India
- Dr. Yoshikazu Takahashi, Professor, Structural Engg., Civil & Earth Resources Engg. Department, Kyoto University, Japan
- Dr. Taiki Saito, Professor and Director Centre Collaborative Area Risk Management, Toyohashi University of Technology, Japan
- Dr. Anoop Mokha, Vice President, Earthquake Protection Systems, Inc., California, USA
- Mr. Vipul Ahuja, CEO/Director, Ahuja Consultants Pvt. Ltd., New Delhi, India
- Dr. Yogendra Singh, Professor, Railway Bridge Chair, and Head, Earthquake Engg., IIT Roorkee, India
- Dr. Or Tan Teng, Director, Doshin Rubber Products (M) SDN BHD, Malaysia
- Mr. Peter Huber, Head of Business Development, MAURER SE, Germany
- Mr. Oscar Galindo, Buildings Solutions Manager at Quaketek Inc., Canada

The speakers delivered their lectures on the following topics:

- Indian Perspective On Vibration Control in buildings and bridges in India from the view point of Code development
- Global Trends in Vibration Control - Recent earthquakes and next concept for earthquake design
- Performance of Buildings with and without Vibration Controlled Devices during major Earthquakes
- Performance of Bridges in major earthquakes with and without Vibration Control devices during major Earthquakes/ wind events
- Applications of Vibration Control in the Indian Landscape and need for important provisions for future codes

- Applications of natural rubber product for seismic isolation of civil engineering structures
- Quantifying Resilience in Buildings & Bridges as per FEMA & REDI
- Consideration of Local Site Effects and Site Specific Earthquake Design Parameters for Base Isolated Buildings.
- Design, application and Testing of Base Isolation, Cable Dampers, Tuned Mass Dampers and other Anti-seismic Devices as per Eurocode EN15129
- New provisions of ASCE 07-2016 relevant to Vibration Control

### SOME GLIMPSES OF THE EVENT



(L to R): Mr Alok Bhowmick, Mr Manoj Mittal, Dr A S Arya, Mr Mahendra Raj, Mr Vinay Gupta





(L to R): Prof Mahesh Tandon, Dr Akira Wada, Mr Vipul Ahuja, Prof Taiki Saito, Mr Oscar Galindo



(L to R): Mr Vipul Ahuja, Dr Or Tan Teng, Prof Yoshikazu Takahashi



(L to R): Dr Or Tan Teng, Mr S C Mehrotra, Dr Anoop Mokha, Dr Yogendra Singh



*Dr Vasant Matsagar*



*Mr Peter Huber*



*(L to R): Dr Anoop Mokha, Mr Ratish Jain, Prof Taiki Saito*



*Panel discussion in progress*





*View of audience*



*View of exhibition*

## B. Release of Structural Engineering Digest

The Structural Engineering Digest (SED) an official publication of IAStructE was released on the occasion of International Seminar. Dr. S Chatterjee Chief Editor SED was also present on this occasion.



(L to R): Mr Alok Bhowmick, Mr Manoj Mittal, Dr A S Arya, Mr Mahendra Raj, Mr Vinay Gupta

## C. Ceremonial signing of MoU with JSSI and SEAONC

On the occasion of this Seminar two MoU one with Japan Society of Seismic Isolation (JSSI) and the other with Structural Engineers Association of Northern California (SEAONC) were signed. MOUs were signed by Mr. Manoj Mittal from IAStructE & Prof Akira Wada from JSSI & Dr. Anoop Mokha from SEAONC



(L to R): Mr Alok Bhowmick, Mr Manoj Mittal, Dr Akira Wada, Mr Vipul Ahuja



(L to R): Mr Alok Bhowmick, Mr Manoj Mittal, Dr Anoop Mokha, Mr Vipul Ahuja



## Ongoing Event

### Refresher Course

Refresher Course on "**Concrete Bridge Design Using Code of Practice for Concrete Road Bridges (IRC 112)**" has been launched on 18th August 2018 at PHD Chamber of Commerce & Industry, PHD House, 4/2 Siri Institutional Area, August Kranti Marg, New Delhi. The course will continue till 06 October 2018. The lectures are being held on every Saturday morning from 9.00 AM to 01.15 PM. Prof Mahesh Tandon is the Course Coordinator. 60 delegates have registered for participating in the course. Till now the following speakers have made their presentations:

- Prof. Mahesh Tandon - MD, Tandon Consultants Pvt. Ltd.
- Mr T Viswanathan, Structural Consultant
- Mr Alok Bhowmick, MD, B&S Engg. Consultants Pvt. Ltd.
- Mr Harpreet Singh, Sr. Project Manager, B&S Engg. Consultants Pvt Ltd
- Dr Ajoy Mullick, Concrete Technologist
- Mr J S Pahuja, Sr. Principal Consultant, Tandon Consultants Pvt. Ltd.
- Mr Aditya Sharma, Director, Ramboll India Pvt Ltd
- Mr Navneet Gupta, Principal Consultant, Tandon Consultants Pvt Ltd



## New IAStructE Members

### FELLOW" Grade Members

M/S No	Name	Designation, Organization	City
F-433	Dr Aroumougame A. P.	Assistant Engineer, Project Implementation Agency	Pondicherry
F-434	Mr. Venkateshwarlu Balla	Head(Indian Side) & DPM (civil & Track group), Japan International Consultants for Transportation	Gurgaon
F-435	Mr Anurag Sinha	General Manager, Engineers India Ltd	Gurgaon
F-436	Mr Sushil Kumar Bajaj	Co Founder & Associate, Artech Consultants'.	Faridabad



**"MEMBER" Grade Members**

M/S No	Name	Designation, Organization	City
M-260	Mr Dharamkumar R. Bhagat,	Managing Director, Bhagat & Associates	Surat
M-261	Mr Kulvinder Singh	Sr. Design Engineer, BMSF Design Consultants Pvt Ltd	Gurgaon
M-262	Dr Priyanka Singh	Assistant Professor, Civil Engg Dept., Galgotia University	Noida
M-263	Mr Anuj Kumar Chauhan	Sr. Design Engineer, Vintech Consultants	New Delhi
M-264	Mr Rushikesh S. Trivedi	Structural Engineer, Fluor Daniel India Pvt Ltd	Gurgaon

**"ASSOCIATE MEMBER" Grade Members**

M/S No	Name	Designation, Organization	City
AM-259	Mr Sushobhan Dey	Design Engineer, BMSF Design Consultants Pvt Ltd	New Delhi
AM-260	Mr Mahesh Sharma	Design Engineer, BMSF Design Consultants Pvt Ltd	New Delhi
AM-261	Mr Alok Rathore	Engineer, CAD Centre Training Services Pvt Ltd	New Delhi
AM-262	Ms Varsha Virde	Design Engineer, Virde & Associates	Indore
AM-263	Mr Pradeep P. B.	Engineering Manager, L&T	Chennai
AM-264	Raja Vardhan Reddy Boddu	Structural Design Engineer, Genesis Planners Pvt Ltd	Hyderabad
AM-265	Mr Dushyent Kumar	Director, Renascent Consultants Pvt Ltd	New Delhi
AM-266	Mr Amal John	Structural Engineer, S&R Consultants	Kochi
AM-267	Mr Daril John Prasad	Structural Engineer, S&R Consultants	Kochi

## Structural Engineering Digest

The technical articles, research reports, project report, case studies etc. on a topic of relevant to Structural Engineering are invited for future issues of Structural Engineering Digest (SED). The article, along with the photograph (JPEG) and brief resume of the Author may be sent to the Secretariat at [iastructe@gmail.com](mailto:iastructe@gmail.com).

### 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.

## 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 its 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 centers 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.

## 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. [Released]

- 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.