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## IAStructE Secretariat

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## From the President's desk



Dear Members,

I Hope you must have received the election notice from election officer Mr. B R Jain along with nomination form for the election of governing council for the term 2019-21. Interested eligible members who wish to contest election are requested to send filled in nomination form as per schedule given in election notice. In case you have not

received the nomination form please contact the IAStructE secretariat.

I am pleased to inform you that the first issue of Structural Engineering Digest (SED) printed version was very well appreciated by the readers. Second issue of SED is under print and shall be sent to you in the second week of January 2019. I once again request you to contribute articles, case studies & advertisement for the next issues and send your feedback to further improve the contents and quality of the SED.

This newsletter contains reports of various technical events organized at Delhi, Ahmadabad and Hyderabad. You shall be happy to know that many exciting technical events are planned for 2019. Details of these shall be sent to you shortly.

I wish you and your family a very Happy & Prosperous New Year 2019.

Best Regards

Manoj Mittal

## Recent Activities

### Technical Lecture

A Technical Lecture by Mr. Sourabh Sharma, Associate Director-Ports & Marine and Mr Amrit Kumar, Associate – Geotechnical, AECOM India Pvt Ltd on the topic "Pile Foundations- Design Concepts and Standard Practices for Jetty Structures Case Study : IWT Terminal at Varanasi" was organized on 27<sup>th</sup> December 2018 at New Delhi.

### **Series of Seminar organized by IAStructE (Gujarat State Center) at Ahmedabad**

A series of seminar sessions were organised by the IAStructE(Gujarat State Center) from 7<sup>th</sup> to 9<sup>th</sup> December 2018 at CEPT University, Ahmedabad. A total of 132 participants that included students, professionals and academicians had registered for various sessions.

On 7<sup>th</sup> December 2018 the presentations were held on advanced earthquake analysis techniques such as microzonation, site specific project investigation, fragility analysis and push over analysis. These sessions were organized with the kind involvement of the Institute of Seismological Research, Gandhinagar. The speakers for the sessions were Dr. Kapil Mohan of ISR and Dr. Dhara Shah from CEPT University.

On the second day, 8<sup>th</sup> December 2018 the participants witnessed the session on the case of bridge design of a cable stayed bridge, which was supported by the Roads and Buildings Department of Gujarat. The speaker for the session was Mr. Jitendra Patel from R&B, Gujarat. Subsequently, a session on the construction project management and risk analysis of metro rail was organized, which was presented by Dr. Debasis Sarkar from Pandit Deendayal Petroleum University, Gandhinagar.

On the 9<sup>th</sup> December 2018, two semi interactive sessions on integrated practices between architects, structural engineers and construction professionals were discussed with historical to present day cases of good and poor practices, similar and different perspectives of professionals and their effect on the built entity. These were presented by Prof. V R Shah and Dr. Bhargav Dave.

### **International Symposium on USMCA 2018 at Hyderabad**

17<sup>th</sup> International Symposium on New Technologies for Urban Safety of Mega Cities in Asia (USMCA 2018) was jointly organized by IIIT Hyderabad and The University of Tokyo, Japan in association with IAStructE, NDMA, NAC, TSFire Dept and Hyderabad Metro Rail during 12-14 December 2018 at Hyderabad.

United Nations International Strategy for Disaster Reduction (UNISDR) summarized a report that the global economic loss caused by natural disasters in the last 20 years (1998-2017) amount to 2,090 billion dollars. It increased 2.2 times over the previous 20 years. It is highly likely that abnormal weather will continue due to global warming and other negative impacts on the economy. According to the report, the number of major natural disasters occurred was 7,255, disasters caused by weather accounted for 91% of the all. Especially floods and storms were frequent "two major disasters". The number of deaths were reported as 1.3 million, of which 56% was caused by the earthquake including the tsunami.

Environmental disasters and Urban safety management are challenges for any country in the world today. Scientists, researchers, academics and politicians from universities, institutions, governments and societies are working together to find new solutions to these global issues. Recognizing the importance, International Institute of Information Technology, Hyderabad and International Center for Urban Safety Engineering (ICUS), Institute of Industrial Science (IIS), the University of Tokyo (UTokyo) are co-organizing "International Symposium on New Technologies for Urban Safety of Mega Cities in Asia (USMCA)" during December 12-14, 2018 in Hyderabad, India. The USMCA has been held for 16 times in different cities in Asia and this is the 17<sup>th</sup> edition of USMCA held in at IIIT Hyderabad.

The symposium has brought together decision makers, practitioners and researchers involved in the field of urban safety to share their expertise. It also provided an environment to reinforce collaborative networks among experts in the fields relevant to urban safety. The symposium has focussed on urban safety and disaster mitigation, infrastructure management, and environment informatics.

In summary, The 17th edition of USMCA included the following;

- 4 keynote lectures on urban safety issues (including lectures by Tokyo metro rail project officials)
- 8 invited lectures by national & international speakers
- 60 paper presentations & 7 poster presentations
- Exhibition of new products related to disaster safety
- Technical tour to NGRI and largest metro rail casting yard in India (on 14 Dec)



Professor Kimiro Meguro, Director, International Centre for Urban Safety (ICUS), the University of Tokyo gave the inaugural address and Shri Gopi Krishna, IPS, Director General of Telangana Fire & Emergency Services Department gave valedictory address. Shri, N.V.S Reddy, MD, Hyderabad Metro Rail gave special lecture. Also, Prof. Abe from Tokyo Metro Rail Corporation gave keynote lecture. Total 120 participants which include over 60 people from Asian countries attended the conference. Dr. R. Pradeep Kumar, Professor IIIT Hyderabad and Chairman Telangana State Centre IAStructE was the Chairman, USMCA 2018.

## IAStructE Registration under GST

Indian Association of Structural Engineers has recently registered under the GST. The GSTIN of IAStructE is 07AAATI3885P1ZZ. IAStructE address registered with GST is K-69A, Basement, Kalkaji, New Delhi 110019 and the state code is 07. We would therefore request you all to please add 18% GST while sending the annual subscription and other fees to IAStructE. Henceforth the membership fees including GST are :

➤ Processing Fee	<b>Rs 885/-</b> (Rs. 750/- + Rs 135/- as GST)
➤ Processing Fee for Student	<b>Rs 118/-</b> (Rs. 100/- + Rs 18/- as GST)
➤ Admission Fee	<b>Rs 885/-</b> (Rs. 750/- + Rs 135/- as GST)
➤ Transfer Fee	<b>Rs 885/-</b> (Rs. 750/- + Rs 135/- as GST)
➤ <b>Annual Subscription for various Grades of Membership</b>	
<b>Fellow</b> Grade	<b>Rs. 1,770/-</b> (Rs 1500/- + Rs 270/- as GST)
<b>Member</b> Grade	<b>Rs. 1416/-</b> (Rs 1200/- + Rs 216/- as GST)
<b>Associate Member</b> Grade	<b>Rs. 885/-</b> (Rs. 750/- + Rs 135/- as GST)
<b>Student Member</b> Grade	<b>NIL</b>

## New IAStructE Members

### FELLOW" Grade Members

M/S No	Name	Designation, Organization	City
F-441	Dr Sekhar Chandra Dutta	Professor, Civil Engg. Dept., IIT(ISM)	Dhanbad
F-442	Mr Kalpesh M. Shah	Structural Consultant	Banswara (Rajasthan)
F-443	Mr Pankaj P. Mehendale	Partner & Chief Structural Consultant, Mape Connoisseurs	Hyderabad

### "MEMBER" Grade Members

M/S No	Name	Designation, Organization	City
M-265	Dr Hemant Kumar Vinayak	Assistant Professor, National Institute of Technology, Hamirpur	Hamirpur (HP)
M-266	Mr Kamala Raju Yadala	Assistant Professor, Civil Engg, Gokaraju Rangaraju Institute of Engg. & Tech	Hyderabad
M-267	Mr K. Rengaraj	Project Engineer, Navaneetha Property Developers	Trichy (TN)

### "ASSOCIATE MEMBER" Grade Members

M/S No	Name	Designation, Organization	City
AM-268	Mr Panem Chandrakanth	Design Engineer, CE CON Engg Structural Consultancy	New Delhi
AM-269	Mr Vamsi Krishna Mallisetty	Engg. Manager (Civil) , Larsen & Toubro Construction	Guntur (AP)
AM-270	Mr Mohd Umair Aziz Ansari	Design Engineer, Skeleton Consultants Pvt Ltd	Noida
AM-271	Mr Sajad Ahmad Bhat	Lecturer Civil Engg Dept., Lingaya's Vidyapeeth	Faridabad
AM-272	Mr Amit Kumar	Design Engineer, Skeleton Consultants Pvt Ltd	Noida
AM-273	Mr Sumit Kumar	Design Engineer, Skeleton Consultants Pvt Ltd	Noida

## Forthcoming Event

### Refresher Course at New Delhi

The Refresher Courses on "**Wind Induced Forces & Effects on Buildings & Structures**" will start from 02 February 2018 and will be concluded on 23<sup>rd</sup> March 2018. The lectures will be held on every Saturday morning from 09:00 AM to 01:15 PM (with 15 mins. tea break in between) at New Delhi. There will be an expert faculty for each lecture. Course participation fee shall be Rs. 7,500/- for IAStructE members, Rs.10,000/- for non-members and Rs 5000/- for Students. The GST @ 18% will be applicable on the registration fees. Group discount of 10% shall be available in case there are more than 3 numbers of participants from the same organization. The Flier and detailed lecture plan shall be issued shortly. Interested members may contact IAStructE Secretariat for registration.

## **IAStructE Gujarat State Center is planning to organize the following events in 2019**

**A)** Professional development workshops on the following topics are envisaged in Year 2019:

1. Design of tall buildings
2. Geotechnical Inputs for Structural Engineers
3. Design of Bridges
4. Computer aided analysis for structural engineers
5. National Building Code 2016

The details, resource persons and calendar of events for year 2019 will be shared shortly in the newsletter as well as the website.

### **B) Seminars**

A series of seminars on Megastructures of India is being organized at a frequency of one seminar per month in the year 2019. The following sessions have already been planned:

1. 26<sup>th</sup> January 2019: Project Kalpasar by Mr. Rajnikant Patel
2. 2<sup>nd</sup> February 2019: Project Mahatma Mandir by Prof. Reshma Shah

Interested participants can register at <https://goo.gl/forms/7KQBZaEvULoKEejD3>. For queries, please email [anal.iastructe@gmail.com](mailto:anal.iastructe@gmail.com)

Further seminars will be uploaded on same link and website as and when planned.

### **C) Student Competitions**

A national level student competition on computer based structural analysis is being jointly organized by IAStructE (Gujarat State Center), Bentley and the Faculty of Technology at CEPT University from 10<sup>th</sup> to 14<sup>th</sup> May 2019. Senior undergraduate students of civil engineering (final year) and post graduate students of structural engineering all over India are invited to participate virtually. Brochure with the link, competition problem and rules, submission requirements and awards will be shared in the February newsletter as well as the website.

## **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.