



Message from the President



Dear Members,

As we approach the end of the year 2020, it is time for us to take a moment to reflect on the year which we are happily saying "Good Bye" to. We would like to send a message of optimism and hope to you all. After the challenges and difficulties that the Covid-19 pandemic has brought to all of us, we think this is the perfect sentiment for bringing 2020 to a close and looking forward to 2021.

2020 has been uncommonly challenging in every aspect, and yet has proven to be an unparalleled opportunity for growth and resourcefulness. Among the various events organised in this past year, we would like to mention the following :

- Conducted 19 technical webinars in last 9 months
- Workshop of 15 lectures in virtual mode on the topic of Cable Stayed Bridges
- Refresher Course on "Application of New Seismic Code for Highway Bridges – IRC:SP:114-2018"
- 3 Panel Discussions on topics of professional importance to structural engineers
- 7 webinars organised by our students chapter in CEPT and DTU
- Brain-storming session on newly published IS:13920 code
- 2 monthly technical lectures organised in New Delhi

All this has been made possible despite the difficult and challenging circumstances due to pandemic, due to the dedication of the IAStructE members. We hope to organise many more such events and achieve many great endeavours next year as well. We would be delighted to implement new ideas to help the dissemination of knowledge and facilitate the working groups' activities. Please let us know if you have any suggestions.

We wish you and your loved ones good health and the very best for this holiday season and the coming year! Thank you for the trust you have placed in us this year and in the past, and please accept our best wishes for you and your family for the year ahead.

Season's Greetings and A Very Happy New Year 2021 ahead!

ALOK BHOWMICK

IAStructE Publication Committee	Newsletter Editorial Team
Chairman : Er. Manoj Mittal Members : Er. Alok Bhowmick Er. (Dr) S Chatterjee Er. (Dr) Abhay Gupta Er. A K Sharma Prof. R Pradeep Kumar Er. Rajiv Ahuja Er. Amandeep Garg Er. (Ms) Anal Sheth	Chief Editor : Er. (Ms) Anal Sheth Members : Er. Manoj Mittal Er. Bhavin Shah Er. Rajiv Ahuja Er. Maulesh Shah

Newsletter Contents

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Call for Papers for THEME based issues of SED Journal

SED Editorial Board invites article contributions for the forthcoming issues of the Structural Engineering Digest on the following Themes, which shall be published in E-Book Format. A GUEST EDITOR is associated with each theme issue. Details are as under:

October – December 2020 issue; Guest Editor- Sh. Manoj Mittal

Theme: Professional Issues confronting Structural Engineering

This issue is under processing and shall be published soon.

January – March 2021 issue; Guest Editor- Mr. Rajiv Ahuja

Theme: Bridge Foundations

- Sub themes:
- Deep Well and Pile Foundations for river bridges
 - Foundations for flyovers and underpasses
 - Seismic Analysis and Design of foundations
 - Open Foundations in Soft clays with ground improvement
 - Liquefaction affecting foundation design
 - Soil Foundation Interaction
 - Load Testing of foundations
 - Construction challenges in bridge foundations

The abstract along with the full paper may be sent by 15th January 2021.

April - June 2021 issue: Guest Editor-Dr K G Bhatia

Theme: Machine Foundation

The abstract along with your photograph and brief resume may be sent by 15th January 2021 and full paper by the end of February 2021.

Articles are invited from i) Members of IASE; ii) Specialists in the field even though they are not members of IASE.

Interested authors/ contributors may kindly mail to iastructe@gmail.com regarding i) Broad guidelines on areas of coverage; ii) size of the article; iii) format of paper submission; iv) the dates for submission of the abstract and Full paper.

As per the laid down procedures all the papers (except invited papers) shall be sent to the referee for review and the comments will be informed to the authors for incorporating the same. Papers shall be published after peer review & approval of SED editorial board.

Webinars Conducted

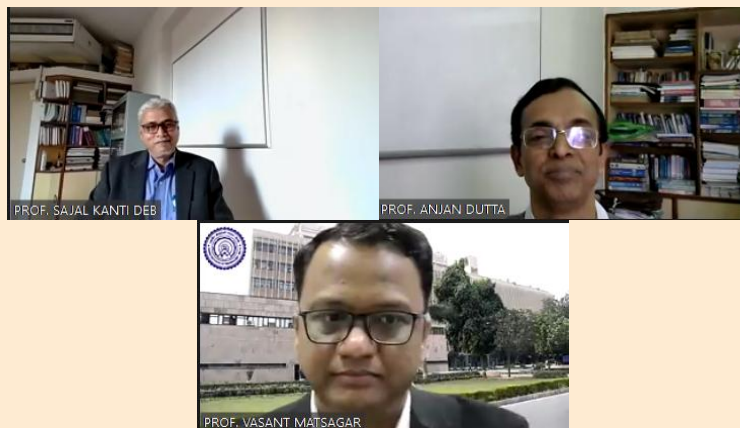
1. IAStructE in association with Windtech Consultants, Australia is organizing the Webinar series on "Wind Tunnel Testing Techniques".

The second Webinar in the series was organized on "Advanced Wind Tunnel Testing Techniques: Part 2 – Tall Buildings" on 19th December 2020 by Mr Tony Rofail. Er. Dr. Abhay Gupta, GC member IAStructE and Director, Skeleton Consultants Pvt Ltd was the Moderator.



2. IAStructE in association with ISET Roorkee organized a Webinar on the theme "Advanced Base Isolation Systems in Real-Life Projects in India" on 23rd December 2020 through zoom platform. Two sessions were organized on the following themes.

Session 1 : Fiber-Reinforced Elastomeric Isolation System - An Indigenous Invention for Safer Future between was organized from 11:00 AM to 01:30 PM. Prof. Sajal Kanti Deb, Professor (HAG) and Prof. Anjan Dutta, Professor (Civil Engg.) from IIT Guwahati were the speakers. This Session was moderated by Prof. Vasant Matsagar, Dogra Chair Professor, IIT Delhi



Session 2 : New Generation Sliding Base Isolation Systems for Improved Seismic Performance of Structures was organized from 03:00 PM to 05:30 PM. Prof. R. S. Jangid, Professor IIT Bombay and Prof. Vasant Matsagar, Dogra Chair Professor, IIT Delhi were the Speakers. This Session was moderated by Mr. Vipul Ahuja, Vice President (North) IAStructE and CEO, Ahuja Consultants Pvt. Ltd.



As you are aware that IAStructE is undertaking the task of preparing the professional documents and the commentary of various BIS and IRC codes, so that the practicing structural engineers can understand the code better and comply with the requirements of the code with confidence. Under this activity the IAStructE has published the following documents:

1. Commentary with Worked Examples for IRC:6-2017 : IAStructE is pleased to announce publication of Commentary with Worked Examples for IRC:6-2017, the IRC code for Loads & Load Combinations for design of Highway Bridges. The commentary and the Illustrative worked examples are printed in two separate volumes. Volume-1 of 2 pertains to the Commentary while Volume-2 of 2 pertains to Illustrative Worked Examples, which has 48 worked examples demonstrating application of various codal clauses.

The documents are now available for sale @ Rs 1200/- for Volume 1, and @ Rs 800/- for Volume II. Members of IAStructE and IRC will be entitled for a discount of 10% on this amount. Interested professionals who wish to purchase the commentary may kindly register with the following link or contact IAStructE Secretariat at iastructe@gmail.com:

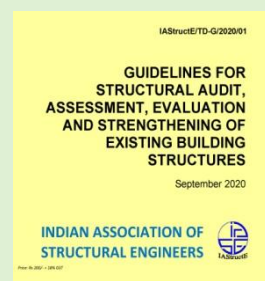
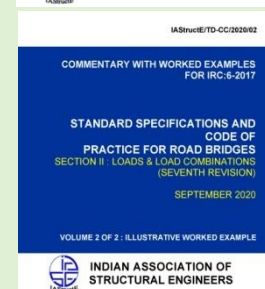
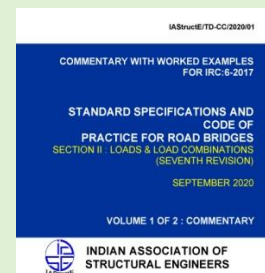
Registration link: <http://iastructe.co.in/new-iastructe-publication.php>.

2. Guidelines for Structural Audit, Assessment, Evaluation and Strengthening of Existing buildings Structures : IAStructE has published this document to guide structural engineers in proper assessment of building structures before issuing structural stability certificate. This guideline may be used by IAStructE members, all other structural engineers, house owners, housing society welfare associations, clients and corporation engineers for structural audit of the private and public building structures. The Guideline focuses on the urgent need to strengthen risk resilience of buildings from any kind of risks due to earthquake and other hazards. It is hoped that this document will be useful to ensure that all structures across the country remain safe from any kind of disaster risk. It's a priced document and hence not freely downloadable. However one can read the document by following the link. <http://www.iastructe.co.in/guidelines-for-structural-audit/>

The price of this e-document is Rs 200/-. Interested professionals who wish to obtain the soft version of the Guideline in pdf format, may register with the following link. Registration Link: <http://iastructe.co.in/guidelines-for-structural-audit.php>

3. Clause wise Commentary on IS: 13920 : This document has been finalised after wide ranging consultations & debate amongst civil & structural engineering fraternity. A workshop was also organised to discuss and debate various comments received from engineers. The Commentary has already been sent to the Bureau of Indian Standards for further action. The commentary is available on www.iastructe.co.in under IAStructE Professional Documents. IAStructE member can access this document after login.

4. Clause wise Commentary on IS: 1893 Part 1: This document has been finalized with the contribution of many members of the association. The Commentary has already been sent to the Bureau of Indian Standards for further action. The commentary is available on www.iastructe.co.in under IAStructE Professional Documents. IAStructE member can access this document after login.



Forthcoming Webinars

1. IAStructE is organizing a Webinar on **"Basics of Prestressing"** by Mr. Vinay Gupta, Director & CEO, M/s Tandon Consultants Pvt Ltd on 05 January 2021 from 04:00 PM to 06:30 PM through Zoom webinar.

Registration Link: https://us02web.zoom.us/webinar/register/WN_yxFEEByQRBU0gVur0-ZMQ

2. IAStructE in association with Windtech Consultants, Australia is organizing the Webinar series on "Wind Tunnel Testing Techniques". The third Webinar in the series is being organized on **"Advanced Wind Tunnel Testing Techniques: Part 3 – Long Span Roof Structures"** on **16th January 2021 from 11:00 AM to 01:00 PM**. The speaker is Dr. Nicholas Truong, Director, Windtech Consultants. Dr. Prem Krisna, Former Professor, IIT Roorkee will be the Moderator. Registration Link: <https://windtechconsult.com/advanced-wind-tunnel-testing-techniques-part-3-long-span-roof-structures/>

3. IAStructE in organizing a Webinar on the theme **"STRUCTURAL ENGINEERING FOR SUSTAINABLE DEVELOPMENT"** on **16th January 2021 from 04:00 PM to 06:30 PM** through Zoom webinar. This is going to be a unique webinar for IAStructE as it is an ALL-WOMEN webinar. The speakers include active and Governing Council members.

TOPICS OF COVERAGE:

1. **Mass Use of Precast Concrete Structural Elements : Prospects, Plant practices and Standardization** by **Dr. Anal Sheth**, Head - Research and Development at FUJI Silvertch Concrete Pvt. Ltd, Ahmedabad. The registration details shall be shared soon.

2. **Influence of Modelling Discontinuities in DAM and its Foundations** by **Dr. Shilpa Pal**, Associate Professor, Department of Civil Engineering, Delhi Technological University, Delhi

3. **Sustainable and Futuristic Concrete Technologies** by **Dr. T. Visalakshi**, Professor & Head, Department of Civil Engineering, Bennett University, Greater Noida

Registration link: https://us02web.zoom.us/webinar/register/WN_kaehPI8nThq4a-43LHC1aA

New IAStructE Members

FELLOW" Grade Members

M/S No	Name	Designation, Organization	City
F-470	Mr. Partha Pratim Banerjee	Technical Director / General Manager, M/s AYESA	Delhi

"MEMBER" Grade Members

M/S No	Name	Designation, Organization	City
M-290	Mr. Chandan Ghosh	Consulting Structural Engineer	Howrah (WB)
M-291	Mr. Akhilesh Kumar	Dy. Project Manager, B&S Engineering Consultants Pvt Ltd	Noida
M-292	Mr. Sachin Suryakant Belhekar	Project Manager, Arcadis India Pvt Ltd	Pune
M-293	Mr. Raja Vinodh K.	Proprietor & Consultant, Vinodh Engineers	Chennai
M-294	Dr. (Mrs) Dhara R. Shah,	Assistant Professor, CEPT university	Ahmedabad
M-295	Mr. Sachin Gupta	Lead Engineer, JACOBS	Dubai

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 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.

How to become a member ?

Membership form and details are available at <http://www.iastructe.co.in/membership-form.html> ; For membership information and other details contact the Indian Association of Structural Engineers Secretariat

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

Indian Association of Structural Engineers

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